

WordprocessingML Elements

Name	Description	Conditions
Numbering	A container element for list definitions and the assignments of a list id to a list definition.	Yes
NumId	Associates a list id with a particular list definition.	Yes
AbstractNumId	A container element for the definition of a list.	Yes
documentProperties	A container element for Office-related elements containing information and statistics about the document.	Yes
docPr	A container element for elements that set properties for the document as a whole.	Partially
Styles	A container element for the styles defined within the document.	Yes
Style	A container element that defines a specific style. Styles are referred to by other elements in the document using the styleId attribute.	Yes
Body	Contains the portion of the document that holds the text that will be displayed to the user.	Yes
P	A paragraph containing one or more runs.	Yes
R	A run of one or more t elements to be displayed with a consistent set of properties.	Yes
T	Contains the text to be displayed.	Yes
pPr	Container for paragraph properties. For the child elements,	Yes
Tabs	Container element holding tab elements that define tab stops for a paragraph or style.	Yes
Tab	Defines a single tab stop.	Yes
br	Inserts a break between t elements inside an r element. The type attribute controls what kind of break is inserted: "page", "column", or "text-wrapping" (the default).	Yes
tbl	A container element for a table.	Yes
tblPr	A container element for properties of a table.	Yes

tblPr	A container element for the elements that control the position of a floating table.	Yes
tr	A container element for the cells in a table that make up a table row.	Yes
trPr	A container element for the properties of a row in a table.	Yes
tc	Contains the content for one cell in a table.	Yes
tcPr	A container element for the properties for a cell in a table.	Yes
sectPr	A container element for the definition of the section of the document preceding the sectPr element.	Yes
fr	Container element in a sectPr element for the text to be displayed in the page footer.	Yes
hdr	Container element in a sectPr element for the text to be displayed in the page header.	Yes
titlePg	Used in the sectPr element to indicate that a separate header and footer for the first page of this section is allowed.	Yes
docSuppData	Container for VBA code.	Partially
binData	Child element of the docSuppData element. The binData element holds the binary representation of the VBA project.	Yes

Table 2. rPr Child Elements (Run Properties)

Element	Description	Definition	Support
rStyle	Character style for this run.	String. The character style is set in the styles section.	Yes
rFonts	Fonts for this run.	String. A font named in the fonts section, or "default", "fareast", or "cs".	Yes
b	Sets Latin and Asian characters to bold.	"on", "off"	Yes

b-cs	Sets complex scripts characters to bold.	"on", "off"	No
i	Sets Latin and Asian characters to italic.	"on", "off"	Yes
i-cs	Sets complex scripts characters to italic.	"on", "off"	No
caps	Formats lowercase text as capital letters (does not affect numbers, punctuation, non-alphabetic characters, or uppercase letters).	"on", "off"	Yes
smallcaps	Formats lowercase text as capital letters and reduces their size (does not affect numbers, punctuation, non-alphabetic characters, or uppercase letters).	"on", "off"	Yes
strike	Draws a line through the text.	"on", "off"	Yes
dstrike	Draws a double line through the text.	"on", "off"	No
outline	Displays the inner and outer borders of each character.	"on", "off"	No
shadow	Adds a shadow behind the text, beneath and to the right of the text.	"on", "off"	Yes
emboss	Makes text appear as if it is raised off the page in relief.	"on", "off"	Yes
imprint	Makes selected text appear to be imprinted or pressed into page (also referred to as "engrave").	"on", "off"	Yes
noproof	Formats the text so that spelling and grammar errors are ignored in this run.	"on", "off"	No
snapto grid	Sets the number of characters per line to match the number of characters specified in the docGrid element of the current section's properties.	"on", "off"	No
vanish	Prevents the text in this run from being displayed or printed.	"on", "off"	No
webHidden	Prevents the text in this run from being displayed when this document is saved as a Web page.	"on", "off"	No

color	Specifies either an automatic color or a hexadecimal color code for this run.	3-digit hexBinary or "auto"	Yes
spacing	The amount by which the spacing between characters is expanded or condensed.	Integer	Yes
w	Stretches or compresses text horizontally as a percentage of its current size.	Integer	No
kern	The smallest font size for which kerning should be automatically adjusted.	unsignedInt	No
position	The amount by which text should be raised or lowered in relation to the baseline.	Integer	Yes
sz	Font size for this Asian and Latin fonts in this run.	Integer	Yes
sz-cs	Font size for complex script fonts in this run.	Integer	No
highlight	Highlights text so it stands out from the surrounding text.	"on", "off"	Yes
u	Underline formatting for this run.	underlineValue	Yes
effect	Animated text effect for this run.	textEffectValues	No
bdr	Border for characters in this run.	borderValues	Yes
shd	Shading for characters in this run.	shdValues	Yes
fitText	Width of the space that this run fits into.	unsignedInt	No
vertAlign	Adjusts the vertical position of the text relative to the baseline and changes the font size if possible (to raise or lower the text without reducing the font size, use the 'Position' element).	"baseline", "superscript", or "subscript"	Yes
rtl	Sets the alignment and reading order for this run to right-to-left.	"on", "off"	Yes
cs	True if text in this run is complex scripts text.	"on", "off"	No
em	Sets the type of emphasis mark for this run.	"none", "dot", "comma", "circle", or "under-dot"	No

hyphen	Hyphenation style for this run.	String	No
lang	Languages for this run.	2-digit hexBinary or a string	Yes
asianLayout	Special Asian layout formatting properties.	See the schema.	No
specVansh	Property that makes text in this run always hidden.	"on", "off"	No

Table 3. pPr Child Elements (Paragraph Properties)

Element	Description	Definition	Support
pStyle	Paragraph style.	String (a style defined in the styles element of the document).	Yes
keepNext	Keep with next paragraph: Prevents a page break between this paragraph and the next.	"on", "off"	Yes
keepLines	Keep lines together: Prevents a page break in this paragraph.	"on", "off"	Yes
pageBreakBefore	Forces a page break before this paragraph.	"on", "off"	Yes
framePr	Text frame and drop cap properties.	FramePrProperty	Yes
widowControl	Prevents word from printing the last line of a paragraph by itself at the top of the page (widow) or the first line of a paragraph at the bottom of a page (orphan).	"on", "off"	Yes
numPr	List properties.		Yes
supressLineNumbers	Prevents line numbers from appearing next to the paragraph. This setting has no effect in documents or sections with no line numbers.	"on", "off"	No
pBdr	Borders for the paragraph.	pBdrElt	No
shd	Paragraph shading.	ShdValues	Yes
tabs	A container holding a list of tab elements.	tabsElt	Yes

suppressAutoHyphens	Prevents automatic hyphenation.	"on", "off"	No
bidirectional	Sets the alignment and reading order for a paragraph to right-to-left.	"on", "off"	Yes
adjustRightIndent	Automatically adjusts the right indent when you are using the document grid.	"on", "off"	No
snapToGrid	Aligns text to document grid (when defined).	"on", "off"	No
spacing	Spacing between lines and paragraphs.	Two attributes: before , after . Each contains spacing distance in twips.	Partially
indent	Paragraph indentation.	Integer (twips)	Yes
contextualSpacing	Don't add space between paragraphs of the same style.	"on", "off"	No
suppressOverlap	Don't allow this frame to overlap.	"on", "off"	No
justify	Paragraph alignment.	"left", "right", "center", "both", "medium-kashida", "distribute", "list-tab", "high-kashida", "low-kashida", "thai-distribute"	Yes
textDirection	Orientation for the paragraph in the current cell, text box, or text frame.	"lr-tb", "tb-rl", "bt-lr", "lr-tb-v", "tb-rl-v"	No
outlineLevel	Outline level.	Integer	No
divId	ID of HTML DIV element this paragraph is currently in.	Integer	No
rPr	Run properties for the paragraph mark.	Properties for all r elements within this p element	Yes

sectPr	Section properties for the section that terminates at this paragraph mark.	Contains the properties for the section. Appears in the last paragraph in the section.	Yes
kinsoku	Asian typography: Use East Asian typography and line-breaking rules to determine which characters begin and end a line on a page.	"on", "off"	No
wordWrap	Asian typography: Allows a line to break in the middle of a Latin word.	"on", "off"	No
overflowPunct	Asian typography: Allows punctuation to continue one character beyond the alignment of other lines in the paragraph. If you do not use this option, all lines and punctuation must be perfectly aligned.	"on", "off"	No
topLinePunct	Asian typography: Allows punctuation to compress at the start of a line, which lets subsequent characters move in closer.	"on", "off"	No
autoSpaceDE	Asian typography: Automatically adjusts character spacing between East Asian and Latin text.	"on", "off"	No
autoSpaceDN	Asian typography: Automatically adjusts character spacing between East Asian text and numbers.	"on", "off"	No
textAlignment	Asian typography: Determines the vertical alignment of all text in a line.	"top", "center", "baseline", "bottom", "auto"	No

Table 4. sectPr Child Elements (Section Properties)

Element	Description	Definition	Support
hdr	Headers that appear at the top page in this section.	hdrElt	Yes
ftr	Footers that appear at the bottom of the page in this section.	ftrElt	Yes
footnotePr	Footnote properties for this section.	ftnEdnPropsElt	Partially
endnotePr	Endnote properties for this section.	ftnEdnPropsElt	No
type	Section type.	sectTypeElt	Yes
pgSz	Specifies the size and orientation of this page.	pageSzType	Yes
pgMar	Specifies the page margins.	pageMarType	Yes
paperSrc	Specifies where the paper is located in the printer.	paperSourceType	No
pgBorders	Specifies the page borders.	pageBordersType	Yes
InNumType	Specifies the line numbering.	lineNumberType	No
pgNumType	Specifies the page numbering options.	pageNumberType	Partially
cols	Specifies the column properties for this section.	columnsType	Partially
formProt	Turns form protection on for this section alone.	"on", "off"	No
vAlign	Sets alignment for text vertically between the top and bottom margins.	"top", "center", "both", "bottom"	No
noEndnote	Suppresses endnotes that would ordinarily appear at the end of this section.	"on", "off"	No
titlePg	Specifies that the first page of this section is different and will have different headers and footers.	"on", "off"	Yes

textFlow	Specifies text flow.	"lr-tb", "tb-rl", "bt-lr", "lr-tb-v", "tb-rl-v"	No
bidirectional	Specifies that this section contains bidirectional (complex scripts) text.	"on", "off"	No
rtlGutter	Positions the gutter at the right of the document.	"on", "off"	Yes
docGrid	Specifies the type of document grid.	"default", "lines", "lines-and-chars", "snap-to-chars"	No

Table 5. style Element Attributes

Attribute	Description	Values	Support
type	Type of style.	"paragraph", "character", "table", "numbering"	Yes
styleId	Name used to refer to this style within XML. Unique within the file.	String	Yes
default	Specifies whether this style is the default for this type of style.	Integer	Yes

Table 6. style Child Elements (Style Definitions)

Element	Description	Definition	Support
name	Primary name of style; built-in style names are converted to a language-independent form.	String	No
aliases	Secondary names of style, separated by commas.	String	No
sti	Built-in style unique numerical identifier.	DecimalNumberProperty	No
basedOn	styleId (name of style) this style is based on.	String	Yes

next	styleId of the next-paragraph style; used only for paragraph styles.	String	No
link	styleId of the linked style; used only for linked paragraph and character styles.	StringProperty	No
hidden	Don't show this style to the user.	"on", "off"	No
semiHidden	Don't show this style to the user unless they request to see it.	"on", "off"	No
locked	This style is restricted for use by end user.	"on", "off"	No
rsidHex	Revision Save Id for this style: a unique identifier used to track when the style was last changed.	NumberProperty	No
pPrp	Paragraph properties for the style, if any.	See Table 3.	Yes
rPr	Character properties for the style, if any.	See Table 2.	Yes
tblPr	Table properties.	See Table 11.	Yes
trPr	Table row properties.	See Table 13.	Yes
tcPr	Table cell properties.	See Table 14.	Yes
tblStylePr	Conditional override properties for table styles.	tblStylePrElt	Partially

Table 7. tab Element Attributes

Attribute	Description	Values	Support
Val	The type of tab stop.	"clear", "left", "right", "center", "decimal", "bar", "num"	Partially
Leader	How empty space between tab stops is to be filled.	"none", "dot", "hyphen", "underscore", "heavy", "middle-dot"	Partially
Pos	Position of the tab stop from the left edge, in twips.	Integer	Yes

Table 8. WordprocessingML Auxiliary Elements and Attributes

Name	Description	Support
Elements		
Sect	An arbitrary section of a WordprocessingML document. The sect element encloses all text between inserted section breaks.	No
sub-section	A container for all elements at the same heading level. Recursive.	No
font	The font being used in the paragraph.	No
allowEmptyCollaps e	Hint to transforms to allow this paragraph to autocollapse if empty (for use with HTML).	No
font	The font that was actively applied by Word for display — use this font for transforms.	No
sym	Hint to transforms that this run resolves to a single symbol, described herein.	Yes
bgcolor	The background color applied at this point.	No
bdrwidth	The HTML equivalent of the border width, in points. This element takes into account different internal border styles and represents the appropriate final presentation width.	No
hintShdProperty	The HTML equivalent of the background color. This element takes into account various shading settings and represents the appropriate final presentation color.	No
t	The text Word displayed for this object.	Yes
uiName	The style name as shown to the user at save time, only exported if different than the name element's value.	No
Attributes		
wTab	Space between start of text at the tab stop and end of previous text.	Yes
Tlc	Type of leader to use before text at a tab stop.	Yes
cTlc	Number of dots in the leader used.	Yes

Table 10. Table-Related Elements

Element	Description	Support
tbl	Identifies a table.	Yes
tblPr	Container for table properties (see Table 11).	Yes
tblGrid	Container for column definitions (gridCol element).	Yes
gridCol	Defines a column's width in twips; the table will have one column for each gridCol element.	Yes
tr	A row in the table.	Yes
trPr	Container for properties for a row in the table (see Table 13).	Yes
tc	A cell within a row— can contain a paragraph, a tbl element, or a cfChunk element.	Yes
tcPr	Container for properties for a cell (see Table 14).	Yes

Table 11. tblPr Child Elements (Table Properties)

Element	Description	Definition	Support
tblStyle	The style applied to this table.	Name of a table style.	Yes
tblW	Preferred width of the table.	Integer	Yes
jc	Table alignment.	"left", "center", "right", "both", "medium-kashida", "distribute", "list-tab", "high-kashida", "low-kashida", "thai-distribute"	Partially
tblCellSpacing	HTML cellspacing attribute for the table (the spacing between individual cells).	Integer	Yes
tblInd	Width that the table should be indented by.	Integer	Yes
tblBorders	The border definitions for the table.	tblBordersElt	Yes
shd	Table shading; applies to the "cellspacing" gaps.	shdValues	Yes
tblLayout	Specifies whether the table is of fixed width. If not specified, the contents of the table will be taken in to account during layout.	"Fixed"	Yes
tblOverlap	Should this table avoid overlapping another table during layout? If this element is not specified, floating tables will be allowed to overlap.	"Never"	No
tblLook	What aspects of the table styles should be included?	Bitmask. 0x0020 (Apply header row formatting) 0x0040 (Apply last row formatting) 0x0080 (Apply header column formatting) 0x0100 (Apply last column formatting)	No

tblPr	Table-positioning properties (for floating tables).	tblPrElt (see Table 12)	Yes
tblCellMar	Cell margin defaults for this table's cells.	tblCellMarElt	Yes
tblRtl	Is this a right-to-left table? (Logical right-to-left, not visual right-to-left.) This element is used only to persist settings from Word 9.0/2000 and is not recommended for use. Use bidirectional instead.	"on", "off"	Yes
bidirectional	Is this not a logical right-to-left table? (Visual right-to-left, not logical right-to-left.)	"on", "off"	c
tblStyleRowBandSize	When a style specifies the format for a band (a contiguous set) of rows in a table, this element specifies the number of rows in a band.	Integer	Yes
tblStyleColBandSize	When a style specifies the format for a band (a contiguous set) of columns in a table, this element specifies the number of columns in a band.	Integer	Yes

Table 12. tblPr Child Elements (Table Positioning Properties)

Element	Description	Definition	Support
leftFromText	Distance between the left table border and the surrounding text (for wrapping tables).	Integer	No
rightFromText	Distance between the right table border and the surrounding text (for wrapping tables).	Integer	No
topFromText	Distance between the top table border and the surrounding text (for wrapping tables).	Integer	No

bottomFromText	Distance between bottom table border and the surrounding text (for wrapping tables).	Integer	No
vertAnchor	Defines how this table is vertically anchored.	"text", "margin", "page"	Yes
horzAnchor	Defines how this table is horizontally anchored.	"text", "margin", "page"	Yes
tblpXSpec	Horizontal alignment (for example, center, left, or right); overrides position set by other formatting options (for example, page layout settings).	"left", "center", "right", "inside", "outside"	Partially
tblpX	Horizontal distance from anchor.	Integer	Yes
tblpYSpec	Horizontal alignment (for example, top or bottom); overrides position set by other formatting options (for example, page layout settings).	"inline", "top", "center", "bottom", "inside", "outside"	Partially
tblpY	Vertical distance from anchor.	Integer	Yes

Table 13. trPr Child Elements (Table Row Properties)

Element	Description	Definition	Support
divId	Defines what HTML DIV element this row belongs within.	Integer	No
gridBefore	Number of grid units consumed before the first cell; assumed to be zero.	Integer	Yes
gridAfter	Number of grid units consumed after the last cell; assumed to be zero.	Integer	Yes
wBefore	Preferred width before the table row.	Integer	Yes
wAfter	Preferred width after the table row.	Integer	Yes
cantSplit	If specified, a page cannot split this row.	"on", "off"	Yes

trHeight	The height of this row.	val attribute: Height it twips h-rule attribute: "exact", "at-least"	Yes
tblHeader	If specified, this row belongs to the collection of "header" rows (which will repeat at the top of every page and will get any special header row formatting from the table style). If this row is not contiguously connected with the first row of the table (that is, if either it isn't the first row itself, or all of the rows between this row and the first row are marked as header rows), this property will be ignored.	"on", "off"	Yes

Table 14. tcPr Child Elements (Table Cell Properties)

Element	Description	Definition	Support
tcW	Preferred width for this cell.	Integer	Yes
gridSpan	Number of grid units this cell consumes -- assumed to be one.	Integer	Yes
Vmerge	Is this cell part of (or the beginning of) a vertically merged region?	"continue", "restart"	Yes
Hmerge	Is this cell part of (or the beginning of) a horizontally merged region?	"continue", "restart"	Yes
tcBorders	Defines the borders for this cell. Overrides the definitions given by the table borders.	tcBordersElt	Yes

shd	Underlying shading for this cell.	shdValues	Yes
noWrap	If present, specifies that the contents of this cell should never wrap.	"on", "off"	Yes
tcMar	Margins for this cell (maps to CSS padding property). Overrides any definitions given in table properties.	tcMarElt	Yes
textFlow	Defines the text flow for this cell.	"lr-tb": Left To Right; Top to Bottom; "tb-rl": Top to Bottom; Right to Left; "bt-lr": Bottom to Top; Left to Right; "lr-tb-v": Left to Right, Top to Bottom Rotated; "tb-rl-v": Top to Bottom; Right to Left Rotated	Partially
tcFitText	Causes text to be sized to fit in cell.	"on", "off"	No
vAlign	Vertical alignment.	"top", "center", "both", "bottom"	No

Table 15. abstractNumId Child Elements (Numbering Definitions)

Element	Description	Definition	Support
nsid	List id.	hexNumberProperty	Yes
multiLevelType	Description of the type of list.	"SingleLevel", "MultiLevel", "HybridMultiLevel"	No
tmpl	List template for formatting the list.	hexNumberProperty	No
name	Name of the list definition.	String	Yes

styleLink	Name of the list style defined in the styles element.	String	Yes
listStyleLink	Name of the list style that the list is referencing.	String	Yes
lvl	Container for level properties. An lvl element is required for each level in the list. Includes pPr , tabs , and rPr elements.	See Table 16.	Yes

Table 16. lvl Child Elements (List-Level Definitions)

Element	Description	Definition	Support
start	First number in numbering series for the list.	Integer	Yes
numFmt	Specifies the number style used for a list.	Integer (see Table 17)	Yes
lvlRestart	When present causes numbering to be restarted at 1.	Integer	Yes
pStyle	Name of a style as defined in the styles element.	String	Yes
isLgl	Is this level following "legal numbering" rules?	"on", "off"	No
lvlText	Text to use as a basis for the number of an item in the list.	String	Yes
suff	Text to follow the number of the item in the list.	"Tab", "Space", "Nothing"	No
lvlPicBulletId	The number of the built-in graphic to be used as the bullet for an item in the list.	Integer	Yes
legacy	List level is from Word 6.0/95 or earlier.	lvlLegacyElt	No
lvlJc	Justification of the actual number.	"left", "center", "right", "both"	Yes
pPr	The p element properties.	pPrElt (see Table 3)	Yes
rPr	The r element properties.	rPrElt (see Table 2)	Yes