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Anexos

A.1 XSD do IMS AccessForAll Meta-data

```
<?xml version = "1.0" encoding = "ISO-8859-1"?>
<Schema xmlns = "http://www.w3.org/2001/XMLSchema"
  targetNamespace = "http://www.imsglobal.org/xsd/accmdv1p0"
  xmlns:tns = "http://www.imsglobal.org/xsd/accmdv1p0"
  xmlns:acclip =
    "http://www.imsglobal.org/xsd/accessforallv1p0"
    version = "IMSACCMD 1.0.0"
    elementFormDefault = "qualified">
  <import namespace =
    "http://www.imsglobal.org/xsd/accessforallv1p0" schemaLocation =
    "http://www.imsglobal.org/xsd/AccessForAllv1p0.xsd"/>
  <import namespace = "http://www.w3.org/XML/1998/namespace"
    schemaLocation = "http://www.w3.org/2001/xml.xsd"/>

  <!-- ***** -->
  <!-- ** ELEMENT DECLARATIONS ** -->
  <!-- ***** -->

  <!--Root Element that groups the acessibility information
  about the resource-->
  <element name = "accessibility" type =
    "tns:accessibilityType"/>
  <element name = "adaptability" type =
    "tns:adaptabilityType"/>
  <!--The features of the content of the equivalent resource
  that parallel the ACCLIP specification-->
  <element name = "content" type = "tns:contentType"/>
  <!--Equivalent resource description: description of the
  features of resource(s) that are equivalents for a particular
  primary resource-->
  <element name = "equivalent" type = "tns:equivalentType"/>
  <!--Pointer to an equivalent resource (meta-data) of the
  described resource or parts thereof-->
  <element name = "equivalentResource" type = "anyURI"/>
  <!--Primary resource description: the features of the
  primary resource-->
  <element name = "primary" type = "tns:primaryType"/>
  <!--A reference to file(s) (meta-data) within the primary
  resource for which the described resource is an equivalent (if
  applicable)-->
  <element name = "primaryFile" type = "anyURI"/>
  <!--A reference to the primary resource (meta-data) for
  which the described resource is an equivalent-->
  <element name = "primaryResource" type = "anyURI"/>
  <!--Description of the features of the resource-->
  <element name = "resourceDescription" type =
    "tns:resourceDescriptionType"/>

  <!-- ***** -->
  <!-- ** COMPLEX TYPE DECLARATIONS ** -->
```

```

<!-- ***** -->

<complexType name = "accessibilityType">
  <sequence>
    <element ref = "tns:resourceDescription"/>
  </sequence>
</complexType>
<complexType name = "adaptabilityType">
  <simpleContent>
    <extension base = "anyURI">
      <attribute name = "type" use = "required"
type = "tns:typeType"/>
      <anyAttribute namespace = "##any"
processContents = "lax"/>
    </extension>
  </simpleContent>
</complexType>
<complexType name = "contentType">
  <sequence>
    <element ref = "acclip:alternativesToVisual"
minOccurs = "0"/>
    <element ref = "acclip:alternativesToText"
minOccurs = "0"/>
    <element ref = "acclip:alternativesToAuditory"
minOccurs = "0"/>
    <element ref = "acclip:learnerScaffold"
minOccurs = "0" maxOccurs = "unbounded"/>
  </sequence>
  <attribute name = "supplementary" type = "boolean"/>
</complexType>
<complexType name = "equivalentType">
  <sequence>
    <element ref = "tns:primaryResource"/>
    <element ref = "tns:primaryFile" minOccurs = "0"
maxOccurs = "unbounded"/>
    <element ref = "tns:content" minOccurs = "0"/>
  </sequence>
  <attribute name = "supplementary" type = "boolean"/>
</complexType>
<complexType name = "primaryType">
  <sequence>
    <element ref = "tns:adaptability" minOccurs =
"0" maxOccurs = "unbounded"/>
    <element ref = "tns:equivalentResource"
minOccurs = "0" maxOccurs = "unbounded"/>
  </sequence>
  <!--Indication of wheter or not the resource contains
auditory information-->
  <attribute name = "hasAuditory" type = "boolean"/>
  <!--Indication of wheter or not the resource contains
tacticle information-->
  <attribute name = "hasTactile" type = "boolean"/>
  <!--Indication of wheter or not the resource contains
text information-->
  <attribute name = "hasText" type = "boolean"/>
  <!--Indication of wheter or not the resource contains
visual information-->
  <attribute name = "hasVisual" type = "boolean"/>
</complexType>
<complexType name = "resourceDescriptionType">
  <sequence>

```

```

        <element ref = "tns:primary" minOccurs = "0"/>
        <element ref = "tns:equivalent" minOccurs = "0"
maxOccurs = "unbounded"/>
    </sequence>
</complexType>

<!-- ***** -->
<!-- ** SIMPLE TYPE DECLARATIONS ** -->
<!-- ***** -->

<simpleType name = "typeType">
    <restriction base = "token">
        <enumeration value = "controlFlexibility"/>
        <enumeration value = "displayTransformability"/>
        <enumeration value = "other"/>
    </restriction>
</simpleType>
</schema>

```

A.2 XSL para o refinamento da consulta segundo o perfil do usuário

```

<?xml version="1.0" encoding="iso-8859-1" ?>
<xsl:stylesheet version="2.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    xmlns:xs="http://www.w3.org/2001/XMLSchema"
    xmlns:fn="http://www.w3.org/2005/xpath-functions">
    <xsl:output method="xml" indent="yes" omit-xml-
declaration="yes"/>
    <xsl:template match="/">
        <xsl:variable name="languages"
select="document('Languages.xml')//languages"/>
        <xsl:variable name="learnerinformation"
select="queryAndUserProfile/learnerinformation" />
        <xsl:variable name="query"
select="queryAndUserProfile/query" />
        <query>
            <andComposite>
                <xsl:if
test="$learnerinformation/identification/demographics/date/typenam
e/tyvalue = 'Birth' and
$learnerinformation/identification/demographics/date/datetime and
not(contains($query, '/XML-
MappingFile/Educational/TypicalAgeRange'))">
                    <andComposite>
                        <orComposite>
                            <condition>
                                <attribute>/XML-
MappingFile/Educational/TypicalAgeRange/minimumAge</attribute>
                                <operator>&lt;=;</operator>
                                <value><xsl:value-of select="floor(days-from-
duration(current-dateTime()
xs:dateTime($learnerinformation/identification/demographics/date/d
atetime)) div 365.2425)" /></value>
                            </condition>
                            <condition>
                                <attribute>/XML-
MappingFile/Educational/TypicalAgeRange/minimumAge</attribute>
                                <operator>=</operator>

```



```

        <value></value>
      </condition>
    </orComposite>
  </orComposite>
  <condition>
    <attribute>/XML-
MappingFile/Educational/TypicalAgeRange/maximumAge</attribute>
    <operator>>=</operator>
    <value><xsl:value-of select="floor(days-from-
duration(current-dateTime()
xs:dateTime($learnerinformation/identification/demographics/date/d
atetime)) div 365.2425)" /></value>
    </condition>
  <condition>
    <attribute>/XML-
MappingFile/Educational/TypicalAgeRange/maximumAge</attribute>
    <operator>=</operator>
    <value></value>
  </condition>
</orComposite>
</andComposite>
</xsl:if>
<xsl:if
test="$learnerinformation/accessibility/language and
not(contains($query, '/XML-MappingFile/General/Language'))">
  <orComposite>
    <xsl:for-each
select="$learnerinformation/accessibility/language">
      <xsl:variable name="knownLanguage"
select="typename/tyvalue"/>
      <xsl:variable name="language"
select="$languages/language[string/fn:lower-case(.)=fn:lower-
case($knownLanguage)]" />
      <xsl:variable name="languageCode"
select="//$languages/language[fn:lower-case(@code)=fn:lower-
case($knownLanguage)]" />
      <!-- Se não encontrou o código da língua
conhecida pelo usuário -->
      <xsl:if test="not($languageCode)">
        <condition>
          <attribute>/XML-
MappingFile/General/Language</attribute>
          <operator>=</operator>
          <value><xsl:value-of
select="$knownLanguage" /></value>
        </condition>
      </xsl:if>
      <!-- Se encontrou o nome a língua conhecida
pelo usuário -->
      <xsl:if test="$language">
        <xsl:call-template
name="RenderLanguageConstraint">
          <xsl:with-param
name="languageCode"><xsl:value-of
select="$language/@code"/></xsl:with-param>
        </xsl:call-template>
      </xsl:if>
      <!-- Se não encontrou o nome a língua conhecida
pelo usuário -->
      <xsl:if test="not($language)">

```

```

        <!-- Se encontrou o código da língua
conhecida pelo usuário -->
        <xsl:if test="$languageCode">
            <xsl:if test="contains($languageCode/@code,
'- ')">
                <xsl:call-template
name="RenderLanguageConstraint">
                    <xsl:with-param
name="languageCode"><xsl:value-of select="substring-
before($languageCode/@code, '- ')"></xsl:with-param>
                    </xsl:call-template>
                </xsl:if>
            <xsl:if
test="not(contains($languageCode/@code, '- '))">
                <xsl:call-template
name="RenderLanguageConstraint">
                    <xsl:with-param
name="languageCode"><xsl:value-of
select="$languageCode/@code"/></xsl:with-param>
                    </xsl:call-template>
                </xsl:if>
            </xsl:if>
        </xsl:if>
    </xsl:for-each>
    <condition>
        <attribute>/XML-
MappingFile/General/Language</attribute>
        <operator>=</operator>
        <value></value>
    </condition>
</orComposite>
</xsl:if>
<xsl:copy-of select="$query/condition" />
<xsl:copy-of select="$query/andComposite" />
<xsl:copy-of select="$query/orComposite" />
</andComposite>
</query>
</xsl:template>

<xsl:template name="RenderLanguageConstraint">
    <xsl:param name="languageCode" />
    <xsl:variable name="languages"
select="document('Languages.xml')//languages"/>
    <condition>
        <attribute>/XML-
MappingFile/General/Language</attribute>
        <operator>=</operator>
        <value><xsl:value-of select="$languageCode" /></value>
    </condition>
    <condition>
        <attribute>/XML-
MappingFile/General/Language</attribute>
        <operator>like</operator>
        <value><xsl:value-of select="$languageCode" />-</value>
    </condition>
</xsl:template>
</xsl:stylesheet>

```

A.3 XSL para a geração dos metadados de acessibilidade

```

<?xml version="1.0" ?>
<xsl:stylesheet version="2.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:util="http://www.pnp-software.com/util">
  <xsl:output method="xml" indent="yes" omit-xml-
    declaration="yes"/>

  <xsl:function name="util:substringAfterLast">
    <xsl:param name="text" />
    <xsl:param name="token" />
    <xsl:choose>
      <xsl:when test="contains( $text, $token )">
        <xsl:variable name="regExpr" select="concat('(.+',
$token, ')([', $token, ']*)' )" />
        <xsl:value-of select="replace($text, $regExpr, '$2',
's')" />
      </xsl:when>
    </xsl:choose>
  </xsl:function>

  <xsl:template match="/">
    <xsl:variable name="mimeTypes"
      select="document('MIMTypes.xml')//mimeTypes"/>
    <los>
      <xsl:for-each select="los/lo">
        <xsl:if test="accessibility">
          <xsl:copy-of select="." />
        </xsl:if>
        <xsl:if test="not(accessibility)">
          <lo>
            <xsl:copy-of select="general" />
            <xsl:copy-of select="lifeCycle" />
            <xsl:copy-of select="metaMetadata" />
            <xsl:copy-of select="technical" />
            <xsl:copy-of select="educational" />
            <xsl:copy-of select="rights" />
            <xsl:copy-of select="relation" />
            <xsl:copy-of select="annotation" />
            <xsl:copy-of select="classification" />
            <xsl:variable name="location"
              select="Technical/Location" />
            <xsl:variable name="extension"
              select="util:substringAfterLast(translate($location, '.', '#') ,
'#')" />
            <xsl:if
              test="technical[format=$mimeTypes/mime/@type] or
              (not(technical[format=$mimeTypes/mime/@type]) and
              $mimeTypes/mime[@extension=$extension])">
              <accessibility>
                <resourceDescription>
                  <!-- Se encontrou um formato no arquivo
MIMTypes.xml -->
                  <xsl:if
                    test="technical[format=$mimeTypes/mime/@type]">
                    <primary>

```

```

        <xsl:if
test="technical[format=$mimeTypes/mime[@hasAuditory='true']/@type]
">
            <xsl:attribute
name="hasAuditory">true</xsl:attribute>
        </xsl:if>
        <xsl:if
test="not(technical[format=$mimeTypes/mime[@hasAuditory='true']/@t
ype])">
            <xsl:attribute
name="hasAuditory">false</xsl:attribute>
        </xsl:if>
        <xsl:if
test="technical[format=$mimeTypes/mime[@hasTactile='true']/@type]"
>
            <xsl:attribute
name="hasTactile">true</xsl:attribute>
        </xsl:if>
        <xsl:if
test="not(technical[format=$mimeTypes/mime[@hasTactile='true']/@ty
pe])">
            <xsl:attribute
name="hasTactile">false</xsl:attribute>
        </xsl:if>
        <xsl:if
test="technical[format=$mimeTypes/mime[@hasText='true']/@type]">
            <xsl:attribute
name="hasText">true</xsl:attribute>
        </xsl:if>
        <xsl:if
test="not(technical[format=$mimeTypes/mime[@hasText='true']/@type]
)">
            <xsl:attribute
name="hasText">false</xsl:attribute>
        </xsl:if>
        <xsl:if
test="technical[format=$mimeTypes/mime[@hasVisual='true']/@type]">
            <xsl:attribute
name="hasVisual">true</xsl:attribute>
        </xsl:if>
        <xsl:if
test="not(technical[format=$mimeTypes/mime[@hasVisual='true']/@typ
e])">
            <xsl:attribute
name="hasVisual">false</xsl:attribute>
        </xsl:if>
    </primary>
</xsl:if>
<!-- Se nao encontrou um formato no arquivo
MIMTypes.xml -->
    <xsl:if
test="not(technical[format=$mimeTypes/mime/@type])">
        <!-- Se encontrou a extensao no arquivo
MIMTypes.xml -->
        <xsl:if
test="$mimeTypes/mime[@extension=$extension]">
            <primary>
                <xsl:attribute name="hasAuditory">
                    <xsl:value-of
select="$mimeTypes/mime[@extension=$extension][1]/@hasAuditory" />
                </xsl:attribute>
            </primary>
        </xsl:if>
    </xsl:if>

```

```

        <xsl:attribute name="hasTactile">
            <xsl:value-of
select="$mimeTypes/mime[@extension=$extension][1]/@hasTactile" />
            </xsl:attribute>
            <xsl:attribute name="hasText">
                <xsl:value-of
select="$mimeTypes/mime[@extension=$extension][1]/@hasText" />
                </xsl:attribute>
            <xsl:attribute name="hasVisual">
                <xsl:value-of
select="$mimeTypes/mime[@extension=$extension][1]/@hasVisual" />
                </xsl:attribute>
            </primary>
        </xsl:if>
    </xsl:if>
</resourceDescription>
</accessibility>
</xsl:if>
</lo>
</xsl:if>
</xsl:for-each>
</los>
</xsl:template>
</xsl:stylesheet>

```

A.4 XSL para a geração do XFML

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<xsl:stylesheet                                version="2.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
    <xsl:output method="xml" indent="yes"/>
    <xsl:template match="/">
        <xfml version="1.0" url="AccessForAll-LORIS/XFML.xml"
language="en-us">
            <mapInfo>
                <generator>
                    <name>AccessForAll-LORIS</name>
                </generator>
            </mapInfo>
            <!-- FACETS -->
            <facet id="accessibility">accessibility</facet>
            <facet id="general/language">general/language</facet>
            <facet id="general/keyword">general/keyword</facet>
            <facet id="general/coverage">general/coverage</facet>
            <facet id="general/structure">general/structure</facet>
            <facet
id="general/aggregationLevel">general/aggregationLevel</facet>
            <facet id="lifeCycle/status">lifeCycle/status</facet>
            <facet
id="educational/interactivityType">educational/interactivityType</
facet>
            <facet
id="educational/learningResourceType">educational/learningResource
Type</facet>
            <facet
id="educational/interactivityLevel">educational/interactivityLevel
</facet>
            <facet
id="educational/semanticDensity">educational/semanticDensity</face
t>

```

```

        <facet
id="educational/intendedEndUserRole">educational/intendedEndUserRo
le</facet>
        <facet
id="educational/context">educational/context</facet>
        <facet
id="educational/difficulty">educational/difficulty</facet>
        <facet
id="educational/language">educational/language</facet>
        <!-- TOPICS -->
        <xsl:for-each-group
select="los/lo/accessibility/resourceDescription/primary/@*"
group-by="name()">
            <xsl:sort/>
            <topic                                facetid="accessibility"
id="accessibility/{name()}">
                <name><xsl:value-of select="name()"/></name>
            </topic>
        </xsl:for-each-group>
        <xsl:for-each-group
select="los/lo/general/language[(not(contains(., '-')))]" group-
by=".">
            <xsl:sort/>
            <xsl:if test=".!=''">
                <topic                                facetid="general/language"
id="general/language/{.}">
                    <name><xsl:value-of select="."/></name>
                </topic>
            </xsl:if>
        </xsl:for-each-group>
        <xsl:for-each-group
select="los/lo/general/language[(contains(., '-'))]" group-by=".">
            <xsl:sort/>
            <xsl:if test=".!=''">
                <xsl:variable                                name="languagePrefix"
select="substring-before(., '-')" />
                <xsl:if
test="not(/los/lo/general/language/.$languagePrefix)">
                    <topic                                facetid="general/language"
id="general/language/{$languagePrefix}">
                        <name><xsl:value-of
select="$languagePrefix"/></name>
                    </topic>
                </xsl:if>
                <topic                                facetid="general/language"
id="general/language/{.}"
parentTopicid="general/language/{$languagePrefix}">
                    <name><xsl:value-of select="."/></name>
                </topic>
            </xsl:if>
        </xsl:for-each-group>
        <xsl:for-each-group    select="/los/lo/general/keyword"
group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group    select="/los/lo/general/coverage"
group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>

```

```

        <xsl:for-each-group select="/los/lo/general/structure"
group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/general/aggregationLevel" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group select="/los/lo/lifeCycle/status"
group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/interactivityType" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/learningResourceType" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/interactivityLevel" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/semanticDensity" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/intendedEndUserRole" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/context" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/difficulty" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <xsl:for-each-group
select="/los/lo/educational/language" group-by=".">
            <xsl:sort/>
            <xsl:call-template name="RenderTopic" />
        </xsl:for-each-group>
        <!-- PAGES MEANS LEARNING OBJECTS IN OUR CONTEXT -->
        <xsl:for-each select="/los/lo">
            <page url="{position()}">
                <xsl:if
test="accessibility/resourceDescription/primary/@hasAuditory
'true'">

```

```

        <occurrence topicid="accessibility/hasAuditory"
/>
        </xsl:if>
        <xsl:if
test="accessibility/resourceDescription/primary/@hasTactile =
'true'">
            <occurrence topicid="accessibility/hasTactile" />
            </xsl:if>
            <xsl:if
test="accessibility/resourceDescription/primary/@hasText =
'true'">
                <occurrence topicid="accessibility/hasText" />
                </xsl:if>
                <xsl:if
test="accessibility/resourceDescription/primary/@hasVisual =
'true'">
                    <occurrence topicid="accessibility/hasVisual" />
                    </xsl:if>
                    <xsl:for-each select="general/language">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>
                    <xsl:for-each
select="general/language[contains(.,'- ')]">
                        <xsl:variable name="languagePrefix"
select="substring-before(.,'- ')" />
                        <xsl:variable name="topicIdPrefix"
select="concat(../name(),'/',name())"/>
                        <xsl:choose>
                            <xsl:when test="string">
                                <occurrence
topicid="{ $topicIdPrefix}/{string/$languagePrefix}" />
                            </xsl:when>
                            <xsl:when test="value">
                                <occurrence
topicid="{ $topicIdPrefix}/{value/$languagePrefix}" />
                            </xsl:when>
                            <xsl:when test="not(string) and .!=''">
                                <occurrence
topicid="{ $topicIdPrefix}/{ $languagePrefix}" />
                            </xsl:when>
                        </xsl:choose>
                    </xsl:for-each>
                    <xsl:for-each select="general/keyword">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>
                    <xsl:for-each select="general/coverage">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>
                    <xsl:for-each select="general/structure">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>
                    <xsl:for-each select="general/aggregationLevel">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>
                    <xsl:for-each select="lifeCycle/status">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>
                    <xsl:for-each
select="educational/interactivityType">
                        <xsl:call-template name="RenderPage" />
                    </xsl:for-each>

```



```

        <xsl:for-each
select="educational/learningResourceType">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
        <xsl:for-each
select="educational/interactivityLevel">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
        <xsl:for-each select="educational/semanticDensity">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
        <xsl:for-each
select="educational/intendedEndUserRole">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
        <xsl:for-each select="educational/context">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
        <xsl:for-each select="educational/difficulty">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
        <xsl:for-each select="educational/language">
            <xsl:call-template name="RenderPage" />
        </xsl:for-each>
    </page>
</xsl:for-each>
<xsl:copy-of select="los"/>
</xfml>
</xsl:template>
<xsl:template name="RenderTopic">
    <xsl:variable name="facetid"
select="concat(..name(), '/', name())"/>
    <xsl:choose>
        <xsl:when test="string">
            <topic facetid="{ $facetid}"
id="{ $facetid}/{string/.}">
                <name><xsl:value-of select="string/."/></name>
            </topic>
        </xsl:when>
        <xsl:when test="value">
            <topic facetid="{ $facetid}"
id="{ $facetid}/{value/.}">
                <name><xsl:value-of select="value/."/></name>
            </topic>
        </xsl:when>
        <xsl:when test="not(string) and .!=''">
            <topic facetid="{ $facetid}" id="{ $facetid}/{.}">
                <name><xsl:value-of select="."/></name>
            </topic>
        </xsl:when>
    </xsl:choose>
</xsl:template>
<xsl:template name="RenderPage">
    <xsl:variable name="topicIdPrefix"
select="concat(..name(), '/', name())"/>
    <xsl:choose>
        <xsl:when test="string">
            <occurrence topicid="{ $topicIdPrefix}/{string/.}" />
        </xsl:when>
        <xsl:when test="value">
            <occurrence topicid="{ $topicIdPrefix}/{value/.}" />
        </xsl:when>
    </xsl:choose>

```

```

</xsl:when>
<xsl:when test="not(string) and .!=''">
  <occurrence topicid="{ $topicIdPrefix}/{.}" />
</xsl:when>
</xsl:choose>
</xsl:template>
</xsl:stylesheet>

```

A.5 Informações de acessibilidade segundo MIME Type e/ou extensão

Extensão	MIME type	hasAuditory	hasText	hasVisual
aif	audio/aiff	Sim	Não	Não
aif	audio/x-aiff	Sim	Não	Não
aifc	audio/aiff	Sim	Não	Não
aifc	audio/x-aiff	Sim	Não	Não
aiff	audio/aiff	Sim	Não	Não
aiff	audio/x-aiff	Sim	Não	Não
asx	video/x-ms-asf	Sim	Não	Sim
asx	video/x-ms-asf-plugin	Sim	Não	Sim
au	audio/basic	Sim	Não	Não
au	audio/x-au	Sim	Não	Não
avi	application/x-troff-msvideo	Sim	Não	Sim
avi	video/avi	Sim	Não	Sim
avi	video/msvideo	Sim	Não	Sim
avi	video/x-msvideo	Sim	Não	Sim
avs	video/avs-video	Sim	Não	Sim
bm	image/bmp	Não	Não	Sim
bmp	image/bmp	Não	Não	Sim
bmp	image/x-windows-bmp	Não	Não	Sim
dif	video/x-dv	Sim	Não	Sim
dl	video/dl	Sim	Não	Sim
dl	video/x-dl	Sim	Não	Sim
doc	application/msword	Não	Sim	Não
dot	application/msword	Não	Sim	Não
dv	video/x-dv	Sim	Não	Sim
dwf	drawing/x-dwf	Não	Não	Sim
dwg	application/acad	Não	Não	Sim
dwg	image/vnddwg	Não	Não	Sim
dwg	image/x-dwg	Não	Não	Sim
dxf	application/dxf	Não	Não	Sim
dxf	image/vnddwg	Não	Não	Sim
dxf	image/x-dwg	Não	Não	Sim
fif	image/fif	Não	Não	Sim
fli	video/fli	Sim	Não	Sim

Extensão	MIME type	hasAuditory	hasText	hasVisual
fli	video/x-fli	Sim	Não	Sim
flo	image/florian	Não	Não	Sim
fmf	video/x-atomic3d-feature	Sim	Não	Sim
fpx	image/vndfpx	Não	Não	Sim
fpx	image/vndnet-fpx	Não	Não	Sim
g3	image/g3fax	Não	Não	Sim
gif	image/gif	Não	Não	Sim
gl	video/gl	Sim	Não	Sim
gl	video/x-gl	Sim	Não	Sim
gsd	audio/x-gsm	Sim	Não	Não
gsm	audio/x-gsm	Sim	Não	Não
htm	text/html	Não	Sim	Sim
html	text/html	Não	Sim	Sim
htmls	text/html	Não	Sim	Sim
ico	image/x-icon	Não	Não	Sim
ief	image/ief	Não	Não	Sim
iefs	image/ief	Não	Não	Sim
jfif	image/jpeg	Não	Não	Sim
jfif	image/pjpeg	Não	Não	Sim
jfif-tbnl	image/jpeg	Não	Não	Sim
jpe	image/jpeg	Não	Não	Sim
jpe	image/pjpeg	Não	Não	Sim
jpeg	image/jpeg	Não	Não	Sim
jpeg	image/pjpeg	Não	Não	Sim
jpg	image/jpeg	Não	Não	Sim
jps	image/x-jps	Não	Não	Sim
jut	image/jutvision	Não	Não	Sim
kar	audio/midi	Sim	Não	Não
kar	music/x-karaoke	Sim	Não	Não
lam	audio/x-liveaudio	Sim	Não	Não
lma	audio/nsaudio	Sim	Não	Não
lma	audio/x-nsaudio	Sim	Não	Não
m1v	video/mpeg	Sim	Não	Sim
m2a	audio/mpeg	Sim	Não	Não
m2v	video/mpeg	Sim	Não	Sim
mcf				
mid	audio/midi	Sim	Não	Não
mid	audio/x-mid	Sim	Não	Não
mid	audio/x-midi	Sim	Não	Não
mid	music/crescendo	Sim	Não	Não
mid	x-music/x-midi	Sim	Não	Não
midi	application/x-midi	Sim	Não	Não
midi	audio/midi	Sim	Não	Não

Extensão	MIME type	hasAuditory	hasText	hasVisual
midi	audio/x-mid	Sim	Não	Não
midi	audio/x-midi	Sim	Não	Não
midi	music/crescendo	Sim	Não	Não
midi	x-music/x-midi	Sim	Não	Não
mjf	audio/x-vndaudioexplosion mjuicemediatile	Sim	Não	Não
mod	audio/mod	Sim	Não	Não
mod	audio/x-mod	Sim	Não	Não
moov	video/quicktime	Sim	Não	Sim
mov	video/quicktime	Sim	Não	Sim
movie	video/x-sgi-movie	Sim	Não	Sim
mp2	audio/mpeg	Sim	Não	Não
mp2	audio/x-mpeg	Sim	Não	Não
mp2	video/mpeg	Sim	Não	Sim
mp2	video/x-mpeg	Sim	Não	Sim
mp2	video/x-mpeg2a	Sim	Não	Sim
mp3	audio/mpeg3	Sim	Não	Não
mp3	audio/x-mpeg-3	Sim	Não	Não
mp3	video/mpeg	Sim	Não	Sim
mp3	video/x-mpeg	Sim	Não	Sim
mpa	audio/mpeg	Sim	Não	Não
mpa	video/mpeg	Sim	Não	Sim
mpe	video/mpeg	Sim	Não	Sim
mpeg	video/mpeg	Sim	Não	Sim
mpg	audio/mpeg	Sim	Não	Não
mpg	video/mpeg	Sim	Não	Sim
mpga	audio/mpeg	Sim	Não	Não
mv	video/x-sgi-movie	Sim	Não	Sim
my	audio/make	Sim	Não	Não
nif	image/x-niff	Não	Não	Sim
niff	image/x-niff	Não	Não	Sim
pct	image/x-pict	Não	Não	Sim
pcx	image/x-pcx	Não	Não	Sim
pfunk	audio/make	Sim	Não	Não
pfunk	audio/makemyfunk	Sim	Não	Não
pgm	image/x-portable-graymap	Não	Não	Sim
pgm	image/x-portable-greymap	Não	Não	Sim
pic	image/pict	Não	Não	Sim
pict	image/pict	Não	Não	Sim
png	image/png	Não	Não	Sim
ppm	image/x-portable-pixmap	Não	Não	Sim
pps	application/mspowerpoint	Não	Sim	Sim
pps	application/vndms-powerpoint	Não	Sim	Sim

Extensão	MIME type	hasAuditory	hasText	hasVisual
ppt	application/mspowerpoint	Não	Sim	Sim
ppt	application/powerpoint	Não	Sim	Sim
ppt	application/vndms-powerpoint	Não	Sim	Sim
ppt	application/x-mspowerpoint	Não	Sim	Sim
ppz	application/mspowerpoint	Não	Sim	Sim
qif	image/x-quicktime	Não	Não	Sim
qt	video/quicktime	Sim	Não	Sim
qtc	video/x-qtc	Sim	Não	Sim
qti	image/x-quicktime	Não	Não	Sim
qtif	image/x-quicktime	Não	Não	Sim
ra	audio/x-pn-realaudio	Sim	Não	Não
ra	audio/x-pn-realaudio-plugin	Sim	Não	Não
ra	audio/x-realaudio	Sim	Não	Não
ram	audio/x-pn-realaudio	Sim	Não	Não
ras	application/x-cmu-raster	Não	Não	Sim
ras	image/cmu-raster	Não	Não	Sim
ras	image/x-cmu-raster	Não	Não	Sim
rast	image/cmu-raster	Não	Não	Sim
rf	image/vndrn-realflash	Não	Não	Sim
rm	application/vndrn-realmedia	Sim	Não	Não
rm	audio/x-pn-realaudio	Sim	Não	Não
rmi	audio/mid	Sim	Não	Não
rmp	audio/x-pn-realaudio	Sim	Não	Não
rmp	audio/x-pn-realaudio-plugin	Sim	Não	Não
rng	application/ringing-tones	Sim	Não	Não
rng	application/vndnokiaringing-tone	Sim	Não	Não
rpm	audio/x-pn-realaudio-plugin	Sim	Não	Não
rt	text/richtext	Não	Sim	Não
rt	text/vndrn-realttext	Não	Sim	Não
rtf	application/rtf	Não	Sim	Não
rtf	application/x-rtf	Não	Sim	Não
rtf	text/richtext	Não	Sim	Não
rtx	application/rtf	Não	Sim	Não
rtx	text/richtext	Não	Sim	Não
rv	video/vndrn-realvideo	Sim	Não	Sim
sid	audio/x-psid	Sim	Não	Não
snd	audio/basic	Sim	Não	Não
snd	audio/x-adpcm	Sim	Não	Não
svf	image/vnddwg	Não	Não	Sim
svf	image/x-dwg	Não	Não	Sim
swf	application/x-shockwave-flash	Não	Não	Sim
text	application/plain	Não	Sim	Não
text	text/plain	Não	Sim	Não

Extensão	MIME type	hasAuditory	hasText	hasVisual
tif	image/tiff	Não	Não	Sim
tif	image/x-tiff	Não	Não	Sim
tiff	image/tiff	Não	Não	Sim
tiff	image/x-tiff	Não	Não	Sim
tsi	audio/tsp-audio	Sim	Não	Não
tsp	audio/tsplayer	Sim	Não	Não
turbot	image/florian	Não	Não	Sim
txt	text/plain	Não	Sim	Não
vdo	video/vdo	Sim	Não	Sim
viv	video/vivo	Sim	Não	Sim
viv	video/vndvivo	Sim	Não	Sim
vivo	video/vivo	Sim	Não	Sim
vivo	video/vndvivo	Sim	Não	Sim
voc	audio/voc	Sim	Não	Não
voc	audio/x-voc	Sim	Não	Não
vos	video/vosaic	Sim	Não	Sim
vox	audio/voxware	Sim	Não	Não
vqe	audio/x-twinvq-plugin	Sim	Não	Não
vqf	audio/x-twinvq	Sim	Não	Não
vql	audio/x-twinvq-plugin	Sim	Não	Não
w60	application/wordperfect60	Não	Sim	Não
w61	application/wordperfect61	Não	Sim	Não
w6w	application/msword	Não	Sim	Não
wav	audio/wav	Sim	Não	Não
wav	audio/x-wav	Sim	Não	Não
wbmp	image/vndwapwbmp	Não	Não	Sim
wmf	windows/metafile	Não	Não	Sim
wp	application/wordperfect	Não	Sim	Não
wp5	application/wordperfect	Não	Sim	Não
wp5	application/wordperfect60	Não	Sim	Não
wpd	application/wordperfect	Não	Sim	Não
wri	application/mswrite	Não	Sim	Não
wri	application/x-wri	Não	Sim	Não
xbm	image/x-xbitmap	Não	Não	Sim
xbm	image/x-xbm	Não	Não	Sim
xbm	image/xbm	Não	Não	Sim
xdr	video/x-amt-demorun	Sim	Não	Sim
xif	image/vndxiff	Não	Não	Sim
xm	audio/xm	Sim	Não	Não
xml	application/xml	Não	Sim	Não
xml	text/xml	Não	Sim	Não
xpm	image/x-ypixmap	Não	Não	Sim
xpm	image/xpm	Não	Não	Sim

Extensão	MIME type	hasAuditory	hasText	hasVisual
x-png	image/png	Não	Não	Sim
xsr	video/x-amt-showrun	Sim	Não	Sim
xwd	image/x-xwd	Não	Não	Sim
xwd	image/x-xwindowdump	Não	Não	Sim

Tabela 7.1: Informações de acessibilidade segundo MIME Type e/ou extensão

A.6 XML contendo os códigos de línguas e suas traduções em outras línguas utilizado pelo Mapeamento do Perfil de Usuários

```

<?xml version="1.0" encoding="iso-8859-1" ?>
<!-- Author:    Raphael Ghelman -->
<!-- Date:      20th April, 2006 -->
<!-- Version:   1.0 -->
<!-- Used in AccessForAll-LORIS -->
<!-- References: -->
<!-- http://www.loc.gov/standards/iso639-2/langcodes.html -->
<!-- http://my.netscape.com/publish/formats/rss-spec-0.91.html -->
<!-- http://msdn.microsoft.com/library/default.asp?url=/library/
    en-us/intl/nls_9l2r.asp -->
<languages>
  <language code="aa">
    <string language="en">Afar</string>
    <string language="fr">afar</string>
    <string language="pt-BR">Africâner</string>
  </language>
  <language code="ab">
    <string language="en">Abkhazian</string>
    <string language="fr">abkhaze</string>
  </language>
  <language code="af">
    <string language="en">Afrikaans</string>
    <string language="fr">afrikaans</string>
  </language>
  <language code="ak">
    <string language="en">Akan</string>
    <string language="fr">akan</string>
  </language>
  <language code="sq">
    <string language="en">Albanian</string>
    <string language="fr">albanais</string>
    <string language="pt-BR">Albanês</string>
  </language>
  <language code="am">
    <string language="en">Amharic</string>
    <string language="fr">amharique</string>
    <string language="pt-BR">Amárico</string>
  </language>
  <language code="ar">
    <string language="en">Arabic</string>
    <string language="fr">arabe</string>
    <string language="pt-BR">Árabe</string>
  </language>
  <language code="ar-SA">
    <string language="en">Arabic (Saudi Arabia)</string>
    <string language="pt-BR">Árabe (Arábia Saudita)</string>
  </language>

```

```

<language code="ar-LB">
  <string language="en">Arabic (Lebanon)</string>
  <string language="pt-BR">Árabe (Libano)</string>
</language>
<language code="ar-EG">
  <string language="en">Arabic (Egypt)</string>
  <string language="pt-BR">Árabe (Egito)</string>
</language>
<language code="ar-DZ">
  <string language="en">Arabic (Algeria)</string>
  <string language="pt-BR">Árabe (Algéria)</string>
</language>
<language code="ar-BH">
  <string language="en">Arabic (Bahrain)</string>
  <string language="pt-BR">Árabe (Bahrein)</string>
</language>
<language code="ar-IQ">
  <string language="en">Arabic (Iraq)</string>
  <string language="pt-BR">Árabe (Iraque)</string>
</language>
<language code="ar-JO">
  <string language="en">Arabic (Jordan)</string>
  <string language="pt-BR">Árabe (Jordânia)</string>
</language>
<language code="ar-KW">
  <string language="en">Arabic (Kuwait)</string>
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