Differences between the Strict and Transitional XLIFF XML Schemas

There are twenty-two differences between the *strict* and *transitional* versions of the XLIFF 1.2 Schema.

The first difference is that the attribute group definition (`AttrGroup_TextContent`) for attributes used in almost all of the inline elements (`g, x, bx, ex, ph, bpt, ept, it`), prohibits the "ts" attribute in the *strict* xsd, but optionally allows it in the *transitional* xsd. In several wrapper elements, the *strict* xsd prohibits the "ts" attribute, while the *transitional* xsd allows the "ts" attribute, optionally (`file, group, trans-unit, source, seg-source, target, alt-trans, bin-unit, bin-source, bin-target`).

The next difference is that the attribute "tool" is prohibited for several elements in the *strict* xsd (`file, phase, alt-trans`), and optionally allowed in the *transitional* xsd. The default for that attribute for the `file` element in the *transitional* xsd is "manual".

For one element, `target`, the *strict* xsd prohibits the "restype" attribute, but the *transitional* xsd allows the attribute, optionally.

The next difference is in the `alt-trans` element. The *strict* xsd allows a maximum of 1 `target` element. The *transitional* xsd allows an infinite amount of `target` elements.

The final difference between the *strict* and *transitional* xsds is the `prop-group` element. The *strict* xsd does not contain a `prop-group` element. The *transitional* xsd defines a `prop-group` element, and allows it in several elements (`header, group, trans-unit, alt-trans, bin-unit`).

Here are the places in the xsds that are different. The green, strike through text is in the *strict* xsd. And the blue underlined text is in the *transitional* xsd.

```
(1)
<xsd:attributeGroup name="AttrGroup_TextContent">
       <xsd:attribute name="id" type="xsd:string" use="required"/>
       <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(1) -->
       <xsd:attribute name="xid" type="xsd:string" use="optional"/>
       <xsd:attribute name="equiv-text" type="xsd:string"
use="optional"/>
        <xsd:anyAttribute namespace="##any" processContents="lax"/>
       </xsd:attributeGroup>
```

```
(2)
   <xsd:element name="file">
      <xsd:complexType>
         <xsd:sequence>
             <xsd:element minOccurs="0" ref="xlf:header"/>
             <xsd:element ref="xlf:body"/>
         </xsd:sequence>
         <xsd:attribute name="original" type="xsd:string"
use="required"/>
```

key: green = strict; blue = transitional

```
        <xsd:attribute name="source-language" type="xsd:language"
use="required"/>
        <xsd:attribute name="datatype" type="xlf:AttrType_datatype"
use="required"/>
        <xsd:attribute name="tool-id" type="xsd:string"
use="optional"/>
        <xsd:attribute default="manual" name="tool"
type="xsd:string" use="prohibitedoptional"/> <!--(2) -->
        <xsd:attribute name="date" type="xsd:dateTime"
use="optional"/>
        <xsd:attribute ref="xml:space" use="optional"/>
        <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(3) -->
        <xsd:attribute name="category" type="xsd:string"
use="optional"/>
        <xsd:attribute name="target-language" type="xsd:language"
use="optional"/>
        <xsd:attribute name="product-name" type="xsd:string"
use="optional"/>
        <xsd:attribute name="product-version" type="xsd:string"
use="optional"/>
        <xsd:attribute name="build-num" type="xsd:string"
use="optional"/>
        <xsd:anyAttribute namespace="##any" processContents="lax"/>
      </xsd:complexType>
      <xsd:unique name="U_group_id">
        <xsd:selector xpath=".//xlf:group"/>
        <xsd:field xpath="@id"/>
      </xsd:unique>
      <xsd:key name="K_unit_id">
        <xsd:selector xpath=".//xlf:trans-unit|.//xlf:bin-unit"/>
        <xsd:field xpath="@id"/>
      </xsd:key>
      <xsd:keyref name="KR_unit_id" refer="xlf:K_unit_id">
        <xsd:selector
xpath=".//bpt|.//ept|.//it|.//ph|.//g|.//x|.//bx|.//ex|.//sub"/>
        <xsd:field xpath="@xid"/>
      </xsd:keyref>
      <xsd:key name="K_tool-id">
        <xsd:selector xpath="xlf:header/xlf:tool"/>
        <xsd:field xpath="@tool-id"/>
      </xsd:key>
      <xsd:keyref name="KR_file_tool-id" refer="xlf:K_tool-id">
        <xsd:selector xpath="."/>
        <xsd:field xpath="@tool-id"/>
      </xsd:keyref>
      <xsd:keyref name="KR_phase_tool-id" refer="xlf:K_tool-id">
        <xsd:selector xpath="xlf:header/xlf:phase-
group/xlf:phase"/>
        <xsd:field xpath="@tool-id"/>
      </xsd:keyref>
      <xsd:keyref name="KR_alt-trans_tool-id" refer="xlf:K_tool-id">
        <xsd:selector xpath=".//xlf:trans-unit/xlf:alt-trans"/>
        <xsd:field xpath="@tool-id"/>
```

key: green = strict; blue = transitional

```
            </xsd:keyref>
            <xsd:key name="K_count-group_name">
                <xsd:selector xpath=".//xlf:count-group"/>
                <xsd:field xpath="@name"/>
            </xsd:key>
            <xsd:key name="K_context-group_name">
                <xsd:selector xpath=".//xlf:context-group"/>
                <xsd:field xpath="@name"/>
            </xsd:key>
            <xsd:key name="K_phase-name">
                <xsd:selector xpath="xlf:header/xlf:phase-
group/xlf:phase"/>
                <xsd:field xpath="@phase-name"/>
            </xsd:key>
            <xsd:keyref name="KR_phase-name" refer="xlf:K_phase-name">
                <xsd:selector xpath=".//xlf:count|.//xlf:trans-
unit|.//xlf:target|.//bin-unit|.//bin-target"/>
                <xsd:field xpath="@phase-name"/>
            </xsd:keyref>
            <xsd:unique name="U_uid">
                <xsd:selector xpath=".//xlf:external-file"/>
                <xsd:field xpath="@uid"/>
            </xsd:unique>
        </xsd:element>
```
(4)
```
    <xsd:element name="header">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element minOccurs="0" name="skl"
type="xlf:ElemType_ExternalReference"/>
                <xsd:element minOccurs="0" ref="xlf:phase-group"/>
                <xsd:choice maxOccurs="unbounded" minOccurs="0">
                    <xsd:element name="glossary"
type="xlf:ElemType_ExternalReference"/>
                    <xsd:element name="reference"
type="xlf:ElemType_ExternalReference"/>
                    <xsd:element ref="xlf:count-group"/>
                    <xsd:element ref="xlf:prop-group"/> <!--(4) -->
                    <xsd:element ref="xlf:note"/>
                    <xsd:element ref="xlf:tool"/>
                </xsd:choice>
                <xsd:any maxOccurs="unbounded" minOccurs="0"
namespace="##other" processContents="lax"/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>
```
(5)
```
    <xsd:element name="phase">
        <xsd:complexType>
            <xsd:sequence maxOccurs="unbounded" minOccurs="0">
                <xsd:element ref="xlf:note"/>
            </xsd:sequence>
```

key: green = strict; blue = transitional

```
        <xsd:attribute name="phase-name" type="xsd:string"
use="required"/>
        <xsd:attribute name="process-name" type="xsd:string"
use="required"/>
        <xsd:attribute name="company-name" type="xsd:string"
use="optional"/>
        <xsd:attribute name="tool-id" type="xsd:string"
use="optional"/>
        <xsd:attribute name="tool" type="xsd:string"
use="prohibitedoptional"/> <!--(5) -->
        <xsd:attribute name="date" type="xsd:dateTime"
use="optional"/>
        <xsd:attribute name="job-id" type="xsd:string"
use="optional"/>
        <xsd:attribute name="contact-name" type="xsd:string"
use="optional"/>
        <xsd:attribute name="contact-email" type="xsd:string"
use="optional"/>
        <xsd:attribute name="contact-phone" type="xsd:string"
use="optional"/>
    </xsd:complexType>
    </xsd:element>
```

(6)
```
    <xsd:element name="prop-group"> <!--(6) -->
        <xsd:complexType>
            <xsd:sequence maxOccurs="unbounded">
                <xsd:element ref="xlf:prop"/>
            </xsd:sequence>
            <xsd:attribute name="name" type="xsd:string"
use="optional"/>
        </xsd:complexType>
    </xsd:element>
    <xsd:element name="prop">
        <xsd:complexType>
            <xsd:simpleContent>
                <xsd:extension base="xsd:string">
                    <xsd:attribute name="prop-type" type="xsd:string"
use="required"/>
                    <xsd:attribute ref="xml:lang" use="optional"/>
                </xsd:extension>
            </xsd:simpleContent>
        </xsd:complexType>
    </xsd:element>
```

(7 & 8)
```
    <xsd:element name="group">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:sequence>
                    <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:context-group"/>
                    <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:count-group"/>
```

key: green = strict; blue = transitional

```
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:prop-group"/> <!--(7) -->
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:note"/>
                <xsd:any maxOccurs="unbounded" minOccurs="0"
namespace="##other" processContents="lax"/>
            </xsd:sequence>
            <xsd:choice maxOccurs="unbounded">
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:group"/>
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:trans-unit"/>
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:bin-unit"/>
            </xsd:choice>
        </xsd:sequence>
        <xsd:attribute name="id" type="xsd:string" use="optional"/>
        <xsd:attribute name="datatype" type="xlf:AttrType_datatype"
use="optional"/>
        <xsd:attribute default="default" ref="xml:space"
use="optional"/>
        <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(8) -->
        <xsd:attribute name="restype" type="xlf:AttrType_restype"
use="optional"/>
        <xsd:attribute name="resname" type="xsd:string"
use="optional"/>
        <xsd:attribute name="extradata" type="xsd:string"
use="optional"/>
        <xsd:attribute name="extype" type="xsd:string"
use="optional"/>
        <xsd:attribute name="help-id" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="menu" type="xsd:string"
use="optional"/>
        <xsd:attribute name="menu-option" type="xsd:string"
use="optional"/>
        <xsd:attribute name="menu-name" type="xsd:string"
use="optional"/>
        <xsd:attribute name="coord" type="xlf:AttrType_Coordinates"
use="optional"/>
        <xsd:attribute name="font" type="xsd:string"
use="optional"/>
        <xsd:attribute name="css-style" type="xsd:string"
use="optional"/>
        <xsd:attribute name="style" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="exstyle" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute default="yes" name="translate"
type="xlf:AttrType_YesNo" use="optional"/>
        <xsd:attribute default="yes" name="reformat"
type="xlf:AttrType_reformat" use="optional"/>
```

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```
            <xsd:attribute default="pixel" name="size-unit"
type="xlf:AttrType_size-unit" use="optional"/>
            <xsd:attribute name="maxwidth" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="minwidth" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="maxheight" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="minheight" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="maxbytes" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="minbytes" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="charclass" type="xsd:string"
use="optional"/>
            <xsd:attribute default="no" name="merged-trans"
type="xlf:AttrType_YesNo" use="optional"/>
            <xsd:anyAttribute namespace="##any" processContents="lax"/>
        </xsd:complexType>
    </xsd:element>
```

(9 & 10)
```
    <xsd:element name="trans-unit">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element ref="xlf:source"/>
                <xsd:element minOccurs="0" ref="xlf:seg-source"/>
                <xsd:element minOccurs="0" ref="xlf:target"/>
                <xsd:choice maxOccurs="unbounded" minOccurs="0">
                    <xsd:element ref="xlf:context-group"/>
                    <xsd:element ref="xlf:count-group"/>
                    <xsd:element ref="xlf:prop-group"/> <!--(9) -->
                    <xsd:element ref="xlf:note"/>
                    <xsd:element ref="xlf:alt-trans"/>
                </xsd:choice>
                <xsd:any maxOccurs="unbounded" minOccurs="0"
namespace="##other" processContents="lax"/>
            </xsd:sequence>
            <xsd:attribute name="id" type="xsd:string" use="required"/>
            <xsd:attribute name="approved" type="xlf:AttrType_YesNo"
use="optional"/>
            <xsd:attribute default="yes" name="translate"
type="xlf:AttrType_YesNo" use="optional"/>
            <xsd:attribute default="yes" name="reformat"
type="xlf:AttrType_reformat" use="optional"/>
            <xsd:attribute default="default" ref="xml:space"
use="optional"/>
            <xsd:attribute name="datatype" type="xlf:AttrType_datatype"
use="optional"/>
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(10) -->
            <xsd:attribute name="phase-name" type="xsd:string"
use="optional"/>
```

key: green = strict; blue = transitional

```
        <xsd:attribute name="restype" type="xlf:AttrType_restype"
use="optional"/>
        <xsd:attribute name="resname" type="xsd:string"
use="optional"/>
        <xsd:attribute name="extradata" type="xsd:string"
use="optional"/>
        <xsd:attribute name="extype" type="xsd:string"
use="optional"/>
        <xsd:attribute name="help-id" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="menu" type="xsd:string"
use="optional"/>
        <xsd:attribute name="menu-option" type="xsd:string"
use="optional"/>
        <xsd:attribute name="menu-name" type="xsd:string"
use="optional"/>
        <xsd:attribute name="coord" type="xlf:AttrType_Coordinates"
use="optional"/>
        <xsd:attribute name="font" type="xsd:string"
use="optional"/>
        <xsd:attribute name="css-style" type="xsd:string"
use="optional"/>
        <xsd:attribute name="style" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="exstyle" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute default="pixel" name="size-unit"
type="xlf:AttrType_size-unit" use="optional"/>
        <xsd:attribute name="maxwidth" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="minwidth" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="maxheight" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="minheight" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="maxbytes" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="minbytes" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="charclass" type="xsd:string"
use="optional"/>
        <xsd:attribute default="yes" name="merged-trans"
type="xlf:AttrType_YesNo" use="optional"/>
        <xsd:anyAttribute namespace="##any" processContents="lax"/>
      </xsd:complexType>
      <xsd:unique name="U_tu_segsrc_mid">
        <xsd:selector xpath="./xlf:seg-source/xlf:mrk"/>
        <xsd:field xpath="@mid"/>
      </xsd:unique>
      <xsd:keyref name="KR_tu_segsrc_mid"
refer="xlf:U_tu_segsrc_mid">
        <xsd:selector xpath="./xlf:target/xlf:mrk | ./xlf:alt-
trans"/>
```

key: green = strict; blue = transitional

```
            <xsd:field xpath="@mid"/>
        </xsd:keyref>
    </xsd:element>
```

(11 & 12 & 13 & 14)
```
    <xsd:element name="source">
        <xsd:complexType mixed="true">
            <xsd:group maxOccurs="unbounded" minOccurs="0"
ref="xlf:ElemGroup_TextContent"/>
            <xsd:attribute ref="xml:lang" use="optional"/>
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/><!--(11) -->
            <xsd:anyAttribute namespace="##any" processContents="lax"/>
        </xsd:complexType>
        <xsd:unique name="U_source_bpt_rid">
            <xsd:selector xpath=".//xlf:bpt"/>
            <xsd:field xpath="@rid"/>
        </xsd:unique>
        <xsd:keyref name="KR_source_ept_rid"
refer="xlf:U_source_bpt_rid">
            <xsd:selector xpath=".//xlf:ept"/>
            <xsd:field xpath="@rid"/>
        </xsd:keyref>
        <xsd:unique name="U_source_bx_rid">
            <xsd:selector xpath=".//xlf:bx"/>
            <xsd:field xpath="@rid"/>
        </xsd:unique>
        <xsd:keyref name="KR_source_ex_rid"
refer="xlf:U_source_bx_rid">
            <xsd:selector xpath=".//xlf:ex"/>
            <xsd:field xpath="@rid"/>
        </xsd:keyref>
    </xsd:element>
    <xsd:element name="seg-source">
        <xsd:complexType mixed="true">
            <xsd:group maxOccurs="unbounded" minOccurs="0"
ref="xlf:ElemGroup_TextContent"/>
            <xsd:attribute ref="xml:lang" use="optional"/>
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(12) -->
            <xsd:anyAttribute namespace="##any" processContents="lax"/>
        </xsd:complexType>
        <xsd:unique name="U_segsrc_bpt_rid">
            <xsd:selector xpath=".//xlf:bpt"/>
            <xsd:field xpath="@rid"/>
        </xsd:unique>
        <xsd:keyref name="KR_segsrc_ept_rid"
refer="xlf:U_segsrc_bpt_rid">
            <xsd:selector xpath=".//xlf:ept"/>
            <xsd:field xpath="@rid"/>
        </xsd:keyref>
        <xsd:unique name="U_segsrc_bx_rid">
            <xsd:selector xpath=".//xlf:bx"/>
            <xsd:field xpath="@rid"/>
        </xsd:unique>
```

key: green = strict; blue = transitional

```
            <xsd:keyref name="KR_segsrc_ex_rid"
refer="xlf:U_segsrc_bx_rid">
                <xsd:selector xpath=".//xlf:ex"/>
                <xsd:field xpath="@rid"/>
            </xsd:keyref>
        </xsd:element>
        <xsd:element name="target">
            <xsd:complexType mixed="true">
                <xsd:group maxOccurs="unbounded" minOccurs="0"
ref="xlf:ElemGroup_TextContent"/>
                <xsd:attribute name="state" type="xlf:AttrType_state"
use="optional"/>
                <xsd:attribute name="state-qualifier"
type="xlf:AttrType_state-qualifier" use="optional"/>
                <xsd:attribute name="phase-name" type="xsd:NMTOKEN"
use="optional"/>
                <xsd:attribute ref="xml:lang" use="optional"/>
                <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/><!--(13) -->
                <xsd:attribute name="restype" type="xlf:AttrType_restype"
use="prohibitedoptional"/><!--(14) -->
                <xsd:attribute name="resname" type="xsd:string"
use="optional"/>
                <xsd:attribute name="coord" type="xlf:AttrType_Coordinates"
use="optional"/>
                <xsd:attribute name="font" type="xsd:string"
use="optional"/>
                <xsd:attribute name="css-style" type="xsd:string"
use="optional"/>
                <xsd:attribute name="style" type="xsd:NMTOKEN"
use="optional"/>
                <xsd:attribute name="exstyle" type="xsd:NMTOKEN"
use="optional"/>
                <xsd:attribute default="yes" name="equiv-trans"
type="xlf:AttrType_YesNo" use="optional"/>
                <xsd:anyAttribute namespace="##any" processContents="lax"/>
            </xsd:complexType>
            <xsd:unique name="U_target_bpt_rid">
                <xsd:selector xpath=".//xlf:bpt"/>
                <xsd:field xpath="@rid"/>
            </xsd:unique>
            <xsd:keyref name="KR_target_ept_rid"
refer="xlf:U_target_bpt_rid">
                <xsd:selector xpath=".//xlf:ept"/>
                <xsd:field xpath="@rid"/>
            </xsd:keyref>
            <xsd:unique name="U_target_bx_rid">
                <xsd:selector xpath=".//xlf:bx"/>
                <xsd:field xpath="@rid"/>
            </xsd:unique>
            <xsd:keyref name="KR_target_ex_rid"
refer="xlf:U_target_bx_rid">
                <xsd:selector xpath=".//xlf:ex"/>
                <xsd:field xpath="@rid"/>
```

key: green = strict; blue = transitional

```
        </xsd:keyref>
    </xsd:element>


(15 & 16 & 17 & 18)


    <xsd:element name="alt-trans">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element minOccurs="0" ref="xlf:source"/>
                <xsd:element minOccurs="0" ref="xlf:seg-source"/>
                <xsd:element maxOccurs="1unbounded" ref="xlf:target"/>
<!--(15) -->
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:context-group"/>
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:prop-group"/> <!--(16) -->
                <xsd:element maxOccurs="unbounded" minOccurs="0"
ref="xlf:note"/>
                <xsd:any maxOccurs="unbounded" minOccurs="0"
namespace="##other" processContents="lax"/>
            </xsd:sequence>
            <xsd:attribute name="match-quality" type="xsd:string"
use="optional"/>
            <xsd:attribute name="tool-id" type="xsd:string"
use="optional"/>
            <xsd:attribute name="tool" type="xsd:string"
use="prohibitedoptional"/> <!--(17) -->
            <xsd:attribute name="crc" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute ref="xml:lang" use="optional"/>
            <xsd:attribute name="origin" type="xsd:string"
use="optional"/>
            <xsd:attribute name="datatype" type="xlf:AttrType_datatype"
use="optional"/>
            <xsd:attribute default="default" ref="xml:space"
use="optional"/>
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/><!--(18) -->
            <xsd:attribute name="restype" type="xlf:AttrType_restype"
use="optional"/>
            <xsd:attribute name="resname" type="xsd:string"
use="optional"/>
            <xsd:attribute name="extradata" type="xsd:string"
use="optional"/>
            <xsd:attribute name="extype" type="xsd:string"
use="optional"/>
            <xsd:attribute name="help-id" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="menu" type="xsd:string"
use="optional"/>
            <xsd:attribute name="menu-option" type="xsd:string"
use="optional"/>
            <xsd:attribute name="menu-name" type="xsd:string"
use="optional"/>
```

key: green = strict; blue = transitional

```xml
        <xsd:attribute name="mid" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="coord" type="xlf:AttrType_Coordinates"
use="optional"/>
        <xsd:attribute name="font" type="xsd:string"
use="optional"/>
        <xsd:attribute name="css-style" type="xsd:string"
use="optional"/>
        <xsd:attribute name="style" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="exstyle" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute name="phase-name" type="xsd:NMTOKEN"
use="optional"/>
        <xsd:attribute default="proposal" name="alttranstype"
type="xlf:AttrType_alttranstype" use="optional"/>
        <xsd:anyAttribute namespace="##any" processContents="lax"/>
      </xsd:complexType>
      <xsd:unique name="U_at_segsrc_mid">
        <xsd:selector xpath="./xlf:seg-source/xlf:mrk"/>
        <xsd:field xpath="@mid"/>
      </xsd:unique>
      <xsd:keyref name="KR_at_segsrc_mid"
refer="xlf:U_at_segsrc_mid">
        <xsd:selector xpath="./xlf:target/xlf:mrk"/>
        <xsd:field xpath="@mid"/>
      </xsd:keyref>
   </xsd:element>
```

```xml
(19 & 20 & 21 & 22)
   <xsd:element name="bin-unit">
      <xsd:complexType>
         <xsd:sequence>
            <xsd:element ref="xlf:bin-source"/>
            <xsd:element minOccurs="0" ref="xlf:bin-target"/>
            <xsd:choice maxOccurs="unbounded" minOccurs="0">
               <xsd:element ref="xlf:context-group"/>
               <xsd:element ref="xlf:count-group"/>
               <xsd:element ref="xlf:prop-group"/> <!--(19) -->
               <xsd:element ref="xlf:note"/>
               <xsd:element ref="xlf:trans-unit"/>
            </xsd:choice>
            <xsd:any maxOccurs="unbounded" minOccurs="0"
namespace="##other" processContents="lax"/>
         </xsd:sequence>
         <xsd:attribute name="id" type="xsd:string" use="required"/>
         <xsd:attribute name="mime-type" type="xlf:mime-
typeValueList" use="required"/>
         <xsd:attribute name="approved" type="xlf:AttrType_YesNo"
use="optional"/>
         <xsd:attribute default="yes" name="translate"
type="xlf:AttrType_YesNo" use="optional"/>
         <xsd:attribute default="yes" name="reformat"
type="xlf:AttrType_reformat" use="optional"/>
```

key: green = strict; blue = transitional

```xsd
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(20) -->
            <xsd:attribute name="restype" type="xlf:AttrType_restype"
use="optional"/>
            <xsd:attribute name="resname" type="xsd:string"
use="optional"/>
            <xsd:attribute name="phase-name" type="xsd:string"
use="optional"/>
            <xsd:anyAttribute namespace="##any" processContents="lax"/>
        </xsd:complexType>
    </xsd:element>
    <xsd:element name="bin-source">
        <xsd:complexType>
            <xsd:choice>
                <xsd:element ref="xlf:internal-file"/>
                <xsd:element ref="xlf:external-file"/>
            </xsd:choice>
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(21) -->
            <xsd:anyAttribute namespace="##any" processContents="lax"/>
        </xsd:complexType>
    </xsd:element>
    <xsd:element name="bin-target">
        <xsd:complexType>
            <xsd:choice>
                <xsd:element ref="xlf:internal-file"/>
                <xsd:element ref="xlf:external-file"/>
            </xsd:choice>
            <xsd:attribute name="mime-type" type="xlf:mime-
typeValueList" use="optional"/>
            <xsd:attribute name="ts" type="xsd:string"
use="prohibitedoptional"/> <!--(22) -->
            <xsd:attribute name="state" type="xlf:AttrType_state"
use="optional"/>
            <xsd:attribute name="state-qualifier"
type="xlf:AttrType_state-qualifier" use="optional"/>
            <xsd:attribute name="phase-name" type="xsd:NMTOKEN"
use="optional"/>
            <xsd:attribute name="restype" type="xlf:AttrType_restype"
use="optional"/>
            <xsd:attribute name="resname" type="xsd:string"
use="optional"/>
            <xsd:anyAttribute namespace="##any" processContents="lax"/>
        </xsd:complexType>
    </xsd:element>
```

key: green = strict; blue = transitional