# 3 models of list in akoma ntoso

In Akoma Ntoso, a list can be marked using three family of markup :

* <list>  
  it is a "hierarchy" type element

Normal usage : one <intro> multiple (<point> or <indent> or ...), one <wrap>  
<point> and <indent> are also "hierarchy" element => can contain <list>

* <blockList>  
  it is an element with a specific type  
  one <listIntroduction>, multiple <item>, one <listConclusion>  
  <item> is a "itemType": can contain BlockElement as <blockList>
* <ol>, <ul>  
  it is a "listItems" type element  
  can contain multiple <li>  
  <li> : can contain <ol> or <ul> mixed with text

Main drawback of <ol> and <ul> :

- no <intro>, no <wrap>

- <li> is a mix of text and <ol>, <ul> => bad structure

# Some questions

## what is the interest to mark as a <ol> or <ul> ?

Why not remove <ol> and <ul> inside Akoma Ntoso because any list can be marked using list or blockList ?

## Why, inside a legal text, allow the use of <list> and <blockList> ?

The current schema allow to mark the same text using two different models of hierarchy concurrently

- hierarchy model

- block model

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| **USING <list>** | **USING <blockList>** |
| **<paragraph** GUID="\_2012542013901" currentId="par\_3">  <num>3.</num>  **<list** GUID="\_2012542013902" currentId="par\_3\_\_lst\_1">    **<intro** GUID="\_2012542013903" currentId="par\_3\_\_lst\_1\_\_intro">  <p>For the purpose of this Directive:</p>  </intro>  **<point** GUID="\_2012542013904" currentId="par\_3\_\_lst\_1\_\_pnt\_a">  <num>(a)</num>  <**content** GUID="\_2012542013905" currentId="par\_3\_\_lst\_1\_\_pnt\_a\_\_cnt">  <p>‘preservatives’ are substances which prolong the shelflife of foodstuffs by protecting them against deterioration caused by micro-organisms;</p>  </content>  </point>  <point GUID="\_2012542013906" currentId="par\_3\_\_lst\_1\_\_pnt\_b">  <num>(b)</num>  <**content** GUID="\_2012542013907" currentId="par\_3\_\_lst\_1\_\_pnt\_b\_\_cnt">  <p> ‘antioxidants’ are substances which prolong the shelflife of foodstuffs by protecting them against deterioration caused by oxidation, such as fat rancidity and colour changes;</p>  </content>  </point>  </list>  </paragraph> | <paragraph GUID="\_2012542013901" currentId="par\_3">  <num>3.</num>  <content currentId="\_201254201390100">  **<blockList** GUID="\_2012542013902" currentId="par\_3\_\_cnt\_\_bklst\_1">  **<listIntroduction** GUID="\_2012542013903" currentId="par\_3\_\_cnt\_\_bklst\_1\_\_lstIntro">  For the purpose of this Directive:  </listIntroduction>  **<item** GUID="\_2012542013904" currentId=" par\_3\_\_cnt\_\_bklst\_1\_\_itm\_a">  <num>(a)</num>  <p>‘preservatives’ are substances which prolong the shelflife of foodstuffs by protecting them against deterioration caused by micro-organisms;</p>  </content>  </item>  <item GUID="\_2012542013906" currentId=" par\_3\_\_cnt\_\_bklst\_1\_\_itm\_b">  <num>(b)</num>  <p> ‘antioxidants’ are substances which prolong the shelflife of foodstuffs by protecting them against deterioration caused by oxidation, such as fat rancidity and colour changes;</p>  </content>  </item>  </blockList>  </content>  </paragraph> |
| **Advantage**  Use the same model everywhere inside a bill or act body :  Each typographical paragraph can correspond to one hierarchical element with a specific name. The name is the reflect of the tradition | **Advantage**  Control of the structure by the schema  (the use of item is controlled) |
| **Drawback**  The control of the structure is outside the schema (any hierarchy element can be insert into any hierarchy element) | **Drawback**  The content can be vary large (case of list with a lot of items and sublists  No distinction between point and indent |

Last question :

Is there any interest to standardise the currentId composition because the currentId is depending of a technical choice ?

# More general question : two models together inside a legal text : where to start the second one ?

Inside a <content> element, any structure of block is allowed.

=> the currentId depend on the tradition AND the choice of the author of the manifestation => it is a technical id more than a functional id

For example: paragraph with two subparagraph

Here are three variants. Depending on the technical choice, the currentId will be very different.

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| VARIANT 1 | VARIANT 2 |
| <article currentId="art\_1" GUID="\_20125420141">  <num>Article 1</num>  <heading currentId="art\_1\_\_hdg" GUID="\_20125420142"><i>Scope</i></heading>  <paragraph currentId="art\_1\_\_par\_1" GUID="\_20125420143">  <num>1.</num>  <**subparagraph** currentId="**art\_1\_\_par\_1\_\_subpar\_1**" GUID="\_20125420144">  <content currentId="art\_1\_\_par\_1\_\_subpar\_1\_\_cnt" GUID="\_20125420145">  <p>This Regulation establishes rules to be complied with by medical devices and accessories to medical devices that are placed on the market or put into service in the Union for human use.</p>  </content>  </subparagraph>  <subparagraph currentId="art\_1\_\_par\_1\_\_subpar\_2" GUID="\_20125420146">  <content currentId="art\_1\_\_par\_1\_\_subpar\_2\_\_cnt" GUID="\_20125420147">  <p>For the purposes of this Regulation, medical devices and accessories to medical devices shall hereinafter be referred to as ‘devices’.</p>  </content>  </subparagraph>  </paragraph>  ... | <article currentId="art\_1" GUID="\_20125420141">  <num>Article 1</num>  <heading currentId="art\_1\_\_hdg" GUID="\_20125420142"><i>Scope</i></heading>  <paragraph currentId="art\_1\_\_par\_1" GUID="\_20125420143">  <num>1.</num>  <content currentId="art\_1\_\_par\_1\_\_cnt" GUID="\_20125420144" >  <p currentId="**art\_1**\_\_par\_1**\_\_cnt\_\_p\_1**" GUID="\_20125420145">This Regulation establishes rules to be complied with by medical devices and accessories to medical devices that are placed on the market or put into service in the Union for human use.</p>  <p currentId="art\_1\_\_par\_1\_\_cnt\_\_p\_2" GUID="\_20125420147">For the purposes of this Regulation, medical devices and accessories to medical devices shall hereinafter be referred to as ‘devices’.</p>  </content>  </paragraph>  ... |

|  |
| --- |
| VARIANT 3 |
| <article currentId="art\_1" GUID="\_20125420141">  <num>Article 1</num>  <heading currentId="art\_1\_\_hdg" GUID="\_20125420142"><i>Scope</i></heading>  <content currentId="art\_4\_\_cnt" GUID="\_20125420143">  <tblock currentId="art\_4\_\_cnt\_\_tblk\_1">  <num>1.</num>  <p currentId="**art\_1**\_\_par\_1**\_\_cnt\_\_p\_1"** GUID="\_20125420144">This Regulation establishes rules to be complied with by medical devices and accessories to medical devices that are placed on the market or put into service in the Union for human use.</p>  <p currentId="art\_1\_\_par\_1\_\_cnt\_\_p\_2" GUID="\_20125420146">For the purposes of this Regulation, medical devices and accessories to medical devices shall hereinafter be referred to as ‘devices’.</p>  </tblock>  </content>  </article> |