#### [row](row.docx) (Row)

The element expresses information about an entire [row](row.docx) of a [worksheet](worksheet.docx), and contains all [cell](cell.docx) definitions for a particular [row](row.docx) in the worksheet.

[Example:

This [row](row.docx) expresses information about [row](row.docx) 2 in the [worksheet](worksheet.docx), and contains 3 [cell](cell.docx) definitions.

<[row](row.docx) [r](r.docx)="2" spans="2:12">  
 <[c](c.docx) [r](r.docx)="C2" s="1">  
 <[f](f.docx)>PMT(B3/12,B4,-B5)</[f](f.docx)>  
 <[v](v.docx)>672.68336574300008</[v](v.docx)>  
 </[c](c.docx)>

<[c](c.docx) [r](r.docx)="D2">  
 <[v](v.docx)>180</[v](v.docx)>  
 </[c](c.docx)>

<[c](c.docx) [r](r.docx)="E2">  
 <[v](v.docx)>360</[v](v.docx)>  
 </[c](c.docx)>  
</[row](row.docx)>

end example]

|  |
| --- |
| Parent Elements |
| [sheetData](sheetData.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [c](c.docx) (Cell) | § |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| collapsed (Collapsed) | '1' if the rows 1 level of outlining deeper than the current [row](row.docx) are in the collapsed [outline](outline.docx) state. It means that the rows which are 1 [outline](outline.docx) level deeper (numerically higher value) than the current [row](row.docx) are currently hidden due to a collapsed [outline](outline.docx) state.  It is possible for collapsed to be false and yet still have the rows in question hidden. This can be achieved by having a lower [outline](outline.docx) level collapsed, thus hiding all the child rows.  [Example:  This example shows 3 levels of outlining:    In the XML shall be:  <[sheetData](sheetData.docx)>  <[row](row.docx) [r](r.docx)="6" outlineLevel="3"/>  <[row](row.docx) [r](r.docx)="7" outlineLevel="3"/>  <[row](row.docx) [r](r.docx)="8" outlineLevel="2"/>  <[row](row.docx) [r](r.docx)="9" outlineLevel="1"/> </[sheetData](sheetData.docx)>  end example]  [Example:  This example shows the same [outline](outline.docx) feature, with the middle level collapsed:    In the XML shall be:  <[sheetData](sheetData.docx)>  <[row](row.docx) [r](r.docx)="6" hidden="1" outlineLevel="3"/>  <[row](row.docx) [r](r.docx)="7" hidden="1" outlineLevel="3"/>  <[row](row.docx) [r](r.docx)="8" hidden="1" outlineLevel="2"/>  <[row](row.docx) [r](r.docx)="9" outlineLevel="1" collapsed="1"/> </[sheetData](sheetData.docx)>  end example]  [Example:  This example shows the same [outline](outline.docx) feature as above, where both the middle and lowest level are collapsed:    In the XML shall be:  <[sheetData](sheetData.docx)>  <[row](row.docx) [r](r.docx)="6" hidden="1" outlineLevel="3"/>  <[row](row.docx) [r](r.docx)="7" hidden="1" outlineLevel="3"/>  <[row](row.docx) [r](r.docx)="8" hidden="1" outlineLevel="2"/>  <[row](row.docx) [r](r.docx)="9" hidden="1" outlineLevel="1" collapsed="1"/>  <[row](row.docx) [r](r.docx)="10" collapsed="1"/> </[sheetData](sheetData.docx)>  Note that in this case, if the lowest level were expanded, the middle level would remain collapsed due to collapsed being true on [row](row.docx) 9.  end example]  See description of [outlinePr](outlinePr.docx) element's summaryBelow and summaryRight attributes for detailed information.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| customFormat (Custom Format) | '1' if the [row](row.docx) style should be applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| customHeight (Custom Height) | '1' if the [row](row.docx) height has been manually set.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| hidden (Hidden) | '1' if the [row](row.docx) is hidden, e.g., due to a collapsed [outline](outline.docx) or by manually selecting and hiding a row.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| ht (Row Height) | Row height measured in point size. There is no margin padding on [row](row.docx) height.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) double datatype. |
| outlineLevel (Outline Level) | Outlining level of the [row](row.docx), when outlining is on. See description of [outlinePr](outlinePr.docx) element's summaryBelow and summaryRight attributes for detailed information.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedByte datatype. |
| ph (Show Phonetic) | '1' if the [row](row.docx) should show phonetic.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| [r](r.docx) (Row Index) | Row index. Indicates to which [row](row.docx) in the [sheet](sheet.docx) this <[row](row.docx)> definition corresponds.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| [s](s.docx) (Style Index) | Index to style record for the [row](row.docx) (only applied if customFormat attribute is '1')  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| spans (Spans) | Optimization only, and not required. Specifies the range of non-empty columns (in the [format](format.docx) X:Y) for the block of rows to which the current [row](row.docx) belongs. To achieve the optimization, span attribute values in a single block should be the same.  There are 16 rows per block, beginning with the first row.  Note: this is an optimization, and is purely optional. Different span values within the same [row](row.docx) block is allowed. Not writing the span value at all is also allowed.  Blank rows are not required to write out span values.  For example, if cells F8, E9, and D10 have data in them and the rest of the [sheet](sheet.docx) is empty, then for those three rows (8,9, and 10), the spans value should each be "4:6":  <[sheetData](sheetData.docx)>  <[row](row.docx) [r](r.docx)="8" spans="4:6">  <[c](c.docx) [r](r.docx)="F8">  <[v](v.docx)>1</[v](v.docx)>  </[c](c.docx)>  </[row](row.docx)>  <[row](row.docx) [r](r.docx)="9" spans="4:6">  <[c](c.docx) [r](r.docx)="E9">  <[v](v.docx)>2</[v](v.docx)>  </[c](c.docx)>  </[row](row.docx)>  <[row](row.docx) [r](r.docx)="10" spans="4:6">  <[c](c.docx) [r](r.docx)="D10">  <[v](v.docx)>3</[v](v.docx)>  </[c](c.docx)>  </[row](row.docx)> </[sheetData](sheetData.docx)>  For example, if cells A1 and J10 have data in them and the rest of the [sheet](sheet.docx) is empty, then the rows should be written like this:  <[sheetData](sheetData.docx)>  <[row](row.docx) [r](r.docx)="1" spans="1:10">  <[c](c.docx) [r](r.docx)="A1">  <[v](v.docx)>1</[v](v.docx)>  </[c](c.docx)>  </[row](row.docx)>  <[row](row.docx) [r](r.docx)="10" spans="1:10">  <[c](c.docx) [r](r.docx)="J10">  <[v](v.docx)>2</[v](v.docx)>  </[c](c.docx)>  </[row](row.docx)> </[sheetData](sheetData.docx)>  The possible values for this attribute are defined by the [ST\_CellSpans](ST_CellSpans.docx) simple type (§). |
| thickBot (Thick Bottom) | '1' if any [cell](cell.docx) in the [row](row.docx) has a medium or thick bottom [border](border.docx), or if any [cell](cell.docx) in the [row](row.docx) directly below the current [row](row.docx) has a thick top border. When true and customHeight is false, this flag means that the [row](row.docx) height has been adjusted higher by .75 points of the normal style font height. This also means that if the [row](row.docx) no longer contains these [borders](borders.docx), then the height is automatically re-adjusted down.  This adjustment is in addition to any adjustment of height due to thickTop.  Medium [borders](borders.docx) are these enumeration values from the [Styles](Styles.docx) Part:   * mediumDashDotDot * slantDashDot * mediumDashDot * mediumDashed * medium   Thick [borders](borders.docx) are these enumeration values from the [Styles](Styles.docx) Part:   * thick * double   The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| thickTop (Thick Top Border) | True if the [row](row.docx) has a medium or thick top [border](border.docx), or if any [cell](cell.docx) in the [row](row.docx) directly above the current [row](row.docx) has a thick bottom border. When true and customHeight is false, this flag means that the [row](row.docx) height has been adjusted higher by .75 points of the normal style font height. This also means that if the [row](row.docx) no longer contains these [borders](borders.docx), then the height is automatically re-adjusted down.  This adjustment is in addition to any adjustment of height due to thickBot.  Medium [borders](borders.docx) are these enumeration values from the [Styles](Styles.docx) Part:   * mediumDashDotDot * slantDashDot * mediumDashDot * mediumDashed * medium   Thick [borders](borders.docx) are these enumeration values from the [Styles](Styles.docx) Part:   * thick * double   The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |

The following XML [Schema](Schema.docx) fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_Row">

<sequence>

<element name="[c](c.docx)" type="CT\_Cell" minOccurs="0" maxOccurs="unbounded"/>

<element [name](name.docx)="[extLst](extLst.docx)" minOccurs="0" type="CT\_ExtensionList"/>

</sequence>

<attribute [name](name.docx)="[r](r.docx)" type="xsd:unsignedInt" use="optional"/>

<attribute [name](name.docx)="spans" type="[ST\_CellSpans](ST_CellSpans.docx)" use="optional"/>

<attribute name="s" type="xsd:unsignedInt" use="optional" default="0"/>

<attribute name="customFormat" type="xsd:boolean" use="optional" default="false"/>

<attribute [name](name.docx)="ht" type="xsd:double" use="optional"/>

<attribute name="hidden" type="xsd:boolean" use="optional" default="false"/>

<attribute name="customHeight" type="xsd:boolean" use="optional" default="false"/>

<attribute name="outlineLevel" type="xsd:unsignedByte" use="optional" default="0"/>

<attribute name="collapsed" type="xsd:boolean" use="optional" default="false"/>

<attribute name="thickTop" type="xsd:boolean" use="optional" default="false"/>

<attribute name="thickBot" type="xsd:boolean" use="optional" default="false"/>

<attribute name="ph" type="xsd:boolean" use="optional" default="false"/>

</complexType>