

# Revised Disposition for NZ-0011

Agreed; the specification of the tblPr element in WordprocessingML omitted information (specifically, the caption and long description) which inhibited accessibility. Similarly, the specification of the cNvPr element in DrawingML omitted information (specifically, the title ) which inhibited accessibility. To correct this, the following changes will be made:

- An element will be added to the tblPr for the caption of the table
- An element will be added to the tblPr for the long description (summary) of the table
- An attribute will be added to the cNvPr for the title of DrawingML components
- An informative entry will be made in the Accessibility Annex describing how captions work for tables.

## Part 4, §2.4.58, pages 475 – 477:

Child Elements	Subclause
<a href="#">tblCaption (Table Caption)</a>	<a href="#">§2.4.x</a>
<a href="#">tblDescription ( Table Description )</a>	<a href="#">§2.4.x</a>

The following W3C XML Schema fragment defines the contents of this element:

```
<complexType name="CT_TblPr">
  <complexContent>
    <extension base="CT_TblPrBase">
      <sequence>
        <element name="tblPrChange" type="CT_TblPrChange" minOccurs="0"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
```

## New subclauses in §2.4.58:

### [2.4.58.x tblCaption \(Table Caption\)](#)

[This element specifies the caption for the table.](#)

[\[Example: Consider a table which specifies a caption. This object might contain the following XML markup:](#)

[<w:tbl>](#)

[\\_<w:tblPr>](#)

[<w:tblCaption w:val="Here is the caption of the table" />](#)

[...](#)

[<w:tblPr>](#)

[</w:tbl>](#)

*[end example\]](#)*

<u><a href="#">Parent Elements</a></u>
<u><a href="#">tblPr (§2.7.5.3); tblPr (§2.7.5.4); tblPr (§2.4.55); tblPr (§2.4.56)</a></u>

#### [2.4.58.x tblDescription \(Table Description\)](#)

[This element specifies the description for the table.](#)

[\[Example: Consider a table which specifies a description. This object might contain the following XML markup:](#)

[<w:tbl>](#)

[<w:tblPr>](#)

[<w:tblDescription w:val="Here is the description of the table" />](#)

[...](#)

[<w:tblPr>](#)

[</w:tbl>](#)

*[end example\]](#)*

<u><a href="#">Parent Elements</a></u>
<u><a href="#">tblPr (§2.7.5.3); tblPr (§2.7.5.4); tblPr (§2.4.55); tblPr (§2.4.56)</a></u>

The following W3C XML Schema fragment defines the contents of this element:

```
<complexType name="CT_TblPrBase">
  <sequence>
    <element name="tblStyle" type="CT_String" minOccurs="0">
      <annotation>
        <documentation>Referenced Table Style</documentation>
      </annotation>
    </element>
    <element name="tblpPr" type="CT_TblPPr" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Floating Table Positioning</documentation>
      </annotation>
    </element>
    <element name="tblOverlap" type="CT_TblOverlap" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Floating Table Allows Other Tables to Overlap</documentation>
      </annotation>
    </element>
    <element name="bidiVisual" type="CT_OnOff" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Visually Right to Left Table</documentation>
      </annotation>
    </element>
    <element name="tblStyleRowBandSize" type="CT_DecimalNumber" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Number of Rows in Row Band</documentation>
      </annotation>
    </element>
    <element name="tblStyleColBandSize" type="CT_DecimalNumber" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Number of Columns in Column Band</documentation>
      </annotation>
    </element>
    <element name="tblW" type="CT_TblWidth" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Preferred Table Width</documentation>
      </annotation>
    </element>
    <element name="jc" type="CT_Jc" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Table Alignment</documentation>
      </annotation>
    </element>
    <element name="tblCellSpacing" type="CT_TblWidth" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Table Cell Spacing Default</documentation>
      </annotation>
    </element>
    <element name="tblInd" type="CT_TblWidth" minOccurs="0" maxOccurs="1">
      <annotation>
        <documentation>Table Indent from Leading Margin</documentation>
      </annotation>
    </element>
  </sequence>
</complexType>
```

```

<element name="tblBorders" type="CT_TblBorders" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Borders</documentation>
  </annotation>
</element>
<element name="shd" type="CT_Shd" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Shading</documentation>
  </annotation>
</element>
<element name="tblLayout" type="CT_TblLayoutType" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Layout</documentation>
  </annotation>
</element>
<element name="tblCellMar" type="CT_TblCellMar" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Cell Margin Defaults</documentation>
  </annotation>
</element>
<element name="tblLook" type="CT_ShortHexNumber" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Style Conditional Formatting Settings</documentation>
  </annotation>
</element>
<element name="tblCaption" type="CT String" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Caption</documentation>
  </annotation>
</element>
<element name="tblDescription" type="CT String" minOccurs="0" maxOccurs="1">
  <annotation>
    <documentation>Table Description</documentation>
  </annotation>
</element>
</sequence>
</complexType>

```

#### To wml.xsd:

- tblCaption added to CT\_tblPrBase,
- tblDescription added to CT\_tblPrBase

#### Part 4, §4.3.1.12, pages 3,213 – 3,215:

#### cNvPr (Non-Visual Drawing Properties)

This element specifies non-visual canvas properties. This allows for additional information that does not affect the appearance of the picture to be stored.

[Example: Consider the following DrawingML.

```
<p:pic>
  ...
  <p:nvPicPr>
    <p:cNvPr id="4" name="Lilly_by_Lisher.jpg"/>
  </p:nvPicPr>
  ...
</p:pic>
```

*end example]*

Parent Elements
nvCxnSpPr ( <b>§Error! Reference source not found.</b> ); nvGraphicFramePr ( <b>§Error! Reference source not found.</b> ); nvGrpSpPr ( <b>§Error! Reference source not found.</b> ); nvPicPr ( <b>§Error! Reference source not found.</b> ); nvSpPr ( <b>§Error! Reference source not found.</b> )

Child Elements	Subclause
extLst (Extension List)	<b>§Error! Reference source not found.</b>
hlinkClick (Click Hyperlink)	<b>§Error! Reference source not found.</b>
hlinkHover (Hyperlink for Hover)	<b>§Error! Reference source not found.</b>

Attributes	Description
descr (Alternative Text for Object)	Specifies alternative text for the current DrawingML object, for use by assistive technologies or applications which do not display the current object.
Namespace: .../drawingml/2006/main	<p>If this element is omitted, then no alternative text is present for the parent object.</p> <p>[Example: Consider a DrawingML object defined as follows:</p> <pre>&lt;... descr="A picture of a bowl of fruit"&gt;</pre> <p>The descr attribute contains alternative text which can be used in place of the actual DrawingML object. <i>end example]</i></p> <p>The possible values for this attribute are defined by the W3C XML Schema string datatype.</p>

Attributes	Description
<p>hidden (Hidden)</p> <p>Namespace: .../drawingml/2006/main</p>	<p>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. [<i>Note</i>: An application can have settings which allow this object to be viewed. <i>end note</i>]</p> <p>If this attribute is omitted, then the parent DrawingML object shall be displayed (i.e., not hidden).</p> <p>[<i>Example</i>: Consider an inline DrawingML object which must be hidden within the document's content. This setting would be specified as follows:</p> <pre data-bbox="483 604 760 632" style="text-align: center;">&lt;... hidden="true" /&gt;</pre> <p>The hidden attribute has a value of true, which specifies that the DrawingML object is hidden and not displayed when the document is displayed. <i>end example</i>]</p> <p>The possible values for this attribute are defined by the W3C XML Schema boolean datatype.</p>
<p>id (Unique Identifier)</p> <p>Namespace: .../drawingml/2006/main</p>	<p>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.</p> <p>If multiple objects within the same document share the same id attribute value, then the document shall be considered non-conformant.</p> <p>[<i>Example</i>: Consider a DrawingML object defined as follows:</p> <pre data-bbox="483 1136 686 1163" style="text-align: center;">&lt;... id="10" ... &gt;</pre> <p>The id attribute has a value of 10, which is the unique identifier for this DrawingML object. <i>end example</i>]</p> <p>The possible values for this attribute are defined by ST_DrawingElementId simple type (<b>\$Error! Reference source not found.</b>).</p>
<p>name (Name)</p> <p>Namespace: .../drawingml/2006/main</p>	<p>Specifies the name of the object. [<i>Note</i>: Typically, this is used to store the original file name of a picture object. <i>end note</i>]</p> <p>[<i>Example</i>: Consider a DrawingML object defined as follows:</p> <pre data-bbox="483 1535 776 1562" style="text-align: center;">&lt; ... name="foo.jpg" &gt;</pre> <p>The name attribute has a value of foo.jpg, which is the name of this DrawingML object. <i>end example</i>]</p> <p>The possible values for this attribute are defined by the W3C XML Schema string datatype.</p>
<p><a href="#">title (Title)</a></p> <p><a href="#">Namespace: .../drawingml/2006/main</a></p>	<p><a href="#">Specifies the title or caption of the current DrawingML object.</a></p> <p><a href="#">If this attribute is omitted, then no title text is present for the parent object.</a></p> <p><a href="#">[Example: Consider a DrawingML object defined as follows:</a></p>

Attributes	Description
	<p data-bbox="483 279 948 306"><a href="#">&lt;... title="Process Flow Diagram"&gt;</a></p> <p data-bbox="443 342 589 369"><a href="#">end example</a></p> <p data-bbox="443 405 1422 432"><a href="#">The possible values for this attribute are defined by the W3C XML Schema string datatype.</a></p>

The following W3C XML Schema fragment defines the contents of this element:

```

<complexType name="CT_NonVisualDrawingProps">
  <sequence>
    <element name="hlinkClick" type="CT_Hyperlink" minOccurs="0" maxOccurs="1"/>
    <element name="hlinkHover" type="CT_Hyperlink" minOccurs="0" maxOccurs="1"/>
    <element name="extLst" type="CT_OfficeArtExtensionList" minOccurs="0" maxOccurs="1"/>
  </sequence>
  <attribute name="id" type="ST_DrawingElementId" use="required"/>
  <attribute name="name" type="xsd:string" use="required"/>
  <attribute name="descr" type="xsd:string" use="optional" default=""/>
  <attribute name="hidden" type="xsd:boolean" use="optional" default="false"/>
  <attribute name="title" type="xsd:string" use="optional" default=""/>
</complexType>

```

To dml-main.xsd:

- title added to CT\_NonVisualDrawingProps

## In Part 4, Annex G. Accessibility Best Practices, Best Practice for Customers

### Tables

There are two types of tables in Office Open XML: tables stored as WordprocessingML and tables stored as DrawingML. Both tables enable customers to provide captions and descriptions for their tables. Customers are strongly encouraged to ensure that all tables contain both captions and descriptions.

### Using Captions and Long Descriptions in WordprocessingML Tables

[Example: Consider a simple table that contains both captions and long descriptions.]

```

<w:body>
  <w:tbl>
    <w:tblPr>
      <w:tblStyle w:val="TableGrid"/>
      <w:tblW w:w="0" w:type="auto"/>

```

```

        <w:tblLook w:val="04A0"/>
        <w: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>
end example]

```

### Using Captions and Long Descriptions in DrawingML Tables

[Example: Consider a simple table that contains both captions and long descriptions.

```

<p:graphicFrame>
  <p:nvGraphicFramePr>
    <p:cNvPr id="4" name="Table 3" title="2004 Figures"
              descr="This table shows that sales
                    figures have been rising for
                    the past five quarters."/>
    ...
  </p:nvGraphicFramePr>
  <p:xfrm>...</p:xfrm>
  <a:graphic>
    <a:graphicData uri="...">
      <a:tbl>
        ...
      </a:tbl>
    ...
  </p:graphicFrame>
end example]

```