#### [Numbering](Numbering.docx) in Paragraph [Styles](Styles.docx)

When a paragraph style references a [numbering](numbering.docx) definition and level which shall also be applied, that reference shall be done in a way slightly different from the typical [numbering](numbering.docx) reference as follows:

* When a [numbering](numbering.docx) reference is created as direct formatting, that reference consists of a reference to the [numbering](numbering.docx) definition instance + a [numbering](numbering.docx) level

[Example: Consider a numbered paragraph in a WordprocessingML document whose [numbering](numbering.docx) is a [result](result.docx) of direct formatting (formatting not from a style). This numbered paragraph may be represented using the following WordprocessingML:

<w:[p](p.docx)>  
 <w:[pPr](pPr.docx)>  
 <w:[numPr](numPr.docx)>  
 <w:[ilvl](ilvl.docx) w:val="0" />  
 <w:[numId](numId.docx) w:val="5" />  
 </w:[numPr](numPr.docx)>  
 </w:[pPr](pPr.docx)>  
 <w:[r](r.docx)>  
 <w:[t](t.docx)>Level one</w:[t](t.docx)>  
 </w:[r](r.docx)>  
</w:[p](p.docx)>

The [numPr](numPr.docx) element contains two pieces of information:

* The [numId](numId.docx) element (the [numbering](numbering.docx) definition instance referenced)
* The [ilvl](ilvl.docx) element (the level within that [numbering](numbering.docx) definition)

end example]

* When [numbering](numbering.docx) is done as part of a paragraph style, that reference consists of a reference to the [numbering](numbering.docx) definition only. The [numbering](numbering.docx) definition then in turn has a reference to the paragraph style on the level which shall be associated with this style

[Example: Consider a numbered paragraph in a WordprocessingML document whose [numbering](numbering.docx) is a [result](result.docx) of a paragraph style. This numbered paragraph may be represented using the following WordprocessingML:

<w:[p](p.docx)>  
 <w:[pPr](pPr.docx)>  
 <w:[pStyle](pStyle.docx) w:val="TestParagraphStyle"/>  
 </w:[pPr](pPr.docx)>  
 <w:[r](r.docx)>  
 <w:[t](t.docx)>Level one</w:[t](t.docx)>  
 </w:[r](r.docx)>  
</w:[p](p.docx)>

The paragraph references the style via its styleId attribute, which itself looks like this:

<w:style w:styleId="TestParagraphStyle" … >  
 <w:[pPr](pPr.docx)>  
 <w:[numPr](numPr.docx)>  
 <w:[numId](numId.docx) w:val="5" />  
 </w:[numPr](numPr.docx)>  
 </w:[pPr](pPr.docx)>  
</w:style>

The [numPr](numPr.docx) element contains one piece of information:

* The [numId](numId.docx) element (the [numbering](numbering.docx) definition instance referenced)

Obviously, this is insufficient to apply the [numbering](numbering.docx) since we need to know which level to apply, so this information is specified on the appropriate level using the [pStyle](pStyle.docx) element:

<w:[abstractNum](abstractNum.docx) w:[abstractNumId](abstractNumId.docx)="1">

...

<w:[lvl](lvl.docx) w:[ilvl](ilvl.docx)="0">

...

<w:[pStyle](pStyle.docx) w:val="TestParagraphStyle" />

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

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

<w:[tab](tab.docx) w:val="[num](num.docx)" w:[pos](pos.docx)="720" />

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

<w:[ind](ind.docx) w:left="720" w:hanging="360" />

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

...

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

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

In this case, level 0 of the underlying abstract [numbering](numbering.docx) definition specifies that it is associated with paragraph style TestParagraphStyle, so this level of the [numbering](numbering.docx) shall be applied along with the paragraph style. end example]

When [numbering](numbering.docx) is referenced by a paragraph style, its properties shall be applied before the style's properties (the style's paragraph properties shall override the [numbering](numbering.docx) level's paragraph properties).