The following changes will be made to Section 211.2.3.5, hlinkClick (Click Hyperlink):

Attributes	Description
id (Drawing Object Hyperlink Target) Namespace: ~~…/officeDocument /2006/relationshi ps~~ http://purl.oclc.org/ooxml/officeDocument/relationships	Specifies the relationship id that when looked up in this slides relationship file contains the target of this hyperlink. This attribute cannot be omitted. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 211.2.3.6, hlinkMouseOver (Mouse-Over Hyperlink):

Attributes	Description
id (Drawing Object Hyperlink Target) Namespace: ~~…/officeDocument /2006/relationshi ps~~ http://purl.oclc.org/ooxml/officeDocument/relationships	Specifies the relationship id that when looked up in this slides relationship file contains the target of this hyperlink. This attribute cannot be omitted. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.2.2.26, chart (Reference to Chart Part):

Attributes	Description
id (Relationship Reference) Namespace: ~~…/officeDocument /2006/relationshi ps~~ http://purl.oclc.org/ooxml/officeDocument/relationships	Specifies the relationship ID for the relationship for this Chart or Chart Drawing part. The type of relationship needed is specified by the parent element. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.2.2.30, clrMapOvr (Color Map Override):

Attributes	Description
accent1 (Accent 1) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the accent 1 color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
accent2 (Accent 2) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the accent 2 color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
accent3 (Accent 3) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the accent 3 color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
accent4 (Accent 4) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the accent 4 color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
accent5 (Accent 5) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the accent 5 color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
accent6 (Accent 6) Namespace:	Specifies a color defined which is associated as the accent 6 color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple

Attributes	Description
~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	type (§**Error! Reference source not found.**).
bg1 (Background 1) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	A color defined which is associated as the first background color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
bg2 (Background 2) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the second background color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
folHlink (Followed Hyperlink) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the color for a followed hyperlink. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
hlink (Hyperlink) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the color for a hyperlink. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).
tx1 (Text 1) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawing	Specifies a color defined which is associated as the first text color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).

Attributes	Description
ml/main	
tx2 (Text 2) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies a color defined which is associated as the second text color. The possible values for this attribute are defined by the ST_ColorSchemeIndex simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.2.2.63, externalData (External Data Relationship):

Attributes	Description
id (Relationship Reference) Namespace: ~~…/officeDocument/2006/relationships~~ http://purl.oclc.org/ooxml/officeDocument/relationships	Specifies the relationship ID for the relationship for this chart. The relationship explicitly targeted by this attribute shall be of type ~~http://schemas.openxmlformats.org/officeDocument/2006/relationships/package~~ http://purl.oclc.org/ooxml/officeDocument/relationships/package. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.2.2.197, spPr (Shape Properties):

Attributes	Description
bwMode (Black and White Mode) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies that the picture should be rendered using only black and white coloring. That is the coloring information for the picture should be converted to either black or white when rendering the picture. No gray is to be used in rendering this image, only stark black and stark white. [*Note*: This does not mean that the picture itself that is stored within the file is necessarily a black and white picture. This attribute instead sets the rendering mode that the picture has applied to when rendering. *end note*] The possible values for this attribute are defined by the ST_BlackWhiteMode simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.2.2.221, userShapes (Reference to Chart Drawing Part):

Attributes	Description
id (Relationship Reference) Namespace: …/officeDocument/2006/relationships http://purl.oclc.org/ooxml/officeDocument/relationships	Specifies the relationship ID for the relationship for this Chart or Chart Drawing part. The type of relationship needed is specified by the parent element. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

MISSING INSTRUCTION

This is the complete list of simple types in the ~~http://schemas.openxmlformats.org/drawingml/2006/chart~~ http://purl.oclc.org/ooxml/drawingml/chart namespace.

The following changes will be made to Section 21.3.2.2, blipFill (Picture Fill):

Attributes	Description
dpi (DPI Setting) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies the DPI (dots per inch) used to calculate the size of the blip. If not present or zero, the DPI in the blip is used. [*Note*: This attribute is primarily used to keep track of the picture quality within a document. There are different levels of quality needed for print than on-screen viewing and thus a need to track this information. *end note*] The possible values for this attribute are defined by the W3C XML Schema unsignedInt datatype.
rotWithShape (Rotate With Shape) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies that the fill should rotate with the shape. That is, when the shape that has been filled with a picture and the containing shape (say a rectangle) is transformed with a rotation then the fill is transformed with the same rotation. The possible values for this attribute are defined by the W3C XML Schema boolean datatype.

The following changes will be made to Section 21.3.2.6, cNvPicPr (Non-Visual Picture Drawing Properties):

Attributes	Description
preferRelativeResi	Specifies if the user interface should show the resizing of the picture based on the

Attributes	Description
ze (Relative Resize Preferred) Namespace: ~~.../drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	picture's current size or its original size. If this attribute is set to true, then scaling is relative to the original picture size as opposed to the current picture size. [*Example*: Consider the case where a picture has been resized within a document and is now 50% of the originally inserted picture size. Now if the user chooses to make a later adjustment to the size of this picture within the generating application, then the value of this attribute should be checked. If this attribute is set to true then a value of 50% is shown. Similarly, if this attribute is set to false, then a value of 100% should be shown because the picture has not yet been resized from its current (smaller) size. *end example*] The possible values for this attribute are defined by the W3C XML Schema boolean datatype.

The following changes will be made to Section 21.3.2.7, cNvPr (Non-Visual Drawing Properties):

Attributes	Description
descr (Alternative Text for Object) Namespace: ~~.../drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies alternative text for the current DrawingML object, for use by assistive technologies or applications which do not display the current object. If this element is omitted, then no alternative text is present for the parent object. [*Example*: Consider a DrawingML object defined as follows: `<… descr="A picture of a bowl of fruit">` The descr attribute contains alternative text which can be used in place of the actual DrawingML object. *end example*] The possible values for this attribute are defined by the W3C XML Schema string datatype.
hidden (Hidden) Namespace: ~~.../drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies whether this DrawingML object is displayed. When a DrawingML object is displayed within a document, that object can be hidden (i.e., present, but not visible). This attribute determines whether the object is rendered or made hidden. [*Note*: An application can have settings which allow this object to be viewed. *end note*] If this attribute is omitted, then the parent DrawingML object shall be displayed (i.e., not hidden). [*Example*: Consider an inline DrawingML object which must be hidden within the document's content. This setting would be specified as follows: `<… hidden="true" />`

Attributes	Description
	The hidden attribute has a value of `true`, which specifies that the DrawingML object is hidden and not displayed when the document is displayed. *end example*] The possible values for this attribute are defined by the W3C XML Schema boolean datatype.
id (Unique Identifier) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies a unique identifier for the current DrawingML object within the current document. This ID can be used to assist in uniquely identifying this object so that it can be referred to by other parts of the document. If multiple objects within the same document share the same id attribute value, then the document shall be considered non-conformant. [*Example*: Consider a DrawingML object defined as follows: `<… id="10" … >` The id attribute has a value of `10`, which is the unique identifier for this DrawingML object. *end example*] The possible values for this attribute are defined by the ST_DrawingElementId simple type (§**Error! Reference source not found.**).
name (Name) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies the name of the object. [*Note*: Typically, this is used to store the original file name of a picture object. *end note*] [*Example*: Consider a DrawingML object defined as follows: `< … name="foo.jpg"  >` The name attribute has a value of `foo.jpg`, which is the name of this DrawingML object. *end example*] The possible values for this attribute are defined by the W3C XML Schema string datatype.
title (Title) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies the title (caption) of the current DrawingML object. If this attribute is omitted, then no title text is present for the parent object. [*Example*: Consider a DrawingML object defined as follows: `<… title="Process Flow Diagram">` *end example*] The possible values for this attribute are defined by the W3C XML Schema string

Attributes	Description
	datatype.

The following changes will be made to Section 21.3.2.8, cNvSpPr (Non-Visual Shape Drawing Properties):

Attributes	Description
txBox (Text Box) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies that the corresponding shape is a text box and thus should be treated as such by the generating application. If this attribute is omitted then it is assumed that the corresponding shape is not specifically a text box. [*Note*: Because a shape is not specified to be a text box does not mean that it cannot have text attached to it. A text box is merely a specialized shape with specific properties. *end note*] The possible values for this attribute are defined by the W3C XML Schema boolean datatype.

The following changes will be made to Section 21.3.2.10, ext (Shape Extent):

Attributes	Description
cx (Extent Length) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies the length of the extents rectangle in EMUs. This rectangle shall dictate the size of the object as displayed (the result of any scaling to the original object). [*Example*: Consider a DrawingML object specified as follows: `<… cx="1828800" cy="200000"/>` The cx attributes specifies that this object has a height of 1828800 EMUs (English Metric Units). *end example*] The possible values for this attribute are defined by the ST_PositiveCoordinate simple type (§**Error! Reference source not found.**).
cy (Extent Width) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies the width of the extents rectangle in EMUs. This rectangle shall dictate the size of the object as displayed (the result of any scaling to the original object). [*Example*: Consider a DrawingML object specified as follows: `< … cx="1828800" cy="200000"/>` The cy attribute specifies that this object has a width of 200000 EMUs (English Metric Units). *end example*] The possible values for this attribute are defined by the ST_PositiveCoordinate simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.3.2.14, grpSpPr (Group Shape Properties):

Attributes	Description
bwMode (Black and White Mode) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies that the group shape should be rendered using only black and white coloring. That is the coloring information for the group shape should be converted to either black or white when rendering the corresponding shapes. No gray is to be used in rendering this image, only stark black and stark white. [*Note*: This does not mean that the group shapes themselves are stored with only black and white color information. This attribute instead sets the rendering mode that the shapes use when rendering. *end note*] The possible values for this attribute are defined by the ST_BlackWhiteMode simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.3.2.23, spPr (Shape Properties):

Attributes	Description
bwMode (Black and White Mode) Namespace: …/drawingml/2006/main http://purl.oclc.org/ooxml/drawingml/main	Specifies that the picture should be rendered using only black and white coloring. That is the coloring information for the picture should be converted to either black or white when rendering the picture. No gray is to be used in rendering this image, only stark black and stark white. [*Note*: This does not mean that the picture itself that is stored within the file is necessarily a black and white picture. This attribute instead sets the rendering mode that the picture has applied to when rendering. *end note*] The possible values for this attribute are defined by the ST_BlackWhiteMode simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.3.2.28, xfrm (Graphics Frame Transform):

Attributes	Description
flipH (Horizontal Flip) Namespace: …/drawingml/2006/main http://purl.oclc.or	Specifies a horizontal flip. When true, this attribute defines that the shape is flipped horizontally about the center of its bounding box. [*Example*: The following illustrates the effect of a horizontal flip.

Attributes	Description
g/ooxml/drawing ml/main	*end example*] The possible values for this attribute are defined by the W3C XML Schema boolean datatype.
flipV (Vertical Flip) Namespace: …/drawingml/200 6/main http://purl.oclc.or g/ooxml/drawing ml/main	Specifies a vertical flip. When true, this attribute defines that the group is flipped vertically about the center of its bounding box. [*Example*: The following illustrates the effect of a vertical flip. *end example*] The possible values for this attribute are defined by the W3C XML Schema boolean datatype.
rot (Rotation) Namespace: …/drawingml/200 6/main http://purl.oclc.or g/ooxml/drawing ml/main	Specifies the rotation of the Graphic Frame. The units for which this attribute is specified in reside within the simple type definition referenced below. The possible values for this attribute are defined by the ST_Angle simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.3.3, Simple Types:

This is the complete list of simple types in the
http://schemas.openxmlformats.org/drawingml/2006/chartDrawing
http://purl.oclc.org/ooxml/drawingml/chartDrawing namespace.

The following changes will be made to Section 21.4.2.22, relIds (Explicit Relationships to Diagram Parts):

Attributes	Description
cs (Explicit Relationship to Diagram Colors Part)	Specifies the relationship ID for the explicit relationship to the Diagram Colors part used by this diagram. This relationship shall be of type

Attributes	Description
Namespace: ~~.../officeDocument /2006/relationshi ps~~ http://purl.oclc.or g/ooxml/officeDoc ument/relationshi ps	~~http://schemas.openxmlformats.org/officeDocument/2006/relationships/diagramColors~~ http://purl.oclc.org/ooxml/officeDocument/relationships/diagramColors or the document shall be considered non-conformant. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).
dm (Explicit Relationship to Diagram Data Part) Namespace: ~~.../officeDocument /2006/relationshi ps~~ http://purl.oclc.or g/ooxml/officeDoc ument/relationshi ps	Specifies the relationship ID for the explicit relationship to the Diagram Data part used by this diagram. This relationship shall be of type ~~http://schemas.openxmlformats.org/officeDocument/2006/relationships/diagramData~~ http://purl.oclc.org/ooxml/officeDocument/relationships/diagramData or the document shall be considered non-conformant. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).
lo (Explicit Relationship to Diagram Layout Definition Part) Namespace: ~~.../officeDocument /2006/relationshi ps~~ http://purl.oclc.or g/ooxml/officeDoc ument/relationshi ps	Specifies the relationship ID for the explicit relationship to the Diagram Layout Definition part used by this diagram. This relationship shall be of type ~~http://schemas.openxmlformats.org/officeDocument/2006/relationships/diagramLayout~~ http://purl.oclc.org/ooxml/officeDocument/relationships/diagramLayout or the document shall be considered non-conformant. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).
qs (Explicit Relationship to Style Definition Part) Namespace: ~~.../officeDocument /2006/relationshi ps~~ http://purl.oclc.or g/ooxml/officeDoc ument/relationshi ps	Specifies the relationship ID for the explicit relationship to the Diagram Style part used by this diagram. This relationship shall be of type ~~http://schemas.openxmlformats.org/officeDocument/2006/relationships/diagramQuickStyle~~ http://purl.oclc.org/ooxml/officeDocument/relationships/diagramQuickStyle or the document shall be considered non-conformant. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.4.2.27, shape (Shape):

Attributes	Description
blip (Relationship to Image Part) Namespace: ~~…/officeDocument/2006/relationships~~ http://purl.oclc.org/ooxml/officeDocument/relationships	Specifies the relationship ID of the explicit relationship to an image which shall be used as the image for the contents of this shape. This relationship shall be of type ~~http://schemas.openxmlformats.org/officeDocument/2006/relationships/image~~ http://purl.oclc.org/ooxml/officeDocument/relationships/image or the document shall be considered non-conformant. The possible values for this attribute are defined by the ST_RelationshipId simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.4.3.7, spPr (Shape Properties):

Attributes	Description
bwMode (Black and White Mode) Namespace: ~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main	Specifies that the picture should be rendered using only black and white coloring. That is the coloring information for the picture should be converted to either black or white when rendering the picture. No gray is to be used in rendering this image, only stark black and stark white. [*Note*: This does not mean that the picture itself that is stored within the file is necessarily a black and white picture. This attribute instead sets the rendering mode that the picture has applied to when rendering. *end note*] The possible values for this attribute are defined by the ST_BlackWhiteMode simple type (§**Error! Reference source not found.**).

The following changes will be made to Section 21.4.5.6, sp3d (3-D Shape Properties):

Attributes	Description

contourW (Contour Width)
 	
Namespace:
~~…/drawingml/2006/main~~
http://purl.oclc.org/ooxml/drawingml/main
	Defines the width of the contour on the shape.
	
	[*Example*: Consider the following example of a contourW in use within the sp3d element:
	
	`<a:sp3d extrusionH="165100" contourW="50800"`
	`  prstMaterial="plastic">`
	`  <a:bevelT w="254000" h="254000"/>`
	`  <a:bevelB w="254000" h="254000"/>`

Attributes	Description
	``
    <a:extrusionClr>
      <a:srgbClr val="FF0000"/>
    </a:extrusionClr>
    <a:contourClr>
      <a:schemeClr val="accent3"/>
    </a:contourClr>
  </a:sp3d>
```

In this example, we see a countourW defined as **50800**. *end example*]

The possible values for this attribute are defined by the ST_PositiveCoordinate simple type (§**Error! Reference source not found.**). |
| extrusionH (Extrusion Height)

Namespace:
~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main | Defines the height of the extrusion applied to the shape.

[*Example*:  Consider the following example of an extrusionH in use within the sp3d element:

```
    <a:sp3d extrusionH="165100" contourW="50800"
    prstMaterial="plastic">
        <a:bevelT w="254000" h="254000"/>
        <a:bevelB w="254000" h="254000"/>
        <a:extrusionClr>
            <a:srgbClr val="FF0000"/>
        </a:extrusionClr>
        <a:contourClr>
            <a:schemeClr val="accent3"/>
        </a:contourClr>
  </a:sp3d>
```

In this example, we see a extrusionH defined as **165100**. *end example*]

The possible values for this attribute are defined by the ST_PositiveCoordinate simple type (§**Error! Reference source not found.**). |
| prstMaterial (Preset Material Type)

Namespace:
~~…/drawingml/2006/main~~ http://purl.oclc.org/ooxml/drawingml/main | Defines the preset material which is combined with the lighting properties to give the final look and feel of a shape.

[*Example*: Consider the following example of a prstMaterial in use within the sp3d element:

```
    <a:sp3d extrusionH="165100" contourW="50800"
      prstMaterial="plastic">
      <a:bevelT w="254000" h="254000"/>
      <a:bevelB w="254000" h="254000"/>
      <a:extrusionClr>
        <a:srgbClr val="FF0000"/>
      </a:extrusionClr>
``` |

Attributes	Description
| | ```
    <a:contourClr>
      <a:schemeClr val="accent3"/>
    </a:contourClr>
  </a:sp3d>
```<br><br>In this example, we see a prstMaterial defined as `plastic`. *end example*]<br><br>The possible values for this attribute are defined by the ST_PresetMaterialType simple type (§**Error! Reference source not found.**). |
| z (Shape Depth)

Namespace:
~~…/drawingml/2006/main~~
http://purl.oclc.org/ooxml/drawingml/main | Defines the z coordinate for the 3D shape.

The possible values for this attribute are defined by the ST_Coordinate simple type (§**Error! Reference source not found.**). |

The following changes will be made to Section 21.4.7, Simple Types:

This is the complete list of simple types in the
~~http://schemas.openxmlformats.org/drawingml/2006/diagram~~
http://purl.oclc.org/ooxml/drawingml/diagram namespace.