

# Text for Use in the "Disposition of Comments Document"

(Comment #0135)

Agreed, there are several locations where bitfields are currently used in the specification. In all cases that approach will either be deprecated and replaced with more detailed XML markup, or it will remain as is because it already maps to an existing standard format.

The following sections of the specification will have the bitfield deprecated and additional markup provided to give the same level of functionality previously handled by the bitfield:

- Part 4, §2.3.1.8; §2.4.7; §2.4.8 *cnfStyle* – There are 12 settings supported by this bitfield
- Part 4, §2.4.51; §2.4.52 *tblLook* – There are 6 settings supported by this bitfield
- Part 4, §2.15.1.86 *stylePaneFormatFilter* – There are 16 settings supported by this bitfield
- Part 4, §2.18.11 *ST\_Cnf* – This simple type will be deprecated
- Part 4, §6.1.2.7 *group* – This element had an attribute that was a bitfield, but is part of the VML section and is being deprecated as proposed in the response to CA-0076

The other areas where bitfields are used are in Part 4, §2.8.2.13 and §2.8.2.16. In this case though, these values are already defined in ISO/IEC 14496-22:2007, which is why they will remain as is.

## Background

A bitfield (often referred to as a *bitmask*) is not a binary format. Bitfields in DIS 29500 are fully defined in XML and can be processed by common XML tools such as XSLT, as described below. At the end of this disposition we propose a new Annex which will include a complete XSLT (tested using Saxon 9.0.0.2N) that can process bitfields as defined in DIS29500.

It is important to note that many XML-based formats use non-XML syntax for compactness. For example, the XSLT standard itself uses XPath which is a non-XML notation. It should be noted that the original XSL submission used an XML syntax for patterns (§3.2 Patterns in <http://www.w3.org/TR/NOTE-XSL.html>), but that the W3C standardization process changed this XML-based syntax to XPath, a more compact non-XML notation.

## Proposed Changes

We will make the following changes to Part 4, §2.3.1.8; §2.4.7; §2.4.8; §2.4.51; §2.4.52; §2.15.1.86; §2.18.11; & §6.1.2.7:

### 2.3.1.8 cnfStyle (Paragraph Conditional Formatting)

This element specifies the set of conditional table style formatting properties which have been applied to this paragraph, if this paragraph is contained within a table cell. [Note: This property is an optimization which may be used by consumers to determine if a given property on a paragraph is the result of the table style properties vs. direct formatting on the paragraph itself. end note]

If this property is specified on a paragraph which is not contained within a table cell, then its contents shall be ignored when reading the contents of the document.

[Example: Consider a paragraph in the top right corner of a table with a table style applied [and where the table is formatted as left to right](#). This paragraph would need to specify the following WordprocessingML:

```
<w:p>
  <w:pPr>
    <w:cnfStyle w:firstRow="true" w:lastColumn="true"
w:firstRowLastColumn="true" w:val="101000000100"/>
    ...
  </w:pPr>
  ...
</w:p>
```

This paragraph specifies that it has the conditional properties from the table style for the first column, first row, and the [NW top right](#) corner of the parent table by setting the appropriate ~~bits in the val~~ attributes. end example]

Parent Elements
pPr (§2.7.4.2); pPr (§2.9.24); pPr (§2.3.1.25); pPr (§2.7.5.1); pPr (§2.3.1.26); pPr (§2.7.7.2)

Attributes	Description
<a href="#">firstRow (First Row)</a>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the first row of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the top row of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></p> <pre>&lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt;</pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the first row of the parent table. end example]</a></p>

Attributes	Description
<a href="#">lastRow (Last Row)</a>	<p>The possible values for this attribute are defined by the <a href="#">ST_OnOff simple type (\$2.18.67)</a>.</p> <p>Specifies that the object has inherited the conditional properties applied to the last row of the table.</p> <p><i>[Example: Consider a paragraph in the bottom row of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="459 520 971 730"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the last row of the parent table. end example]</i></p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff simple type (\$2.18.67)</a>.</p>
<a href="#">firstColumn (First Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the first column of the table.</p> <p><i>[Example: Consider a paragraph in the first column of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="459 1108 1027 1318"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the first column of the parent table. end example]</i></p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff simple type (\$2.18.67)</a>.</p>
<a href="#">lastColumn (Last Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the last column of the table.</p> <p><i>[Example: Consider a paragraph in the last column of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="459 1696 1011 1873"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... </pre>

Attributes	Description
	<p><a href="#">&lt;/w:p&gt;</a></p> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the last column of the parent table. <i>end example</i></a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p><a href="#">oddVBand (Odd Numbered Vertical Band)</a></p>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the odd numbered vertical bands of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the third column of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="456 680 987 894"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:oddVBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the odd numbered vertical bands of the parent table. <i>end example</i></a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p><a href="#">evenVBand (Even Numbered Vertical Band)</a></p>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the even numbered vertical bands of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the second column of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="456 1297 1002 1512"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:evenVBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the even numbered vertical bands of the parent table. <i>end example</i></a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p><a href="#">oddHBand (Odd Numbered Horizontal Band)</a></p>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the odd numbered horizontal bands of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the third row of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</a></p>

Attributes	Description
	<pre data-bbox="459 279 987 499"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:oddHBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p data-bbox="459 531 1421 594"><u>This paragraph specifies that it has the conditional properties from the table style for the odd numbered horizontal bands of the parent table. <i>end example</i></u></p> <p data-bbox="459 625 1421 657"><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p data-bbox="191 678 427 762"><u>evenHBand (Even Numbered Horizontal Band)</u></p>	<p data-bbox="459 678 1372 741"><u>Specifies that the object has inherited the conditional properties applied to the even numbered horizontal bands of the table.</u></p> <p data-bbox="459 772 1429 867"><u>[Example: Consider a paragraph in the second row of a table with a table style applied, and where the band width is one row. This paragraph would need to specify the following WordprocessingML:</u></p> <pre data-bbox="459 909 1003 1119"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:evenHBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p data-bbox="459 1150 1421 1213"><u>This paragraph specifies that it has the conditional properties from the table style for the even numbered horizontal bands of the parent table. <i>end example</i></u></p> <p data-bbox="459 1245 1421 1276"><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p data-bbox="191 1297 427 1381"><u>firstRowFirstColumn (First Row and First Column)</u></p>	<p data-bbox="459 1297 1429 1360"><u>Specifies that the object has inherited the conditional properties applied to the cell that is in the first row and first column of the table.</u></p> <p data-bbox="459 1392 1429 1455"><u>[Example: Consider a paragraph in the first row and first column of a table. This paragraph would need to specify the following WordprocessingML:</u></p> <pre data-bbox="459 1497 1247 1728"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" w:firstColumn="true" w:firstRowFirstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p data-bbox="459 1770 1421 1833"><u>This paragraph specifies that it has the conditional properties from the table style for the cell in the first row and first column of the parent table. <i>end example</i></u></p> <p data-bbox="459 1864 1421 1896"><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>

Attributes	Description
<a href="#">firstRowLastColumn (First Row and Last Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the first row and last column of the table.</p> <p><i>[Example: Consider a paragraph in the first row and last column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre>&lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" w:lastColumn="true" w:firstRowLastColumn="true" /&gt;   ... &lt;/w:pPr&gt; ... &lt;/w:p&gt;</pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the cell in the first row and last column of the parent table. end example]</i></p> <p><i>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</i></p>
<a href="#">lastRowFirstColumn (Last Row and First Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the last row and first column of the table.</p> <p><i>[Example: Consider a paragraph in the last row and first column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre>&lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" w:firstColumn="true" w:lastRowFirstColumn="true" /&gt;   ... &lt;/w:pPr&gt; ... &lt;/w:p&gt;</pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the cell in the last row and first column of the parent table. end example]</i></p> <p><i>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</i></p>
<a href="#">lastRowLastColumn (Last Row and Last Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the last row and last column of the table.</p> <p><i>[Example: Consider a paragraph in the last row and last column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre>&lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" w:lastColumn="true" w:lastRowLastColumn="true" /&gt;   ... &lt;/w:pPr&gt; ... &lt;/w:p&gt;</pre>

Attributes	Description
	<p><a href="#">&lt;/w:p&gt;</a></p> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the cell in the last row and last column of the parent table. <i>end example</i></a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p>val (Conditional Formatting Bit Mask)</p>	<p>Specifies the set of conditional formatting properties that have been applied to this object.</p> <p>These properties are expressed using a string serialization of a binary bitmask for each of the following properties (reading from the first character position right):</p> <p>First Row—Is this the first row of the table?  Last Row—Is this the last row of the table?  First Column—Does this belong to the first column of the table?  Last Column—Does this belong to the last column of the table?  Band 1 Vertical—Does this belong to a column which should receive band 1 formatting? This property specifies whether the cell should receive the formatting specified for odd-numbered columns (e.g. 1,3,5,...)  Band 2 Vertical—Does this belong to a column which should receive band 2 formatting? This property specifies whether the cell should receive the formatting specified for even-numbered columns (e.g. 2,4,6...)  Band 1 Horizontal—Does this receive band 1 formatting? This property specifies whether the cell should receive the formatting specified for odd-numbered rows (e.g. 1,3,5,...)  Band 2 Horizontal—Does this receive band 2 formatting? This property specifies whether the cell should receive the formatting specified for even-numbered rows (e.g. 2,4,6...)  NE Cell—Is this part of the top-right corner of the table?  NW Cell—Is this part of the top-left corner of the table?  SE Cell—Is this part of the bottom-right corner of the table?  SW Cell—Is this part of the bottom-left corner of the table?</p> <p>For each of these properties, a value of 1 in the specified character position in the string means that the value is true, a value of 0 means false. All values must be specified.</p> <p>[<i>Example:</i> Consider a paragraph in the top-right corner of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</p> <pre>&lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:val="101000000100" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt;</pre> <p>This paragraph specifies that it has the conditional properties from the table style for the first column, first row, and the NW corner of the parent table by setting the appropriate bits in the val attribute. <i>end example</i>]</p> <p>The possible values for this attribute are defined by the ST_Cnf simple type (§2.18.11).</p>

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

```
2 <complexType name="CT_Cnf">
3   <attribute name="firstRow" type="ST OnOff"/>
4   <attribute name="lastRow" type="ST OnOff"/>
5   <attribute name="firstColumn" type="ST OnOff"/>
6   <attribute name="lastColumn" type="ST OnOff"/>
7   <attribute name="oddVBand" type="ST OnOff"/>
8   <attribute name="evenVBand" type="ST OnOff"/>
9   <attribute name="oddHBand" type="ST OnOff"/>
10  <attribute name="evenHBand" type="ST OnOff"/>
11  <attribute name="firstRowFirstColumn" type="ST OnOff"/>
12  <attribute name="firstRowLastColumn" type="ST OnOff"/>
13  <attribute name="lastRowLastColumn" type="ST OnOff"/>
14  <attribute name="val" type="ST_Cnf" use="required"/>
```

## 18 2.4.7 cnfStyle (Table Cell Conditional Formatting)

19 This element specifies the set of conditional table style formatting properties which have been applied  
20 to this table cell. [Note: This property is an optimization which is used by consumers to determine if a  
21 given property on a table cell is the result of the table style conditional formatting properties vs. direct  
22 formatting on the table cell itself. It specifies the components of the conditional formatting in the table  
23 style applied to this cell, so that the table's conditional formatting can be applied after the document is  
24 displayed without having the table style properties override the style hierarchy. *end note*]

25 If this element is omitted, then its value shall be assumed to be zero for all entries in the bit mask.

26 [Example: Consider a table cell in the top right corner of a table with a table style applied [and where the](#)  
27 [table is formatted as left to right](#). This table cell would need to specify the following WordprocessingML  
28 to express that fact:

```
29 <w:tc>
30   <w:tcPr>
31     <w:cnfStyle w:firstRow="true" w:lastColumn="true"
32     w:firstRowLastColumn="true" w:val="101000000100"–/–>
33     ...
34   </w:tcPr>
35   ...
36 </w:tc>
```

37 This table cell specifies that it has the conditional properties from the table style for the first column,  
38 first row, and the top [left-right](#) corner of the parent table by setting the appropriate ~~bits in the val~~  
39 attributes. *end example*]

**Parent Elements**

tcPr (§2.7.5.8); tcPr (§2.4.66); tcPr (§2.7.5.9); tcPr (§2.4.67)

1

Attributes	Description
<a href="#">firstRow (First Row)</a>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the first row of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the top row of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="483 667 1062 898"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the first row of the parent table. end example]</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">lastRow (Last Row)</a>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the last row of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the bottom row of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="483 1381 1045 1612"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the last row of the parent table. end example]</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">firstColumn (First</a>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the</a></p>

Attributes	Description
<a href="#">Column</a>	<p>first column of the table.</p> <p><i>[Example: Consider a paragraph in the first column of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="483 468 1109 699"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the first column of the parent table. end example]</i></p> <p>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</p>
<a href="#">lastColumn (Last Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the last column of the table.</p> <p><i>[Example: Consider a paragraph in the last column of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="483 1182 1092 1413"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the last column of the parent table. end example]</i></p> <p>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</p>
<a href="#">oddVBand (Odd Numbered Vertical Band)</a>	<p>Specifies that the object has inherited the conditional properties applied to the odd numbered vertical bands of the table.</p> <p><i>[Example: Consider a paragraph in the third column of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</i></p>

Attributes	Description
	<pre data-bbox="483 254 1062 485"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:oddVBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p data-bbox="483 527 1386 590"><u>This paragraph specifies that it has the conditional properties from the table style for the odd numbered vertical bands of the parent table. <i>end example</i></u></p> <p data-bbox="483 632 1406 695"><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p data-bbox="188 716 428 810"><u>evenVBand (Even Numbered Vertical Band)</u></p>	<p data-bbox="483 716 1422 779"><u>Specifies that the object has inherited the conditional properties applied to the even numbered vertical bands of the table.</u></p> <p data-bbox="483 821 1406 926"><u>[Example: Consider a paragraph in the second column of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</u></p> <pre data-bbox="483 968 1078 1199"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:evenVBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p data-bbox="483 1241 1398 1304"><u>This paragraph specifies that it has the conditional properties from the table style for the even numbered vertical bands of the parent table. <i>end example</i></u></p> <p data-bbox="483 1346 1406 1409"><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p data-bbox="188 1430 407 1524"><u>oddHBand (Odd Numbered Horizontal Band)</u></p>	<p data-bbox="483 1430 1422 1493"><u>Specifies that the object has inherited the conditional properties applied to the odd numbered horizontal bands of the table.</u></p> <p data-bbox="483 1535 1406 1640"><u>[Example: Consider a paragraph in the third row of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</u></p> <pre data-bbox="483 1682 1062 1871"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:oddHBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... </pre>

Attributes	Description
	<p><a href="#">&lt;/w:p&gt;</a></p> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the odd numbered horizontal bands of the parent table. <i>end example</i>]</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p><a href="#">evenHBand (Even Numbered Horizontal Band)</a></p>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the even numbered horizontal bands of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the second row of a table with a table style applied, and where the band width is one row. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="483 762 1079 993"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:evenHBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the even numbered horizontal bands of the parent table. <i>end example</i>]</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p><a href="#">firstRowFirstColumn (First Row and First Column)</a></p>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the cell that is in the first row and first column of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the first row and first column of a table. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="483 1444 1356 1707"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" w:firstColumn="true" w:firstRowFirstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the cell in the first row and first column of the parent table. <i>end example</i>]</a></p>

Attributes	Description
	<p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">firstRowLastColumn</a> (<a href="#">First Row and Last Column</a>)</p>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the first row and last column of the table.</p> <p><i>[Example: Consider a paragraph in the first row and last column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="483 552 1336 814"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" w:lastColumn="true" w:firstRowLastColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p>This paragraph specifies that it has the conditional properties from the table style for the cell in the first row and last column of the parent table. <i>end example]</i></p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">lastRowFirstColumn</a> (<a href="#">Last Row and First Column</a>)</p>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the last row and first column of the table.</p> <p><i>[Example: Consider a paragraph in the last row and first column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre data-bbox="483 1297 1336 1560"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" w:firstColumn="true" w:lastRowFirstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p>This paragraph specifies that it has the conditional properties from the table style for the cell in the last row and first column of the parent table. <i>end example]</i></p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">lastRowLastColumn</a> (<a href="#">Last Row and Last</a></p>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the last row and last column of the table.</p>

Attributes	Description
<p><a href="#">Column</a></p>	<p><a href="#">[Example: Consider a paragraph in the last row and last column of a table. This paragraph would need to specify the following WordprocessingML:</a></p> <pre data-bbox="483 394 1318 659"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" w:lastColumn="true" w:lastRowLastColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the cell in the last row and last column of the parent table. <i>end example</i></a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<p><del>val (Conditional Formatting Bit Mask)</del></p>	<p><del>Specifies the set of conditional formatting properties that have been applied to this object.</del></p> <p><del>These properties are expressed using a string serialization of a binary bitmask for each of the following properties (reading from the first character position right):</del></p> <p><del>First Row—Is this the first row of the table?</del></p> <p><del>Last Row—Is this the last row of the table?</del></p> <p><del>First Column—Does this belong to the first column of the table?</del></p> <p><del>Last Column—Does this belong to the last column of the table?</del></p> <p><del>Band 1 Vertical—Does this belong to a column which should receive band 1 formatting? This property specifies whether the cell should receive the formatting specified for odd-numbered columns (e.g. 1,3,5,...)</del></p> <p><del>Band 2 Vertical—Does this belong to a column which should receive band 2 formatting? This property specifies whether the cell should receive the formatting specified for even-numbered columns (e.g. 2,4,6...)</del></p> <p><del>Band 1 Horizontal—Does this receive band 1 formatting? This property specifies whether the cell should receive the formatting specified for odd-numbered rows (e.g. 1,3,5,...)</del></p> <p><del>Band 2 Horizontal—Does this receive band 2 formatting? This property specifies whether the cell should receive the formatting specified for even-numbered rows (e.g. 2,4,6...)</del></p> <p><del>NE Cell—Is this part of the top-right corner of the table?</del></p> <p><del>NW Cell—Is this part of the top-left corner of the table?</del></p> <p><del>SE Cell—Is this part of the bottom-right corner of the table?</del></p> <p><del>SW Cell—Is this part of the bottom-left corner of the table?</del></p>

Attributes	Description
	<p>For each of these properties, a value of 1 in the specified character position in the string means that the value is true, a value of 0 means false. All values must be specified.</p> <p>[Example: Consider a paragraph in the top right corner of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</p> <pre data-bbox="483 573 1109 804"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:val="101000000100" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p>This paragraph specifies that it has the conditional properties from the table style for the first column, first row, and the NW corner of the parent table by setting the appropriate bits in the val attribute. end example]</p> <p>The possible values for this attribute are defined by the ST_Cnf simple type (<del>¡Error! No se encuentra el origen de la referencia.</del>).</p>

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

```

2 <complexType name="CT_Cnf">
3   <attribute name="firstRow" type="ST_OnOff"/>
4   <attribute name="lastRow" type="ST OnOff"/>
5   <attribute name="firstColumn" type="ST OnOff"/>
6   <attribute name="lastColumn" type="ST OnOff"/>
7   <attribute name="oddVBand" type="ST OnOff"/>
8   <attribute name="evenVBand" type="ST OnOff"/>
9   <attribute name="oddHBand" type="ST OnOff"/>
10  <attribute name="evenHBand" type="ST OnOff"/>
11  <attribute name="firstRowFirstColumn" type="ST OnOff"/>
12  <attribute name="firstRowLastColumn" type="ST OnOff"/>
13  <attribute name="lastRowLastColumn" type="ST OnOff"/>
14  <attribute name="val" type="ST_Cnf" use="required"/>
15 </complexType>

```

16

### 17 2.4.8 cnfStyle (Table Row Conditional Formatting)

18 This element specifies the set of conditional table style formatting properties which have been applied  
19 to this table row. [Note: This property is an optimization which is used by consumers to determine if a  
20 given property on a table row is the result of the table style conditional formatting properties vs. direct  
21 formatting on the table cell itself. It specifies the components of the conditional formatting in the table

1 style applied to this cell, so that the table's conditional formatting can be applied after the document is  
 2 displayed without having the table style properties override the style hierarchy. *end note*]

3 If this element is omitted, then its value shall be assumed to be zero for all entries in the bit mask.

4 [*Example*: Consider a table row in the top of a table with a table style applied. This table cell would need  
 5 to specify the following WordprocessingML to express that fact:

```
6 <w:tr>
7   <w:trPr>
8     <w:cnfStyle w:firstRow="true" w:val="10000000000" />
9     ...
10  </w:trPr>
11  ...
12 </w:tr>
```

13 This table row specifies that it has the conditional properties from the table style for the first row of the  
 14 parent table by setting the appropriate ~~bits in the val attribute~~ attribute value. *end example*]

Parent Elements
trPr (§2.7.5.10); trPr (§2.7.5.11); trPr (§2.4.78); trPr (§2.4.79)

15

Attributes	Description
<a href="#">firstRow (First Row)</a>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the first row of the table.</a></p> <p><a href="#">[Example: Consider a paragraph in the top row of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></p> <pre> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt;</pre> <p><a href="#">This paragraph specifies that it has the conditional properties from the table style for the first row of the parent table. end example]</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">lastRow (Last Row)</a>	<p><a href="#">Specifies that the object has inherited the conditional properties applied to the last row of the table.</a></p>

Attributes	Description
	<p><u><a href="#">[Example: Consider a paragraph in the bottom row of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></u></p> <pre data-bbox="483 394 1047 630"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><u><a href="#">This paragraph specifies that it has the conditional properties from the table style for the last row of the parent table. end example]</a></u></p> <p><u><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></u></p>
<u><a href="#">firstColumn (First Column)</a></u>	<p><u><a href="#">Specifies that the object has inherited the conditional properties applied to the first column of the table.</a></u></p> <p><u><a href="#">[Example: Consider a paragraph in the first column of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></u></p> <pre data-bbox="483 1108 1112 1344"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><u><a href="#">This paragraph specifies that it has the conditional properties from the table style for the first column of the parent table. end example]</a></u></p> <p><u><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></u></p>
<u><a href="#">lastColumn (Last Column)</a></u>	<p><u><a href="#">Specifies that the object has inherited the conditional properties applied to the last column of the table.</a></u></p> <p><u><a href="#">[Example: Consider a paragraph in the last column of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</a></u></p> <pre data-bbox="483 1822 625 1885"> &lt;w:p&gt;   &lt;w:pPr&gt; </pre>

Attributes	Description
	<p><u><a href="#">&lt;w:cnfStyle w:lastColumn="true" /&gt;</a></u>  <u><a href="#">...</a></u>  <u><a href="#">&lt;/w:pPr&gt;</a></u>  <u><a href="#">...</a></u>  <u><a href="#">&lt;/w:p&gt;</a></u></p> <p><u><a href="#">This paragraph specifies that it has the conditional properties from the table style for the last column of the parent table. <i>end example</i></a></u></p> <p><u><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></u></p>
<u><a href="#">oddVBand (Odd Numbered Vertical Band)</a></u>	<p><u><a href="#">Specifies that the object has inherited the conditional properties applied to the odd numbered vertical bands of the table.</a></u></p> <p><u><a href="#">[Example: Consider a paragraph in the third column of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</a></u></p> <p><u><a href="#">&lt;w:p&gt;</a></u>  <u><a href="#">  &lt;w:pPr&gt;</a></u>  <u><a href="#">    &lt;w:cnfStyle w:oddVBand="true" /&gt;</a></u>  <u><a href="#">  ...</a></u>  <u><a href="#">  &lt;/w:pPr&gt;</a></u>  <u><a href="#">&lt;/w:p&gt;</a></u></p> <p><u><a href="#">This paragraph specifies that it has the conditional properties from the table style for the odd numbered vertical bands of the parent table. <i>end example</i></a></u></p> <p><u><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></u></p>
<u><a href="#">evenVBand (Even Numbered Vertical Band)</a></u>	<p><u><a href="#">Specifies that the object has inherited the conditional properties applied to the even numbered vertical bands of the table.</a></u></p> <p><u><a href="#">[Example: Consider a paragraph in the second column of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</a></u></p> <p><u><a href="#">&lt;w:p&gt;</a></u>  <u><a href="#">  &lt;w:pPr&gt;</a></u>  <u><a href="#">    &lt;w:cnfStyle w:evenVBand="true" /&gt;</a></u>  <u><a href="#">  ...</a></u>  <u><a href="#">  &lt;/w:pPr&gt;</a></u>  <u><a href="#">&lt;/w:p&gt;</a></u></p>

Attributes	Description
	<p><u>This paragraph specifies that it has the conditional properties from the table style for the even numbered vertical bands of the parent table. <i>end example</i></u></p> <p><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p><u>oddHBand (Odd Numbered Horizontal Band)</u></p>	<p><u>Specifies that the object has inherited the conditional properties applied to the odd numbered horizontal bands of the table.</u></p> <p><u>[Example: Consider a paragraph in the third row of a table with a table style applied, and where the band width is one column. This paragraph would need to specify the following WordprocessingML:</u></p> <pre data-bbox="483 688 1063 924"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:oddHBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><u>This paragraph specifies that it has the conditional properties from the table style for the odd numbered horizontal bands of the parent table. <i>end example</i></u></p> <p><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p><u>evenHBand (Even Numbered Horizontal Band)</u></p>	<p><u>Specifies that the object has inherited the conditional properties applied to the even numbered horizontal bands of the table.</u></p> <p><u>[Example: Consider a paragraph in the second row of a table with a table style applied, and where the band width is one row. This paragraph would need to specify the following WordprocessingML:</u></p> <pre data-bbox="483 1402 1079 1638"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:evenHBand="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><u>This paragraph specifies that it has the conditional properties from the table style for the even numbered horizontal bands of the parent table. <i>end example</i></u></p> <p><u>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</u></p>
<p><u>firstRowFirstColumn</u></p>	<p><u>Specifies that the object has inherited the conditional properties applied to the</u></p>

Attributes	Description
<a href="#">(First Row and First Column)</a>	<p>cell that is in the first row and first column of the table.</p> <p><i>[Example: Consider a paragraph in the first row and first column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" w:firstColumn="true" w:firstRowFirstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the cell in the first row and first column of the parent table. end example]</i></p> <p><i>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</i></p>
<a href="#">firstRowLastColumn (First Row and Last Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the first row and last column of the table.</p> <p><i>[Example: Consider a paragraph in the first row and last column of a table. This paragraph would need to specify the following WordprocessingML:</i></p> <pre> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:firstRow="true" w:lastColumn="true" w:firstRowLastColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><i>This paragraph specifies that it has the conditional properties from the table style for the cell in the first row and last column of the parent table. end example]</i></p> <p><i>The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</i></p>
<a href="#">lastRowFirstColumn (Last Row and First Column)</a>	<p>Specifies that the object has inherited the conditional properties applied to the cell that is in the last row and first column of the table.</p> <p><i>[Example: Consider a paragraph in the last row and first column of a table. This paragraph would need to specify the following WordprocessingML:</i></p>

Attributes	Description
	<pre data-bbox="483 289 1334 558"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:lastRow="true" w:firstColumn="true" w:lastRowFirstColumn="true" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p data-bbox="483 596 1390 695">This paragraph specifies that it has the conditional properties from the table style for the cell in the last row and first column of the parent table. <i>end example</i></p> <p data-bbox="483 737 1414 800">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</p>
<p data-bbox="188 825 443 888">val (Conditional Formatting Bit Mask)</p>	<p data-bbox="483 825 1422 888">Specifies the set of conditional formatting properties that have been applied to this object.</p> <p data-bbox="483 930 1403 1029">These properties are expressed using a string serialization of a binary bitmask for each of the following properties (reading from the first character position right):</p> <ul data-bbox="483 1071 1430 1776" style="list-style-type: none"> <li>First Row—Is this the first row of the table?</li> <li>Last Row—Is this the last row of the table?</li> <li>First Column—Does this belong to the first column of the table?</li> <li>Last Column—Does this belong to the last column of the table?</li> <li>Band 1 Vertical—Does this belong to a column which should receive band 1 formatting? This property specifies whether the cell should receive the formatting specified for odd-numbered columns (e.g. 1,3,5,...)</li> <li>Band 2 Vertical—Does this belong to a column which should receive band 2 formatting? This property specifies whether the cell should receive the formatting specified for even-numbered columns (e.g. 2,4,6...)</li> <li>Band 1 Horizontal—Does this receive band 1 formatting? This property specifies whether the cell should receive the formatting specified for odd-numbered rows (e.g. 1,3,5,...)</li> <li>Band 2 Horizontal—Does this receive band 2 formatting? This property specifies whether the cell should receive the formatting specified for even-numbered rows (e.g. 2,4,6...)</li> <li>NE Cell—Is this part of the top-right corner of the table?</li> <li>NW Cell—Is this part of the top-left corner of the table?</li> <li>SE Cell—Is this part of the bottom-right corner of the table?</li> <li>SW Cell—Is this part of the bottom-left corner of the table?</li> </ul> <p data-bbox="483 1818 1430 1881">For each of these properties, a value of 1 in the specified character position in the string means that the value is true, a value of 0 means false. All values must</p>

Attributes	Description
	<p><del>be specified.</del></p> <p><del>[Example: Consider a paragraph in the top right corner of a table with a table style applied. This paragraph would need to specify the following WordprocessingML:</del></p> <pre data-bbox="483 468 1109 699"> &lt;w:p&gt;   &lt;w:pPr&gt;     &lt;w:cnfStyle w:val="101000000100" /&gt;     ...   &lt;/w:pPr&gt;   ... &lt;/w:p&gt; </pre> <p><del>This paragraph specifies that it has the conditional properties from the table style for the first column, first row, and the NW corner of the parent table by setting the appropriate bits in the val attribute. end example]</del></p> <p><del>The possible values for this attribute are defined by the ST_Cnf simple type (<del>¡Error! No se encuentra el origen de la referencia.</del>).</del></p>

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

```

2 <complexType name="CT_Cnf">
3   <attribute name="firstRow" type="ST OnOff"/>
4   <attribute name="lastRow" type="ST OnOff"/>
5   <attribute name="firstColumn" type="ST OnOff"/>
6   <attribute name="lastColumn" type="ST OnOff"/>
7   <attribute name="oddVBand" type="ST OnOff"/>
8   <attribute name="evenVBand" type="ST OnOff"/>
9   <attribute name="oddHBand" type="ST OnOff"/>
10  <attribute name="evenHBand" type="ST OnOff"/>
11  <attribute name="firstRowFirstColumn" type="ST OnOff"/>
12  <attribute name="firstRowLastColumn" type="ST OnOff"/>
13  <attribute name="lastRowLastColumn" type="ST OnOff"/>
14  <attribute name="val" type="ST_Cnf" use="required"/>
15 </complexType>

```

16

## 17 2.4.51 tblLook (Table Style Conditional Formatting Settings)

18 This element specifies the components of the conditional formatting of the referenced table style (if one  
19 exists) which shall be applied to the current table. A table style can specify up to six different optional  
20 conditional formats [Example: Different formatting for first column. end example], which then can be  
21 applied or omitted from individual tables in the document.

22 ~~This element's value is hexadecimal code containing a bitmask of options, interpreted as follows:~~

23 ~~0x0020=Apply first row conditional formatting~~

- 1 ~~0x0040=Apply last row conditional formatting~~
- 2 ~~0x0080=Apply first column conditional formatting~~
- 3 ~~0x0100=Apply last column conditional formatting~~
- 4 ~~0x0200=Do not apply row banding conditional formatting~~
- 5 ~~0x0400=Do not apply column banding conditional formatting~~
- 6 ~~If omitted, the bitmask of table style options on the current table shall be assumed to be 0000.~~

7 The default setting is to apply the row and column banding formatting, but not the first row, last row,  
8 first column, or last column formatting.

9 [Example: Consider a table which shall use the following conditional formatting properties from the  
10 referenced table style:

- 11 First row conditional formatting
- 12 Last row conditional formatting
- 13 [No row banding formatting](#)
- 14 [No column banding formatting](#)

15 ~~This table would then apply the following portions of the bitmask:~~

- 16 ~~0x0020=Apply first row conditional formatting~~
- 17 ~~0x0040=Apply last row conditional formatting~~
- 18 ~~0x0200=Do not apply row banding conditional formatting~~
- 19 ~~0x0400=Do not apply column banding conditional formatting~~

20 The resulting WordprocessingML would be specified as follows:

```
21 <w:tblPr>
22   <w:tblLook w:firstRow="true" w:lastRow="true" w:noHBand="true"
23 w:noVBand="true" w:val="0660"/>
24 </w:tblPr>
```

25 The tblLook element specifies ~~which a bitmask which determines the~~ components of the table style are  
26 applied to the current table. *end example*]

Parent Elements
tblPr (§2.7.5.3); tblPr (§2.7.5.4); tblPr (§2.4.55); tblPr (§2.4.56)

Attributes	Description
<a href="#">firstRow</a>	<a href="#">Specifies that the first row conditional formatting shall be applied to the table.</a>  <a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a>
<a href="#">lastRow</a>	<a href="#">Specifies that the last row conditional formatting shall be applied to the table.</a>  <a href="#">The possible values for this attribute are defined by the ST_OnOff simple type</a>

Attributes	Description
	<a href="#"> (§2.18.67).</a>
<a href="#">firstColumn</a>	<p><a href="#">Specifies that the first column conditional formatting shall be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">lastColumn</a>	<p><a href="#">Specifies that the last column conditional formatting shall be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">noHBand</a>	<p><a href="#">Specifies that the horizontal banding conditional formatting shall not be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">noVBand</a>	<p><a href="#">Specifies that the vertical banding conditional formatting shall not be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">val (Two-Digit Hexadecimal Value)</a>	<p><del>Specifies a value specified as a two digit hexadecimal number, whose contents are interpreted based on the context of the parent XML element.</del></p> <p><del>[Example: Consider the following WordprocessingML fragment:</del></p> <pre data-bbox="444 1167 894 1262"><del>&lt;w:tblPr&gt;   &lt;w:tblLook w:val="0010" /&gt; &lt;/w:tblPr&gt;</del></pre> <p><del>The value of 0010 is interpreted in the context of the parent element. end example]</del></p> <p><del>The possible values for this attribute are defined by the ST_ShortHexNumber simple type (§<a href="#">Error! No se encuentra el origen de la referencia.</a>).</del></p>

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

```

2 <complexType name="CT_TblLook">
3   <attribute name="firstRow" type="ST_OnOff"/>
4   <attribute name="lastRow" type="ST_OnOff"/>
5   <attribute name="firstColumn" type="ST_OnOff"/>
6   <attribute name="lastColumn" type="ST_OnOff"/>
7   <attribute name="noHBand" type="ST_OnOff"/>
8   <attribute name="noVBand" type="ST_OnOff"/>
9 </complexType>
```

```
1 <complexType name="CT_ShortHexNumber">
2   <attribute name="val" type="ST_ShortHexNumber" use="required"/>
3 </complexType>
```

## 2.4.52 tblLook (Table Style Conditional Formatting Settings Exception)

This element specifies the components of the conditional formatting of the referenced table style (if one exists) which shall be applied to the set of table rows with the current table-level property exceptions. A table style can specify up to six different optional conditional formats [*Example*: Different formatting for first column. *end example*], which then can be applied or omitted from individual table rows in the parent table.

~~This element's value is hexadecimal code containing a bitmask of options, interpreted as follows:~~

~~0x0020=Apply first row conditional formatting~~

~~0x0040=Apply last row conditional formatting~~

~~0x0080=Apply first column conditional formatting~~

~~0x0100=Apply last column conditional formatting~~

~~0x0200=Do not apply row banding conditional formatting~~

~~0x0400=Do not apply column banding conditional formatting~~

~~If omitted, the bitmask of table style options on the current table row shall be assumed to be the value specified on the table level properties.~~

The default setting is to apply the row and column banding formatting, but not the first row, last row, first column, or last column formatting.

[*Example*: Consider a table which shall use the following conditional formatting properties from the referenced table style:

First row conditional formatting

Last row conditional formatting

[No row banding formatting](#)

[No column banding formatting](#)

~~This table would then apply the following portions of the bitmask:~~

~~0x0020=Apply first row conditional formatting~~

~~0x0040=Apply last row conditional formatting~~

~~0x0200=Do not apply row banding conditional formatting~~

~~0x0400=Do not apply column banding conditional formatting~~

The resulting WordprocessingML would be specified as follows:

```

1 <w:tblPrEx>
2   <w:tblLook w:firstRow="true" w:lastRow="true" w:noHBand="true"
3   w:noVBand="true" w:val="0660"/>
4 </w:tblPrEx>

```

5 The tblLook element specifies a bitmask ~~which determines the~~ components of the table style [are](#)  
6 applied to the current table. *end example*]

Parent Elements
tblPrEx (§2.4.57); tblPrEx (§2.4.58)

7

Attributes	Description
<a href="#">firstRow</a>	<p><a href="#">Specifies that the first row conditional formatting shall be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">lastRow</a>	<p><a href="#">Specifies that the last row conditional formatting shall be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">firstColumn</a>	<p><a href="#">Specifies that the first column conditional formatting shall be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">lastColumn</a>	<p><a href="#">Specifies that the last column conditional formatting shall be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">noHBand</a>	<p><a href="#">Specifies that the horizontal banding conditional formatting shall not be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">noVBand</a>	<p><a href="#">Specifies that the vertical banding conditional formatting shall not be applied to the table.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<del>val (Two Digit Hexadecimal Value)</del>	<p><del>Specifies a value specified as a two digit hexadecimal number), whose contents are interpreted based on the context of the parent XML element.</del></p> <p><del>[Example: Consider the following WordprocessingML fragment:</del></p> <p><del>&lt;w:tblPr&gt;</del></p>

Attributes	Description
	<p><del>—&lt;w:tblLook w:val="0010" /&gt; &lt;/w:tblPr&gt;</del></p> <p>The value of 0010 is interpreted in the context of the parent element. <i>end example</i></p> <p>The possible values for this attribute are defined by the ST_ShortHexNumber simple type (<del>§1</del><b>Error! No se encuentra el origen de la referencia.</b>).</p>

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

```

2 <complexType name="CT_TblLook">
3   <attribute name="firstRow" type="ST_OnOff"/>
4   <attribute name="lastRow" type="ST_OnOff"/>
5   <attribute name="firstColumn" type="ST_OnOff"/>
6   <attribute name="lastColumn" type="ST_OnOff"/>
7   <attribute name="noHBand" type="ST_OnOff"/>
8   <attribute name="noVBand" type="ST_OnOff"/>
9 </complexType>
10 <complexType name="CT_ShortHexNumber">
11   <attribute name="val" type="ST_ShortHexNumber" use="required"/>
12 </complexType>

```

13

#### 14 2.15.1.86 stylePaneFormatFilter (Suggested Filtering for List of Document Styles)

15 This element specifies a set of suggested filters which should be applied to the list of document styles in  
16 this application if the styles are displayed in a user interface.

17 The val attribute of this element contains a bitmask of the following filtering options:

Value	Description
0x0001	Specifies that all styles present in the styles part should be displayed in the list of document styles.
0x0002	Specifies that only styles with the customStyle attribute should be displayed in the list of document styles.
0x0004	Specifies that all latent styles should be displayed in the list of document styles.
0x0008	Specifies that only styles used in the document should be displayed in the list of document styles.
0x0010	Undefined. Shall not be used.
0x0020	Specifies that heading styles (styles with a styleId of Heading1 to Heading9) should be displayed in the list of document styles when the previous style is used in the document and/or is present in the styles part.
0x0040	Specifies that numbering styles should be displayed in the list of document styles.
0x0080	Specifies that table styles should be displayed in the list of document styles.
0x0100	Specifies that all unique forms of run-level direct formatting should be displayed in the list

Value	Description
	of document styles as though they were each a unique style.
0x0200	Specifies that all unique forms of paragraph-level direct formatting should be displayed in the list of document styles as though they were each a unique style.
0x0400	Specifies that all unique forms of direct formatting of numbering data should be displayed in the list of document styles as though they were each a unique style.
0x0800	Specifies that all unique forms of direct formatting of tables should be displayed in the list of document styles as though they were each a unique style.
0x1000	Specifies that a style should be present which removes all formatting and styles from text.
0x2000	Specifies that heading styles with a styleId of Heading1 to Heading3 should always be displayed in the list of document styles.
0x4000	Specifies that styles should only be shown the semiHidden element ( <del>§¡Error! No se encuentra el origen de la referencia.</del> ) is false and the hidden element ( <del>§¡Error! No se encuentra el origen de la referencia.</del> ) is false.
0x8000	Specifies that primary names for styles should not be shown if an alternate name using the name element ( <del>§¡Error! No se encuentra el origen de la referencia.</del> ) exists.
Any other value	Undefined. Shall not be used.

1

2 If this element is omitted, then all settings defined by this element are turned off.

3 [Example: Consider a document with the following value in its document settings:

4 `<w:stylePaneFormatFilter w:customStyles="true" w:top3HeadingStyles="true"`  
5 `w:val="2002"/>`

6 The stylePaneFormatFilter element's settings specify two suggested filter options for the list of  
7 document styles:

8 Only custom styles should be shown (0002)

9 Heading styles with a styleId of Heading1 to Heading3 should always be displayed in the list (2000)

10 end example]

Parent Elements
settings ( <del>§¡Error! No se encuentra el origen de la referencia.</del> )

11

Attributes	Description
<a href="#">allStyles (Display All Style)</a>	Specifies that all styles present in the styles part should be displayed in the list of document styles.  <a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a>
<a href="#">customStyles (Display Custom</a>	Specifies that only styles with the customStyle attribute should be

Attributes	Description
<a href="#">Styles</a>	<p><a href="#">displayed in the list of document styles.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">latentStyles (Display Latent Styles)</a>	<p><a href="#">Specifies that all latent styles should be displayed in the list of document styles.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">stylesInUse (Display Styles in Use)</a>	<p><a href="#">Specifies that only styles used in the document should be displayed in the list of document styles.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">headingStyles (Display Heading Styles)</a>	<p><a href="#">Specifies that heading styles (styles with a styleId of <a href="#">Heading1</a> to <a href="#">Heading9</a>) should be displayed in the list of document styles when the previous style is used in the document and/or is present in the styles part.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">numberingStyles (Display Numbering Styles)</a>	<p><a href="#">Specifies that numbering styles should be displayed in the list of document styles.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">tableStyles (Display Table Styles)</a>	<p><a href="#">Specifies that table styles should be displayed in the list of document styles.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">directFormattingOnRuns (Display Run Level Direct Formatting)</a>	<p><a href="#">Specifies that all unique forms of run-level direct formatting should be displayed in the list of document styles as though they were each a unique style.</a></p> <p><a href="#">The possible values for this attribute are defined by the ST_OnOff simple type (§2.18.67).</a></p>
<a href="#">directFormattingOnParagraphs (Display Paragraph Level Direct Formatting)</a>	<p><a href="#">Specifies that all unique forms of paragraph-level direct formatting should be displayed in the list of document styles as though they were each a unique style.</a></p>

Attributes	Description
	<p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">directFormattingOnNumbering</a> (Display Direct Formatting on Numbering Data)</p>	<p>Specifies that all unique forms of direct formatting of numbering data should be displayed in the list of document styles as though they were each a unique style.</p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">directFormattingOnTables</a> (Display Direct Formatting on Tables)</p>	<p>Specifies that all unique forms of direct formatting of tables should be displayed in the list of document styles as though they were each a unique style.</p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">clearFormatting</a> (Display Styles to Remove Formatting)</p>	<p>Specifies that a style should be present which removes all formatting and styles from text.</p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">top3HeadingStyles</a> (Display Heading 1 through 3)</p>	<p>Specifies that heading styles with a styleId of <code>Heading1</code> to <code>Heading3</code> should always be displayed in the list of document styles.</p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">visibleStyles</a> (Only Show Visible Styles)</p>	<p>Specifies that styles should only be shown if the <code>semiHidden</code> element (§2.7.3.16) is <code>false</code> and the <code>hidden</code> element (§2.7.3.4) is <code>false</code>.</p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><a href="#">alternateStyleNames</a> (Use the Alternate Style Name)</p>	<p>Specifies that primary names for styles should not be shown if an alternate name using the <code>name</code> element (§2.7.3.9) exists.</p> <p>The possible values for this attribute are defined by the <a href="#">ST_OnOff</a> simple type (§2.18.67).</p>
<p><code>val</code> (Two-Digit Hexadecimal Value)</p>	<p>Specifies a value specified as a two-digit hexadecimal number, whose contents are interpreted based on the context of the parent XML element.</p> <p><i>Example:</i> Consider the following WordprocessingML fragment:</p> <pre>&lt;w:tblPr&gt;   &lt;w:tblLook w:val="0010" /&gt; &lt;/w:tblPr&gt;</pre>

Attributes	Description
	<p>The value of 0010 is interpreted in the context of the parent element. <i>end example</i></p> <p>The possible values for this attribute are defined by the ST_ShortHexNumber simple type (<del>§2.8.2.13</del> <b>Error! No se encuentra el origen de la referencia.</b>).</p>

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

```

2 <complexType name="CT_TblLook">
3   <attribute name="allStyles" type="ST_OnOff"/>
4   <attribute name="customStyles" type="ST_OnOff"/>
5   <attribute name="latentStyles" type="ST_OnOff"/>
6   <attribute name="stylesInUse" type="ST_OnOff"/>
7   <attribute name="headingStyles" type="ST_OnOff"/>
8   <attribute name="numberingStyles" type="ST_OnOff"/>
9   <attribute name="tableStyles" type="ST_OnOff"/>
10  <attribute name="directFormattingOnRuns" type="ST_OnOff"/>
11  <attribute name="directFormattingOnParagraphs" type="ST_OnOff"/>
12  <attribute name="directFormattingOnNumbering" type="ST_OnOff"/>
13  <attribute name="directFormattingOnTables" type="ST_OnOff"/>
14  <attribute name="clearFormatting" type="ST_OnOff"/>
15  <attribute name="top3HeadingStyles" type="ST_OnOff"/>
16  <attribute name="visibleStyles" type="ST_OnOff"/>
17  <attribute name="alternateStyleNames" type="ST_OnOff"/>
18 </complexType>
19 <complexType name="CT_ShortHexNumber">
20   <attribute name="val" type="ST_ShortHexNumber" use="required"/>
21 </complexType>

```

22  
23

## 24 Remaining Bitfields

25 It was important to the design goals of Office Open XML that when possible, existing standards be used  
26 without modification. This is apparent from the use of bitfields in Part 4, §2.8.2.13 and §2.8.2.16, both of  
27 which contain values defined in ISO/IEC 14496-22:2007. We believe that it would be inappropriate to  
28 redefine the syntax of values already defined in an existing ISO/IEC Standard – therefore, these values  
29 are stored in the “bitfield” form defined by that Standard.

30 It was also important that compactness be a part of the design of Office Open XML, which is a common  
31 design goal, even within XML-based standards. For example, the XSLT standard itself uses XPath as an  
32 attribute value. XPath is frequently used in many contexts (the elements to which an XSLT template is  
33 applied (e.g. <xsl:template match="para[last()=1]" >), the elements to which a unique constant is  
34 enforced, etc.). However, the XPath expression itself is a string (e.g. “para[last()=1]”), as is explicitly

1 noted in §1 of the XPath specification: *“XPath uses a compact, non-XML syntax to facilitate use of XPath*  
2 *within URIs and XML attribute values.”*

3 Consider that 196 individual attributes would have been required to properly represent the value space  
4 of the data stored in the six attributes in §2.8.2.16, which would likely increase the complexity for both  
5 producers and consumers (as 196 similarly-named attributes would be easily confused). It is also  
6 inconsistent with the goal of human readability.

7 It was important that the resulting XML be processed easily using a wide range of tools – from XSLT to  
8 programming languages like Java or C++.