### gridCol (Grid Column Definition)

This element specifies the presence and details about a single grid column within a [table](table.docx) grid. A grid column is a logical column in a [table](table.docx) used to specify the presence of a shared vertical edge in the table. When [table](table.docx) cells are then added to this [table](table.docx), these shared edges (or grid columns, looking at the column [between](between.docx) those shared edges) determine how [table](table.docx) cells are placed into the [table](table.docx) grid.

[Example: If a [table](table.docx) row specifies that it is preceded by two grid columns, then it would [start](start.docx) on the third vertical edge in the [table](table.docx) including edges which are not shared by all columns. end example]

If the [table](table.docx) grid does not match the requirements of one or more rows in the [table](table.docx) (i.e. it does not define enough grid columns), then the grid may be redefined as needed when the [table](table.docx) is processed.

[Example: Consider the following, more complex [table](table.docx) that has two rows and two columns; as shown, the columns are not aligned:

|  |  |  |
| --- | --- | --- |
|  | |  |
|  |  | |

This [table](table.docx) is represented by laying out the cells on a [table](table.docx) grid consisting of three [table](table.docx) grid columns as follows, each grid column representing a logical vertical column in the table:

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |

The dashed lines represent the virtual vertical continuations of each [table](table.docx) grid column, and thus resulting [table](table.docx) grid is represented as the following in WordprocessingML:

<w:[tblGrid](tblGrid.docx)>

<w:gridCol w:[w](w.docx)="5051" />

<w:gridCol w:[w](w.docx)="3008" />

<w:gridCol w:[w](w.docx)="1531" />

</w:[tblGrid](tblGrid.docx)>

end example]

|  |
| --- |
| Parent Elements |
| [tblGrid](tblGrid.docx) (§); [tblGrid](tblGrid.docx) (§) |

|  |  |
| --- | --- |
| Attributes | Description |
| [w](w.docx) (Grid Column Width) | Specifies the width of this grid column.  [Note: This value does not solely determine the actual width of the resulting grid column in the document. When the [table](table.docx) is displayed in a document, these widths determine the initial width of each grid column, which may then be overridden by:   * The [table](table.docx) layout algorithm (§;§) applied to the current [table](table.docx) row(s) * The preferred widths of specific cells which are part of that grid column as the [table](table.docx) is displayed (which is an input to the algorithm above)   end note]  This value is specified in twentieths of a point.  If this attribute is omitted, then the last saved width of the grid column is assumed to be zero.  [Example: Consider the following [table](table.docx) grid definition:  <w:[tblGrid](tblGrid.docx)>  <w:gridCol w:[w](w.docx)="6888"/>  <w:gridCol w:[w](w.docx)="248"/>  <w:gridCol w:[w](w.docx)="886"/>  <w:gridCol w:[w](w.docx)="1554"/>  </w:[tblGrid](tblGrid.docx)>  This [table](table.docx) grid specifies four grid columns, each of which has an initial size of 6888 twentieths of a point, 248 twentieths of a point, 886 twentieths of a point, and 1554 twentieths of a point respectively. end example]  The possible values for this attribute are defined by the [ST\_TwipsMeasure](ST_TwipsMeasure.docx) simple [type](type.docx) (§). |

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

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

<attribute [name](name.docx)="[w](w.docx)" [type](type.docx)="[ST\_TwipsMeasure](ST_TwipsMeasure.docx)"/>

</complexType>