#### [c](c.docx) (Cell)

This collection represents a [cell](cell.docx) in the worksheet. Information about the cell's [location](location.docx) (reference), value, data type, formatting, and [formula](formula.docx) is expressed here.

[Example: This example shows the information stored for a [cell](cell.docx) whose address in the grid is C6, whose style index is '6', and whose value [metadata](metadata.docx) index is '15'. The [cell](cell.docx) contains a [formula](formula.docx) as well as a calculated result of that formula.

<[c](c.docx) [r](r.docx)="C6" s="1" vm="15">  
 <[f](f.docx)>CUBEVALUE("xlextdat9 Adventure Works",C$5,$A6)</[f](f.docx)>  
 <[v](v.docx)>2838512.355</[v](v.docx)>  
</[c](c.docx)>

end example]

While a [cell](cell.docx) can have a [formula](formula.docx) element [f](f.docx) and a value element [v](v.docx), when the cell's type [t](t.docx) is inlineStr then only the element is is allowed as a child element.

[Example:

Here is an example of expressing a string in the [cell](cell.docx) rather than using the shared string table.

<[row](row.docx) [r](r.docx)="1" spans="1:1">  
 <[c](c.docx) [r](r.docx)="A1" [t](t.docx)="inlineStr">  
 <is><[t](t.docx)>This is inline string example</[t](t.docx)></is>  
 </[c](c.docx)>  
</[row](row.docx)>

end example]

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

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |
| [f](f.docx) (Formula) | § |
| [is](is.docx) (Rich Text Inline) | § |
| [v](v.docx) (Cell Value) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| cm (Cell [Metadata](Metadata.docx) Index) | The zero-based index of the [cell](cell.docx) [metadata](metadata.docx) record associated with this cell. [Metadata](Metadata.docx) information is found in the [Metadata](Metadata.docx) Part. Cell [metadata](metadata.docx) is extra information stored at the [cell](cell.docx) level, and is attached to the [cell](cell.docx) (travels through moves, copy / paste, clear, etc). Cell [metadata](metadata.docx) is not accessible via [formula](formula.docx) reference.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| ph (Show Phonetic) | A Boolean value indicating if the spreadsheet application should show phonetic information. Phonetic information is displayed in the same [cell](cell.docx) across the top of the [cell](cell.docx) and serves as a 'hint' which indicates how the text should be pronounced. This should only be used for East Asian languages.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| [r](r.docx) (Reference) | An A1 style [reference](reference.docx) to the [location](location.docx) of this [cell](cell.docx)  The possible values for this attribute are defined by the [ST\_CellRef](ST_CellRef.docx) simple type (§). |
| [s](s.docx) (Style Index) | The index of this cell's style. Style records are stored in the [Styles](Styles.docx) Part.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| [t](t.docx) (Cell Data Type) | An enumeration representing the cell's data type.  The possible values for this attribute are defined by the [ST\_CellType](ST_CellType.docx) simple type (§). |
| vm (Value [Metadata](Metadata.docx) Index) | The zero-based index of the value [metadata](metadata.docx) record associated with this cell's value. [Metadata](Metadata.docx) records are stored in the [Metadata](Metadata.docx) Part. Value [metadata](metadata.docx) is extra information stored at the [cell](cell.docx) level, but associated with the value rather than the [cell](cell.docx) itself. Value [metadata](metadata.docx) is accessible via [formula](formula.docx) reference.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |

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

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

<sequence>

<element name="[f](f.docx)" type="CT\_CellFormula" minOccurs="0" maxOccurs="1"/>

<element name="[v](v.docx)" type="[ST\_Xstring](ST_Xstring.docx)" minOccurs="0" maxOccurs="1"/>

<element name="is" type="CT\_Rst" minOccurs="0" maxOccurs="1"/>

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

</sequence>

<attribute [name](name.docx)="[r](r.docx)" type="[ST\_CellRef](ST_CellRef.docx)" use="optional"/>

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

<attribute name="[t](t.docx)" type="[ST\_CellType](ST_CellType.docx)" use="optional" default="[n](n.docx)"/>

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

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

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

</complexType>