Named Information Items (NII): an XML Language for Configuration Information

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Public Specification

The **Named Information Item** (NII) format provides a conventions in XML for representing lists of information arranged into sets. From this point of view it is a general architecture. This note details first the general conventions. Appendixes then gives the specific NII files used in the Topologi Collaborative Markup Editor, an example of the ISO standard entity sets, and an example of 3B2 processing instructions.
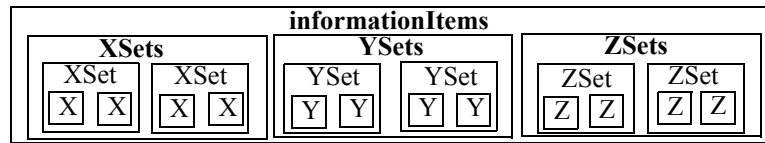
NII fills a gap in current standard languages for a standard way to represent collections of named sets of named similar items.

NII Conventions

- The top-level element is `informationItems` which contains collections.
- The next-level elements are collections, named with the name of the information item of interest, and the suffix Sets
- The third-level elements are sets, named with the name of the information item of interest, and the suffix `Set`
- Each set must have a `name` attribute giving the display name for that set
- The fourth-level elements are items, named with the name of the information item of interest.
- Each item must have a `name` attribute giving the display name for that item
- Subsequent levels are application-dependent.
- Elements may have other attributes as required by the application

FIGURE 1. **The Organization of an NII File**

This provides a simple partitioning scheme, where multiple sets of items can be represented without collision.

The NII format was developed to provide a simple alternative XML format for representing the ISO public entity sets.

Appendix A: Topologi's NII file format

The Topologi Collaborative Markup Editor uses NII files to configure the Sidebar Assistant, a kind of template/autocompletion mechanism. (The NII files also provide other information that can be used by other parts of the editor.) The NII files provide an interface which (planned) sidebar extraction programs can use.

Currently, the NII files should be located in an XAR (XML Application Archive). The NII file appears under the `vendor/topologi.com/` directory in the XAR archive, with a `.nii` extension.

The NII files provide declarations for:

- sets of element declarations
- sets of attribute declarations (not used in the current editor)
- sets of entity declarations
- sets of processing instruction declarations
- sets of conventional comment templates
- sets of notation declarations (not used)

In the current Topologi Collaborative Markup Editor, these must be created by hand. However, in some future system, the declarations could be extracted from DTDs or schemas, or by sampling document sets.

Following is basically the DTD used, however this is an open DTD: other elements that conform to the NII conventions can be added without breaking the software:

```
<?xml version="1.0" ?>
<!DOCTYPE informationItems [
<!-- A DTD for declaring sets of information item names.
     2002 (C) Topologi, Pty, Ltd
     Rick Jelliffe, ricko@topologi.com
    The top-level element is information item.
-->
<!ELEMENT informationItems
    ( elementSets?, entitySets?, processingSets?, commentSets?) >

<!ELEMENT elementSets  (elementSet+)>
<!ELEMENT entitySets (entitySet+) >
<!ELEMENT processingSets (processingSet+) >
```

```
<!ELEMENT commentSets (commentSet+) >

<!ELEMENT elementSet  (element+)>
<!ELEMENT entitySet (entity+) >
<!ELEMENT processingSet (pi+) >
<!ELEMENT commentSet (comment+) >

<!ATTLIST elementSet
    name CDATA #REQUIRED
    prefix NMTOKEN #IMPLIED
    sysid  CDATA       #IMPLIED
    pubid  CDATA       #IMPLIED
    help CDATA #IMPLIED
>
<!ATTLIST entitySet
    name CDATA #REQUIRED
    prefix NMTOKEN #IMPLIED
    sysid  CDATA       #IMPLIED
    pubid  CDATA       #IMPLIED
    help CDATA #IMPLIED
>
<!ATTLIST processingSet
    name CDATA #REQUIRED
    prefix NMTOKEN #IMPLIED
    sysid  CDATA       #IMPLIED
    pubid  CDATA       #IMPLIED
    help CDATA #IMPLIED
>
<!ATTLIST commentSet
    name CDATA #REQUIRED
    prefix NMTOKEN #IMPLIED
    sysid  CDATA       #IMPLIED
    pubid  CDATA       #IMPLIED
    help CDATA #IMPLIED
>


<!ELEMENT element  ANY >
<!ELEMENT entity  ANY >
<!ELEMENT pi   ANY >
<!ELEMENT comment  ANY >

<!ATTLIST element
    name CDATA #REQUIRED
    status ( deprecate | unused | neutral | new ) "neutral"
    content ( element | mixed | empty | pcdata | cdata | rcdata |
default ) "default"
    help CDATA #IMPLIED
>
<!ATTLIST entity
    name CDATA #REQUIRED
    status ( deprecate | unused | neutral | new ) "neutral"
    content ( xml | sgml | dtd | ndata | cdata)  "xml"
    sysid  CDATA       #IMPLIED
    pubid  CDATA       #IMPLIED
    help CDATA #IMPLIED
>
<!ATTLIST pi
    name CDATA #REQUIRED
    status ( deprecate | unused | neutral | new ) "neutral"
    help CDATA #IMPLIED
>
<!ATTLIST comment
    name CDATA #REQUIRED
    status ( deprecate | unused | neutral | new ) "neutral"
```

```
     help CDATA #IMPLIED
>

]>
```

Most NII files will have the appropriate DTD at their head.

The NII entries are mainly used in the Topologi Collaborative Markup Editor in the Sidebar Assistant. This provides some autocompletion and templates. When developing an application, you can use these template to provide the tags for an element and its typical required children. The templates are text, and so must be delimited in CDATA marked sections.

For example, when the user types the Tag Open delimiter "<" the sidebar will select the Element tab. As the user types more characters, the sidebar entry with the closest match will be selected. The sidebar will jump through all the element sets to find a match.

An NII file can have multiple sets of element declarations, because these may correspond to different namespaces or different modules. For example, the Docbook DTD includes the CALS table element declarations: we put those into its own elementSet to allow the user to find them more easily.

The sets have other identifiers associated with them: for example, SGML Formal Public Identifiers. The sets can also have a prefix string, which is a shorthand characteristic prefix name for the set: the names and prefixes could be used to help select an item (e.g. type &iso-num: and the iso-num character set will be selected). For elements, the prefix can be used to make sure that qualified names are being used.

In general, when creating an NII file, the issue of whitespace is important: in general, you should not have any leading whitespace: that is least disruptive to formatting.

The attribute *status* can be used to flag if an item is deprecated, new, unused or neutral. Each of these may be displayed differently in the list. Because many production environments have house rules about which elements or entities to use, in large standard DTDs, this allows the rules to be clearer to users.

The attribute *type* is available on some items. It is not used by the sidebar, but may be used in the future by the editor itself. In particular, it is used for SGML elements to give the *declared content type*, which should set the parser mode. (Currently, the editor does not understand these.) For NII files for SGML DTDs, it is good practise to include the correct type information, to prepare for this.

Appendix B: ISO Entity Sets

The following is a listing of the standard ISO public entity sets, mapped to Unicode. (The mapping is under review.) Note that in the following case, we are passing the characters as literals, not as entity references: hence the use of CDATA sections.

```
<informationItems>
<entitySets>
<entitySet name="iso-amsa">
<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz
     With additional derivations from
     ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/SGML.TXT -->
```

```
<entity  name="cularr"><![CDATA[&#x21B6;]]></entity> <!-- ANTICLOCKWISE TOP SEMICIRCLE
ARROW -->
<entity  name="curarr"><![CDATA[&#x21B7;]]></entity> <!-- CLOCKWISE TOP SEMICIRCLE ARROW
-->
<entity  name="dArr"><![CDATA[&#x21D3;]]></entity> <!-- DOWNWARDS DOUBLE ARROW -->
<entity  name="darr2"><![CDATA[&#x21CA;]]></entity> <!-- DOWNWARDS PAIRED ARROWS -->
<entity  name="dharl"><![CDATA[&#x21C3;]]></entity> <!-- DOWNWARDS HARPOON WITH BARB
LEFTWARDS -->
<entity  name="dharr"><![CDATA[&#x21C2;]]></entity> <!-- DOWNWARDS HARPOON WITH BARB
RIGHTWARDS -->
<entity  name="lAarr"><![CDATA[&#x21DA;]]></entity> <!-- LEFTWARDS TRIPLE ARROW -->
<entity  name="Larr"><![CDATA[&#x219E;]]></entity> <!-- LEFTWARDS TWO HEADED ARROW -->
<entity  name="larr2"><![CDATA[&#x21C7;]]></entity> <!-- LEFTWARDS PAIRED ARROWS -->
<entity  name="larrhk"><![CDATA[&#x21A9;]]></entity> <!-- LEFTWARDS ARROW WITH HOOK -->
<entity  name="larrlp"><![CDATA[&#x21AB;]]></entity> <!-- LEFTWARDS ARROW WITH LOOP -->
<entity  name="larrtl"><![CDATA[&#x21A2;]]></entity> <!-- LEFTWARDS ARROW WITH TAIL -->
<entity  name="lhard"><![CDATA[&#x21BD;]]></entity> <!-- LEFTWARDS HARPOON WITH BARB
DOWNWARDS -->
<entity  name="lharu"><![CDATA[&#x21BC;]]></entity> <!-- LEFTWARDS HARPOON WITH BARB
UPWARDS -->
<entity  name="hArr"><![CDATA[&#x21D4;]]></entity> <!--  -->
<entity  name="harr"><![CDATA[&#x2194;]]></entity> <!-- LEFT RIGHT ARROW -->
<entity  name="lrarr2"><![CDATA[&#x21C6;]]></entity> <!-- LEFTWARDS ARROW OVER RIGHT-
WARDS ARROW -->
<entity  name="rlarr2"><![CDATA[&#x21C4;]]></entity> <!-- RIGHTWARDS ARROW OVER LEFT-
WARDS ARROW -->
<entity  name="harrw"><![CDATA[&#x21AD;]]></entity> <!-- LEFT RIGHT WAVE ARROW -->
<entity  name="rlhar2"><![CDATA[&#x21CC;]]></entity> <!-- RIGHTWARDS HARPOON OVER LEFT-
WARDS HARPOON -->
<entity  name="lrhar2"><![CDATA[&#x21CB;]]></entity> <!-- LEFTWARDS HARPOON OVER RIGHT-
WARDS HARPOON -->
<entity  name="lsh"><![CDATA[&#x21B0;]]></entity> <!-- UPWARDS ARROW WITH TIP LEFTWARDS
-->
<entity  name="map"><![CDATA[&#x21A6;]]></entity> <!-- RIGHTWARDS ARROW FROM BAR -->
<entity  name="mumap"><![CDATA[&#x22B8;]]></entity> <!-- MULTIMAP -->
<entity  name="nearr"><![CDATA[&#x2197;]]></entity> <!-- NORTH EAST ARROW -->
<entity  name="nlArr"><![CDATA[&#x21CD;]]></entity> <!-- LEFTWARDS DOUBLE ARROW WITH
STROKE -->
<entity  name="nlarr"><![CDATA[&#x219A;]]></entity> <!-- LEFTWARDS ARROW WITH STROKE -->
<entity  name="nhArr"><![CDATA[&#x21CE;]]></entity> <!-- LEFT RIGHT DOUBLE ARROW WITH
STROKE -->
<entity  name="nharr"><![CDATA[&#x21AE;]]></entity> <!-- LEFT RIGHT ARROW WITH STROKE --
>
<entity  name="nrarr"><![CDATA[&#x219B;]]></entity> <!-- RIGHTWARDS ARROW WITH STROKE --
>
<entity  name="nrArr"><![CDATA[&#x21CF;]]></entity> <!-- RIGHTWARDS DOUBLE ARROW WITH
STROKE -->
<entity  name="nwarr"><![CDATA[&#x2196;]]></entity> <!-- NORTH WEST ARROW -->
<entity name="olarr"><![CDATA[&#x21BA;]]></entity> <!-- ANTICLOCKWISE OPEN CIRCLE ARROW
-->
<entity  name="orarr"><![CDATA[&#x21BB;]]></entity> <!-- CLOCKWISE OPEN CIRCLE ARROW -->
<entity  name="rAarr"><![CDATA[&#x21DB;]]></entity> <!-- RIGHTWARDS TRIPLE ARROW -->
<entity  name="Rarr"><![CDATA[&#x21A0;]]></entity> <!-- RIGHTWARDS TWO HEADED ARROW -->
<entity  name="rarr2"><![CDATA[&#x21C9;]]></entity> <!-- RIGHTWARDS PAIRED ARROWS -->
<entity  name="rarrhk"><![CDATA[&#x21AA;]]></entity> <!-- RIGHTWARDS ARROW WITH HOOK -->
<entity  name="rarrlp"><![CDATA[&#x21AC;]]></entity> <!-- RIGHTWARDS ARROW WITH LOOP -->
<entity  name="rarrtl"><![CDATA[&#x21A3;]]></entity> <!-- RIGHTWARDS ARROW WITH TAIL -->
<entity  name="rarrw"><![CDATA[&#x219D;]]></entity> <!-- RIGHTWARDS SQUIGGLE ARROW -->
<entity  name="rhard"><![CDATA[&#x21C1;]]></entity> <!-- RIGHTWARDS HARPOON WITH BARB
DOWNWARDS -->
<entity  name="rharu"><![CDATA[&#x21C0;]]></entity> <!-- RIGHTWARDS HARPOON WITH BARB
UPWARDS -->
<entity name="rsh"><![CDATA[&#x21B1;]]></entity> <!-- UPWARDS ARROW WITH TIP RIGHTWARDS
-->
<entity  name="drarr"><![CDATA[&#x2198;]]></entity> <!-- SOUTH EAST ARROW -->
<entity  name="dlarr"><![CDATA[&#x2199;]]></entity> <!-- SOUTH WEST ARROW -->
<entity  name="uArr"><![CDATA[&#x21D1;]]></entity> <!-- UPWARDS DOUBLE ARROW -->
<entity  name="uarr2"><![CDATA[&#x21C8;]]></entity> <!-- UPWARDS PAIRED ARROWS -->
<entity  name="vArr"><![CDATA[&#x21D5;]]></entity> <!-- UP DOWN DOUBLE ARROW -->
<entity  name="varr"><![CDATA[&#x2195;]]></entity> <!-- UP DOWN ARROW -->
<entity  name="uharl"><![CDATA[&#x21BF;]]></entity> <!-- UPWARDS HARPOON WITH BARB LEFT-
WARDS -->
<entity  name="uharr"><![CDATA[&#x21BE;]]></entity> <!-- UPWARDS HARPOON WITH BARB
RIGHTWARDS -->
<entity  name="xlArr"><![CDATA[&#x21D0;]]></entity> <!-- LEFTWARDS DOUBLE ARROW -->
<entity  name="xhArr"><![CDATA[&#x2194;]]></entity> <!-- LEFT RIGHT ARROW -->
<entity  name="xharr"><![CDATA[&#x2194;]]></entity> <!-- LEFT RIGHT ARROW -->
<entity  name="xrArr"><![CDATA[&#x21D2;]]></entity> <!-- RIGHTWARDS DOUBLE ARROW -->
  </entitySet>

  <entitySet name="iso-amsb">
<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz.
     With additional derivations from
     ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/SGML.TXT -->

<entity  name="amalg"><![CDATA[&#x2210;]]></entity> <!-- N-ARY COPRODUCT -->
<entity  name="Barwed"><![CDATA[&#x2306;]]></entity> <!-- PERSPECTIVE -->
```

```
<entity  name="barwed"><![CDATA[&#x22BC;]]></entity> <!-- NAND -->
<entity  name="Cap"><![CDATA[&#x22D2;]]></entity> <!-- DOUBLE INTERSECTION -->
<entity  name="Cup"><![CDATA[&#x22D3;]]></entity> <!-- DOUBLE UNION -->
<entity  name="cuvee"><![CDATA[&#x22CE;]]></entity> <!-- CURLY LOGICAL OR -->
<entity  name="cuwed"><![CDATA[&#x22CF;]]></entity> <!-- CURLY LOGICAL AND -->
<entity  name="diam"><![CDATA[&#x22C4;]]></entity> <!-- DIAMOND OPERATOR -->
<entity  name="divonx"><![CDATA[&#x22C7;]]></entity> <!-- DIVISION TIMES -->
<entity  name="intcal"><![CDATA[&#x22BA;]]></entity> <!-- INTERCALATE -->
<entity  name="lthree"><![CDATA[&#x22CB;]]></entity> <!-- LEFT SEMIDIRECT PRODUCT -->
<entity  name="ltimes"><![CDATA[&#x22C9;]]></entity> <!-- LEFT NORMAL FACTOR SEMIDIRECT
PRODUCT -->
<entity  name="minusb"><![CDATA[&#x229F;]]></entity> <!-- SQUARED MINUS -->
<entity  name="oast"><![CDATA[&#x229B;]]></entity> <!-- CIRCLED ASTERISK OPERATOR -->
<entity  name="ocir"><![CDATA[&#x229A;]]></entity> <!-- CIRCLED RING OPERATOR -->
<entity  name="odash"><![CDATA[&#x229D;]]></entity> <!-- CIRCLED DASH -->
<entity  name="odot"><![CDATA[&#x2299;]]></entity> <!-- CIRCLED DOT OPERATOR -->
<entity  name="ominus"><![CDATA[&#x2296;]]></entity> <!-- CIRCLED MINUS -->
<entity  name="oplus"><![CDATA[&#x2295;]]></entity> <!-- CIRCLED PLUS -->
<entity  name="osol"><![CDATA[&#x2298;]]></entity> <!-- CIRCLED DIVISION SLASH -->
<entity  name="otimes"><![CDATA[&#x2297;]]></entity> <!-- CIRCLED TIMES -->
<entity  name="plusb"><![CDATA[&#x229E;]]></entity> <!-- SQUARED PLUS -->
<entity  name="plusdo"><![CDATA[&#x2214;]]></entity> <!-- DOT PLUS -->
<entity  name="rthree"><![CDATA[&#x22CC;]]></entity> <!-- RIGHT SEMIDIRECT PRODUCT -->
<entity  name="rtimes"><![CDATA[&#x22CA;]]></entity> <!-- RIGHT NORMAL FACTOR SEMIDIRECT
PRODUCT -->
<entity  name="sdot"><![CDATA[&#x22C5;]]></entity> <!-- DOT OPERATOR -->
<entity  name="sdotb"><![CDATA[&#x22A1;]]></entity> <!-- SQUARED DOT OPERATOR -->
<entity  name="setmn"><![CDATA[&#x2216;]]></entity> <!-- SET MINUS -->
<entity  name="sqcap"><![CDATA[&#x2293;]]></entity> <!-- SQUARE CAP -->
<entity  name="sqcup"><![CDATA[&#x2294;]]></entity> <!-- SQUARE CUP -->
<entity  name="ssetmn"><![CDATA[&#x2216;]]></entity> <!-- SET MINUS -->
<entity  name="sstarf"><![CDATA[&#x22C6;]]></entity> <!-- STAR OPERATOR -->
<entity  name="timesb"><![CDATA[&#x22A0;]]></entity> <!-- SQUARED TIMES -->
<entity  name="top"><![CDATA[&#x22A4;]]></entity> <!-- DOWN TACK -->
<entity  name="uplus"><![CDATA[&#x228E;]]></entity> <!-- MULTISET UNION -->
<entity  name="wreath"><![CDATA[&#x2240;]]></entity> <!-- WREATH PRODUCT -->
<entity  name="xcirc"><![CDATA[&#x25CB;]]></entity> <!-- WHITE CIRCLE -->
<entity  name="xdtri"><![CDATA[&#x25BD;]]></entity> <!-- WHITE DOWN-POINTING TRIANGLE --
>
<entity  name="xutri"><![CDATA[&#x25B3;]]></entity> <!-- WHITE UP-POINTING TRIANGLE -->
<entity  name="coprod"><![CDATA[&#x2210;]]></entity> <!-- N-ARY COPRODUCT -->
<entity  name="prod"><![CDATA[&#x220F;]]></entity> <!-- N-ARY PRODUCT -->
<entity  name="sum"><![CDATA[&#x2211;]]></entity> <!-- N-ARY SUMMATION -->
  </entitySet>

<entitySet name="iso-amsc" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="rceil"><![CDATA[&#x2309;]]></entity> <!-- RIGHT CEILING -->
<entity  name="rfloor"><![CDATA[&#x230B;]]></entity> <!-- RIGHT FLOOR -->
<entity  name="rpargt"><![CDATA[&#xE291;]]></entity> <!--  -->
<entity  name="urcorn"><![CDATA[&#x231D;]]></entity> <!-- TOP RIGHT CORNER -->
<entity  name="drcorn"><![CDATA[&#x231F;]]></entity> <!-- BOTTOM RIGHT CORNER -->
<entity  name="lceil"><![CDATA[&#x2308;]]></entity> <!-- LEFT CEILING -->
<entity  name="lfloor"><![CDATA[&#x230A;]]></entity> <!-- LEFT FLOOR -->
<!--    lpargtUnknown unicode character -->
<entity  name="ulcorn"><![CDATA[&#x231C;]]></entity> <!-- TOP LEFT CORNER -->
<entity  name="dlcorn"><![CDATA[&#x231E;]]></entity> <!-- BOTTOM LEFT CORNER -->
  </entitySet>

<entitySet name="iso-cyr1" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="acy"><![CDATA[&#x0430;]]></entity> <!-- CYRILLIC SMALL LETTER A -->
<entity  name="Acy"><![CDATA[&#x0410;]]></entity> <!-- CYRILLIC CAPITAL LETTER A -->
<entity  name="bcy"><![CDATA[&#x0431;]]></entity> <!-- CYRILLIC SMALL LETTER BE -->
<entity  name="Bcy"><![CDATA[&#x0411;]]></entity> <!-- CYRILLIC CAPITAL LETTER BE -->
<entity  name="vcy"><![CDATA[&#x0432;]]></entity> <!-- CYRILLIC SMALL LETTER VE -->
<entity  name="Vcy"><![CDATA[&#x0412;]]></entity> <!-- CYRILLIC CAPITAL LETTER VE -->
<entity  name="gcy"><![CDATA[&#x0433;]]></entity> <!-- CYRILLIC SMALL LETTER GHE -->
<entity  name="Gcy"><![CDATA[&#x0413;]]></entity> <!-- CYRILLIC CAPITAL LETTER GHE -->
<entity  name="dcy"><![CDATA[&#x0434;]]></entity> <!-- CYRILLIC SMALL LETTER DE -->
<entity  name="Dcy"><![CDATA[&#x0414;]]></entity> <!-- CYRILLIC CAPITAL LETTER DE -->
<entity  name="iecy"><![CDATA[&#x0435;]]></entity> <!-- CYRILLIC SMALL LETTER IE -->
<entity  name="IEcy"><![CDATA[&#x0415;]]></entity> <!-- CYRILLIC CAPITAL LETTER IE -->
<entity  name="iocy"><![CDATA[&#x0451;]]></entity> <!-- CYRILLIC SMALL LETTER IO -->
<entity  name="IOcy"><![CDATA[&#x0401;]]></entity> <!-- CYRILLIC CAPITAL LETTER IO -->
<entity  name="zhcy"><![CDATA[&#x0436;]]></entity> <!-- CYRILLIC SMALL LETTER ZHE -->
<entity  name="ZHcy"><![CDATA[&#x0416;]]></entity> <!-- CYRILLIC CAPITAL LETTER ZHE -->
<entity  name="zcy"><![CDATA[&#x0437;]]></entity> <!-- CYRILLIC SMALL LETTER ZE -->
<entity  name="Zcy"><![CDATA[&#x0417;]]></entity> <!-- CYRILLIC CAPITAL LETTER ZE -->
<entity  name="icy"><![CDATA[&#x0438;]]></entity> <!-- CYRILLIC SMALL LETTER I -->
<entity  name="Icy"><![CDATA[&#x0418;]]></entity> <!-- CYRILLIC CAPITAL LETTER I -->
<entity  name="jcy"><![CDATA[&#x0439;]]></entity> <!-- CYRILLIC SMALL LETTER SHORT I -->
```

```
<entity  name="Jcy"><![CDATA[&#x0419;]]></entity> <!-- CYRILLIC CAPITAL LETTER SHORT I -
->
<entity  name="kcy"><![CDATA[&#x043A;]]></entity> <!-- CYRILLIC SMALL LETTER KA -->
<entity  name="Kcy"><![CDATA[&#x041A;]]></entity> <!-- CYRILLIC CAPITAL LETTER KA -->
<entity  name="lcy"><![CDATA[&#x043B;]]></entity> <!-- CYRILLIC SMALL LETTER EL -->
<entity  name="Lcy"><![CDATA[&#x041B;]]></entity> <!-- CYRILLIC CAPITAL LETTER EL -->
<entity  name="mcy"><![CDATA[&#x043C;]]></entity> <!-- CYRILLIC SMALL LETTER EM -->
<entity  name="Mcy"><![CDATA[&#x041C;]]></entity> <!-- CYRILLIC CAPITAL LETTER EM -->
<entity  name="ncy"><![CDATA[&#x043D;]]></entity> <!-- CYRILLIC SMALL LETTER EN -->
<entity  name="Ncy"><![CDATA[&#x041D;]]></entity> <!-- CYRILLIC CAPITAL LETTER EN -->
<entity  name="ocy"><![CDATA[&#x043E;]]></entity> <!-- CYRILLIC SMALL LETTER O -->
<entity  name="Ocy"><![CDATA[&#x041E;]]></entity> <!-- CYRILLIC CAPITAL LETTER O -->
<entity  name="pcy"><![CDATA[&#x043F;]]></entity> <!-- CYRILLIC SMALL LETTER PE -->
<entity  name="Pcy"><![CDATA[&#x041F;]]></entity> <!-- CYRILLIC CAPITAL LETTER PE -->
<entity  name="rcy"><![CDATA[&#x0440;]]></entity> <!-- CYRILLIC SMALL LETTER ER -->
<entity  name="Rcy"><![CDATA[&#x0420;]]></entity> <!-- CYRILLIC CAPITAL LETTER ER -->
<entity  name="scy"><![CDATA[&#x0441;]]></entity> <!-- CYRILLIC SMALL LETTER ES -->
<entity  name="Scy"><![CDATA[&#x0421;]]></entity> <!-- CYRILLIC CAPITAL LETTER ES -->
<entity  name="tcy"><![CDATA[&#x0442;]]></entity> <!-- CYRILLIC SMALL LETTER TE -->
<entity  name="Tcy"><![CDATA[&#x0422;]]></entity> <!-- CYRILLIC CAPITAL LETTER TE -->
<entity  name="ucy"><![CDATA[&#x0443;]]></entity> <!-- CYRILLIC SMALL LETTER U -->
<entity  name="Ucy"><![CDATA[&#x0423;]]></entity> <!-- CYRILLIC CAPITAL LETTER U -->
<entity  name="fcy"><![CDATA[&#x0444;]]></entity> <!-- CYRILLIC SMALL LETTER EF -->
<entity  name="Fcy"><![CDATA[&#x0424;]]></entity> <!-- CYRILLIC CAPITAL LETTER EF -->
<entity  name="khcy"><![CDATA[&#x0445;]]></entity> <!-- CYRILLIC SMALL LETTER HA -->
<entity  name="KHcy"><![CDATA[&#x0425;]]></entity> <!-- CYRILLIC CAPITAL LETTER HA -->
<entity  name="tscy"><![CDATA[&#x0446;]]></entity> <!-- CYRILLIC SMALL LETTER TSE -->
<entity  name="TScy"><![CDATA[&#x0426;]]></entity> <!-- CYRILLIC CAPITAL LETTER TSE -->
<entity  name="chcy"><![CDATA[&#x0447;]]></entity> <!-- CYRILLIC SMALL LETTER CHE -->
<entity  name="CHcy"><![CDATA[&#x0427;]]></entity> <!-- CYRILLIC CAPITAL LETTER CHE -->
<entity  name="shcy"><![CDATA[&#x0448;]]></entity> <!-- CYRILLIC SMALL LETTER SHA -->
<entity  name="SHcy"><![CDATA[&#x0428;]]></entity> <!-- CYRILLIC CAPITAL LETTER SHA -->
<entity  name="shchcy"><![CDATA[&#x0449;]]></entity> <!-- CYRILLIC SMALL LETTER SHCHA --
>
<entity  name="SHCHcy"><![CDATA[&#x0429;]]></entity> <!-- CYRILLIC CAPITAL LETTER SHCHA
-->
<entity  name="hardcy"><![CDATA[&#x044A;]]></entity> <!-- CYRILLIC SMALL LETTER HARD
SIGN -->
<entity  name="HARDcy"><![CDATA[&#x042A;]]></entity> <!-- CYRILLIC CAPITAL LETTER HARD
SIGN -->
<entity  name="ycy"><![CDATA[&#x044B;]]></entity> <!-- CYRILLIC SMALL LETTER YERU -->
<entity  name="Ycy"><![CDATA[&#x042B;]]></entity> <!-- CYRILLIC CAPITAL LETTER YERU -->
<entity  name="softcy"><![CDATA[&#x044C;]]></entity> <!-- CYRILLIC SMALL LETTER SOFT
SIGN -->
<entity  name="SOFTcy"><![CDATA[&#x042C;]]></entity> <!-- CYRILLIC CAPITAL LETTER SOFT
SIGN -->
<entity  name="ecy"><![CDATA[&#x044D;]]></entity> <!-- CYRILLIC SMALL LETTER E -->
<entity  name="Ecy"><![CDATA[&#x042D;]]></entity> <!-- CYRILLIC CAPITAL LETTER E -->
<entity  name="yucy"><![CDATA[&#x044E;]]></entity> <!-- CYRILLIC SMALL LETTER YU -->
<entity  name="YUcy"><![CDATA[&#x042E;]]></entity> <!-- CYRILLIC CAPITAL LETTER YU -->
<entity  name="yacy"><![CDATA[&#x044F;]]></entity> <!-- CYRILLIC SMALL LETTER YA -->
<entity  name="YAcy"><![CDATA[&#x042F;]]></entity> <!-- CYRILLIC CAPITAL LETTER YA -->
<entity  name="numero"><![CDATA[&#x2116;]]></entity> <!-- NUMERO SIGN -->
  </entitySet>

<entitySet name="iso-cyr2" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="djcy"><![CDATA[&#x0452;]]></entity> <!-- CYRILLIC SMALL LETTER DJE -->
<entity  name="DJcy"><![CDATA[&#x0402;]]></entity> <!-- CYRILLIC CAPITAL LETTER DJE -->
<entity  name="gjcy"><![CDATA[&#x0453;]]></entity> <!-- CYRILLIC SMALL LETTER GJE -->
<entity  name="GJcy"><![CDATA[&#x0403;]]></entity> <!-- CYRILLIC CAPITAL LETTER GJE -->
<entity  name="jukcy"><![CDATA[&#x0454;]]></entity> <!-- CYRILLIC SMALL LETTER UKRAINIAN
IE -->
<entity  name="Jukcy"><![CDATA[&#x0404;]]></entity> <!-- CYRILLIC CAPITAL LETTER UKRAIN-
IAN IE -->
<entity  name="dscy"><![CDATA[&#x0455;]]></entity> <!-- CYRILLIC SMALL LETTER DZE -->
<entity  name="DScy"><![CDATA[&#x0405;]]></entity> <!-- CYRILLIC CAPITAL LETTER DZE -->
<entity  name="iukcy"><![CDATA[&#x0456;]]></entity> <!-- CYRILLIC SMALL LETTER BYELORUS-
SIAN-UKRAINIAN I -->
<entity  name="Iukcy"><![CDATA[&#x0406;]]></entity> <!-- CYRILLIC CAPITAL LETTER
BYELORUSSIAN-UKRAINIAN I -->
<entity  name="yicy"><![CDATA[&#x0457;]]></entity> <!-- CYRILLIC SMALL LETTER YI -->
<entity  name="YIcy"><![CDATA[&#x0407;]]></entity> <!-- CYRILLIC CAPITAL LETTER YI -->
<entity  name="jsercy"><![CDATA[&#x0458;]]></entity> <!-- CYRILLIC SMALL LETTER JE -->
<entity  name="Jsercy"><![CDATA[&#x0408;]]></entity> <!-- CYRILLIC CAPITAL LETTER JE -->
<entity  name="ljcy"><![CDATA[&#x0459;]]></entity> <!-- CYRILLIC SMALL LETTER LJE -->
<entity  name="LJcy"><![CDATA[&#x0409;]]></entity> <!-- CYRILLIC CAPITAL LETTER LJE -->
<entity  name="njcy"><![CDATA[&#x045A;]]></entity> <!-- CYRILLIC SMALL LETTER NJE -->
<entity  name="NJcy"><![CDATA[&#x040A;]]></entity> <!-- CYRILLIC CAPITAL LETTER NJE -->
<entity  name="tshcy"><![CDATA[&#x045B;]]></entity> <!-- CYRILLIC SMALL LETTER TSHE -->
<entity  name="TSHcy"><![CDATA[&#x040B;]]></entity> <!-- CYRILLIC CAPITAL LETTER TSHE --
>
<entity  name="kjcy"><![CDATA[&#x045C;]]></entity> <!-- CYRILLIC SMALL LETTER KJE -->
<entity  name="KJcy"><![CDATA[&#x040C;]]></entity> <!-- CYRILLIC CAPITAL LETTER KJE -->
```

```
<entity  name="ubrcy"><![CDATA[&#x045E;]]></entity> <!-- CYRILLIC SMALL LETTER SHORT U -
-->
<entity  name="Ubrcy"><![CDATA[&#x040E;]]></entity> <!-- CYRILLIC CAPITAL LETTER SHORT U
-->
<entity  name="dzcy"><![CDATA[&#x045F;]]></entity> <!-- CYRILLIC SMALL LETTER DZHE -->
<entity  name="DZcy"><![CDATA[&#x040F;]]></entity> <!-- CYRILLIC CAPITAL LETTER DZHE -->
  </entitySet>

<entitySet name="iso-dia" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="acute"><![CDATA[&#x00B4;]]></entity> <!-- ACUTE ACCENT -->
<entity  name="breve"><![CDATA[&#x02D8;]]></entity> <!-- BREVE -->
<entity  name="caron"><![CDATA[&#x02C7;]]></entity> <!-- CARON -->
<entity  name="cedil"><![CDATA[&#x00B8;]]></entity> <!-- CEDILLA -->
<entity  name="circ"><![CDATA[&#x005E;]]></entity> <!-- RING OPERATOR -->
<entity  name="dblac"><![CDATA[&#x02DD;]]></entity> <!-- DOUBLE ACUTE ACCENT -->
<entity  name="die"><![CDATA[&#x00A8;]]></entity> <!--  -->
<entity  name="dot"><![CDATA[&#x02D9;]]></entity> <!-- DOT ABOVE -->
<entity  name="grave"><![CDATA[&#x0060;]]></entity> <!-- GRAVE ACCENT -->
<entity  name="macr"><![CDATA[&#x00AF;]]></entity> <!-- MACRON -->
<entity  name="ogon"><![CDATA[&#x02DB;]]></entity> <!-- OGONEK -->
<entity  name="ring"><![CDATA[&#x02DA;]]></entity> <!-- RING ABOVE -->
<entity  name="tilde"><![CDATA[&#x02DC;]]></entity> <!-- TILDE -->
<entity  name="uml"><![CDATA[&#x00A8;]]></entity> <!--  -->
  </entitySet>

<entitySet name="iso-grk1" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="agr"><![CDATA[&#x03B1;]]></entity> <!--  -->
<entity  name="Agr"><![CDATA[&#x0391;]]></entity> <!-- GREEK CAPITAL LETTER ALPHA -->
<entity  name="bgr"><![CDATA[&#x03B2;]]></entity> <!-- GREEK SMALL LETTER BETA -->
<entity  name="Bgr"><![CDATA[&#x0392;]]></entity> <!-- GREEK CAPITAL LETTER BETA -->
<entity  name="ggr"><![CDATA[&#x03B3;]]></entity> <!-- GREEK SMALL LETTER GAMMA -->
<entity  name="Ggr"><![CDATA[&#x0393;]]></entity> <!-- GREEK CAPITAL LETTER GAMMA -->
<entity  name="dgr"><![CDATA[&#x03B4;]]></entity> <!-- GREEK SMALL LETTER DELTA -->
<entity  name="Dgr"><![CDATA[&#x0394;]]></entity> <!-- GREEK CAPITAL LETTER DELTA -->
<entity  name="egr"><![CDATA[&#x03B5;]]></entity> <!--  -->
<entity  name="Egr"><![CDATA[&#x0395;]]></entity> <!-- GREEK CAPITAL LETTER EPSILON -->
<entity  name="zgr"><![CDATA[&#x03B6;]]></entity> <!-- GREEK SMALL LETTER ZETA -->
<entity  name="Zgr"><![CDATA[&#x0396;]]></entity> <!-- GREEK CAPITAL LETTER ZETA -->
<entity  name="eegr"><![CDATA[&#x03B7;]]></entity> <!-- GREEK SMALL LETTER ETA -->
<entity  name="EEgr"><![CDATA[&#x0397;]]></entity> <!-- GREEK CAPITAL LETTER ETA -->
<entity  name="thgr"><![CDATA[&#x03B8;]]></entity> <!--  -->
<entity  name="THgr"><![CDATA[&#x0398;]]></entity> <!-- GREEK CAPITAL LETTER THETA -->
<entity  name="igr"><![CDATA[&#x03B9;]]></entity> <!-- GREEK SMALL LETTER IOTA -->
<entity  name="Igr"><![CDATA[&#x0399;]]></entity> <!-- GREEK CAPITAL LETTER IOTA -->
<entity  name="kgr"><![CDATA[&#x03BA;]]></entity> <!-- GREEK SMALL LETTER KAPPA -->
<entity  name="Kgr"><![CDATA[&#x039A;]]></entity> <!-- GREEK CAPITAL LETTER KAPPA -->
<entity  name="lgr"><![CDATA[&#x03BB;]]></entity> <!-- GREEK SMALL LETTER LAMDA -->
<entity  name="Lgr"><![CDATA[&#x039B;]]></entity> <!-- GREEK CAPITAL LETTER LAMDA -->
<entity  name="mgr"><![CDATA[&#x03BC;]]></entity> <!-- GREEK SMALL LETTER MU -->
<entity  name="Mgr"><![CDATA[&#x039C;]]></entity> <!-- GREEK CAPITAL LETTER MU -->
<entity  name="ngr"><![CDATA[&#x03BD;]]></entity> <!-- GREEK SMALL LETTER NU -->
<entity  name="Ngr"><![CDATA[&#x039D;]]></entity> <!-- GREEK CAPITAL LETTER NU -->
<entity  name="xgr"><![CDATA[&#x03BE;]]></entity> <!-- GREEK SMALL LETTER XI -->
<entity  name="Xgr"><![CDATA[&#x039E;]]></entity> <!-- GREEK CAPITAL LETTER XI -->
<entity  name="ogr"><![CDATA[&#x03BF;]]></entity> <!-- GREEK SMALL LETTER OMICRON -->
<entity  name="Ogr"><![CDATA[&#x039F;]]></entity> <!-- GREEK CAPITAL LETTER OMICRON -->
<entity  name="pgr"><![CDATA[&#x03C0;]]></entity> <!-- GREEK SMALL LETTER PI -->
<entity  name="Pgr"><![CDATA[&#x03A0;]]></entity> <!-- GREEK CAPITAL LETTER PI -->
<entity  name="rgr"><![CDATA[&#x03C1;]]></entity> <!-- GREEK SMALL LETTER RHO -->
<entity  name="Rgr"><![CDATA[&#x03A1;]]></entity> <!-- GREEK CAPITAL LETTER RHO -->
<entity  name="sgr"><![CDATA[&#x03C3;]]></entity> <!-- GREEK SMALL LETTER SIGMA -->
<entity  name="Sgr"><![CDATA[&#x03A3;]]></entity> <!-- GREEK CAPITAL LETTER SIGMA -->
<entity  name="sfgr"><![CDATA[&#x03C2;]]></entity> <!--  -->
<entity  name="tgr"><![CDATA[&#x03C4;]]></entity> <!-- GREEK SMALL LETTER TAU -->
<entity  name="Tgr"><![CDATA[&#x03A4;]]></entity> <!-- GREEK CAPITAL LETTER TAU -->
<entity  name="ugr"><![CDATA[&#x03C5;]]></entity> <!-- GREEK SMALL LETTER UPSILON -->
<entity  name="Ugr"><![CDATA[&#x03A5;]]></entity> <!--  -->
<entity  name="phgr"><![CDATA[&#x03C6;]]></entity> <!-- GREEK SMALL LETTER PHI -->
<entity  name="PHgr"><![CDATA[&#x03A6;]]></entity> <!-- GREEK CAPITAL LETTER PHI -->
<entity  name="khgr"><![CDATA[&#x03C7;]]></entity> <!-- GREEK SMALL LETTER CHI -->
<entity  name="KHgr"><![CDATA[&#x03A7;]]></entity> <!-- GREEK CAPITAL LETTER CHI -->
<entity  name="psgr"><![CDATA[&#x03C8;]]></entity> <!-- GREEK SMALL LETTER PSI -->
<entity  name="PSgr"><![CDATA[&#x03A8;]]></entity> <!-- GREEK CAPITAL LETTER PSI -->
<entity  name="ohgr"><![CDATA[&#x03C9;]]></entity> <!-- GREEK SMALL LETTER OMEGA -->
<entity  name="OHgr"><![CDATA[&#x03A9;]]></entity> <!-- GREEK CAPITAL LETTER OMEGA -->
  </entitySet>
<entitySet name="iso-grk2" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->
```

```
<entity name="aacgr"><![CDATA[&#x03AC;]]></entity> <!-- GREEK SMALL LETTER ALPHA WITH
TONOS -->
<entity name="Aacgr"><![CDATA[&#x0386;]]></entity> <!-- GREEK CAPITAL LETTER ALPHA WITH
TONOS -->
<entity name="eacgr"><![CDATA[&#x03AD;]]></entity> <!-- GREEK SMALL LETTER EPSILON WITH
TONOS -->
<entity name="Eacgr"><![CDATA[&#x0388;]]></entity> <!-- GREEK CAPITAL LETTER EPSILON
WITH TONOS -->
<entity name="eeacgr"><![CDATA[&#x03AE;]]></entity> <!-- GREEK SMALL LETTER ETA WITH
TONOS -->
<entity name="EEacgr"><![CDATA[&#x0389;]]></entity> <!-- GREEK CAPITAL LETTER ETA WITH
TONOS -->
<entity name="idigr"><![CDATA[&#x03CA;]]></entity> <!-- GREEK SMALL LETTER IOTA WITH
DIALYTIKA -->
<entity name="Idigr"><![CDATA[&#x03AA;]]></entity> <!-- GREEK CAPITAL LETTER IOTA WITH
DIALYTIKA -->
<entity name="iacgr"><![CDATA[&#x03AF;]]></entity> <!-- GREEK SMALL LETTER IOTA WITH
TONOS -->
<entity name="Iacgr"><![CDATA[&#x038A;]]></entity> <!-- GREEK CAPITAL LETTER IOTA WITH
TONOS -->
<entity name="idiagr"><![CDATA[&#x0390;]]></entity> <!-- GREEK SMALL LETTER IOTA WITH
DIALYTIKA AND TONOS -->
<entity name="oacgr"><![CDATA[&#x03CC;]]></entity> <!-- GREEK SMALL LETTER OMICRON WITH
TONOS -->
<entity name="Oacgr"><![CDATA[&#x038C;]]></entity> <!-- GREEK CAPITAL LETTER OMICRON
WITH TONOS -->
<entity name="udigr"><![CDATA[&#x03CB;]]></entity> <!-- GREEK SMALL LETTER UPSILON WITH
DIALYTIKA -->
<entity name="Udigr"><![CDATA[&#x03AB;]]></entity> <!-- GREEK CAPITAL LETTER UPSILON
WITH DIALYTIKA -->
<entity name="uacgr"><![CDATA[&#x03CD;]]></entity> <!-- GREEK SMALL LETTER UPSILON WITH
TONOS -->
<entity name="Uacgr"><![CDATA[&#x038E;]]></entity> <!-- GREEK CAPITAL LETTER UPSILON
WITH TONOS -->
<entity name="udiagr"><![CDATA[&#x03B0;]]></entity> <!-- GREEK SMALL LETTER UPSILON
WITH DIALYTIKA AND TONOS -->
<entity name="ohacgr"><![CDATA[&#x03CE;]]></entity> <!-- GREEK SMALL LETTER OMEGA WITH
TONOS -->
<entity name="OHacgr"><![CDATA[&#x038F;]]></entity> <!-- GREEK CAPITAL LETTER OMEGA
WITH TONOS -->
  </entitySet>

<entitySet name="iso-grk3" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity name="alpha"><![CDATA[&#x03B1;]]></entity> <!--  -->
<entity name="beta"><![CDATA[&#x03B2;]]></entity> <!-- GREEK SMALL LETTER BETA -->
<entity name="gamma"><![CDATA[&#x03B3;]]></entity> <!-- GREEK SMALL LETTER GAMMA -->
<entity name="Gamma"><![CDATA[&#x0393;]]></entity> <!-- GREEK CAPITAL LETTER GAMMA -->
<entity name="gammad"><![CDATA[&#x03DC;]]></entity> <!-- GREEK LETTER DIGAMMA -->
<entity name="delta"><![CDATA[&#x03B4;]]></entity> <!-- GREEK SMALL LETTER DELTA -->
<entity name="Delta"><![CDATA[&#x0394;]]></entity> <!-- GREEK CAPITAL LETTER DELTA -->
<entity name="epsi"><![CDATA[&#x220A;]]></entity> <!--  -->
<entity name="epsiv"><![CDATA[&#x03B5;]]></entity> <!--  -->
<entity name="epsis"><![CDATA[&#x220A;]]></entity> <!--  -->
<entity name="zeta"><![CDATA[&#x03B6;]]></entity> <!-- GREEK SMALL LETTER ZETA -->
<entity name="eta"><![CDATA[&#x03B7;]]></entity> <!-- GREEK SMALL LETTER ETA -->
<entity name="thetas"><![CDATA[&#x03B8;]]></entity> <!--  -->
<entity name="Theta"><![CDATA[&#x0398;]]></entity> <!-- GREEK CAPITAL LETTER THETA -->
<entity name="thetav"><![CDATA[&#x03D1;]]></entity> <!--  -->
<entity name="iota"><![CDATA[&#x03B9;]]></entity> <!-- GREEK SMALL LETTER IOTA -->
<entity name="kappa"><![CDATA[&#x03BA;]]></entity> <!-- GREEK SMALL LETTER KAPPA -->
<entity name="kappav"><![CDATA[&#x03F0;]]></entity> <!-- GREEK KAPPA SYMBOL -->
<entity name="lambda"><![CDATA[&#x03BB;]]></entity> <!-- GREEK SMALL LETTER LAMDA -->
<entity name="Lambda"><![CDATA[&#x039B;]]></entity> <!-- GREEK CAPITAL LETTER LAMDA -->
<entity name="mu"><![CDATA[&#x03BC;]]></entity> <!-- GREEK SMALL LETTER MU -->
<entity name="nu"><![CDATA[&#x03BD;]]></entity> <!-- GREEK SMALL LETTER NU -->
<entity name="xi"><![CDATA[&#x03BE;]]></entity> <!-- GREEK SMALL LETTER XI -->
<entity name="Xi"><![CDATA[&#x039E;]]></entity> <!-- GREEK CAPITAL LETTER XI -->
<entity name="pi"><![CDATA[&#x03C0;]]></entity> <!-- GREEK SMALL LETTER PI -->
<entity name="piv"><![CDATA[&#x03D6;]]></entity> <!-- GREEK PI SYMBOL -->
<entity name="Pi"><![CDATA[&#x03A0;]]></entity> <!-- GREEK CAPITAL LETTER PI -->
<entity name="rho"><![CDATA[&#x03C1;]]></entity> <!-- GREEK SMALL LETTER RHO -->
<entity name="rhov"><![CDATA[&#x03F1;]]></entity> <!-- GREEK RHO SYMBOL -->
<entity name="sigma"><![CDATA[&#x03C3;]]></entity> <!-- GREEK SMALL LETTER SIGMA -->
<entity name="Sigma"><![CDATA[&#x03A3;]]></entity> <!-- GREEK CAPITAL LETTER SIGMA -->
<entity name="sigmav"><![CDATA[&#x03C2;]]></entity> <!--  -->
<entity name="tau"><![CDATA[&#x03C4;]]></entity> <!-- GREEK SMALL LETTER TAU -->
<entity name="upsi"><![CDATA[&#x03C5;]]></entity> <!-- GREEK SMALL LETTER UPSILON -->
<entity name="Upsi"><![CDATA[&#x03D2;]]></entity> <!--  -->
<entity name="phis"><![CDATA[&#x03C6;]]></entity> <!-- GREEK SMALL LETTER PHI -->
<entity name="Phi"><![CDATA[&#x03A6;]]></entity> <!-- GREEK CAPITAL LETTER PHI -->
<entity name="phiv"><![CDATA[&#x03D5;]]></entity> <!-- GREEK PHI SYMBOL -->
<entity name="chi"><![CDATA[&#x03C7;]]></entity> <!-- GREEK SMALL LETTER CHI -->
<entity name="psi"><![CDATA[&#x03C8;]]></entity> <!-- GREEK SMALL LETTER PSI -->
```

```
<entity  name="Psi"><![CDATA[&#x03A8;]]></entity> <!-- GREEK CAPITAL LETTER PSI -->
<entity  name="omega"><![CDATA[&#x03C9;]]></entity> <!-- GREEK SMALL LETTER OMEGA -->
<entity  name="Omega"><![CDATA[&#x03A9;]]></entity> <!-- GREEK CAPITAL LETTER OMEGA -->
  </entitySet>

<entitySet name="iso-grk4" >


<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="b.alpha"><![CDATA[&#x03B1;]]></entity> <!--  -->
<entity  name="b.beta"><![CDATA[&#x03B2;]]></entity> <!-- GREEK SMALL LETTER BETA -->
<entity  name="b.gamma"><![CDATA[&#x03B3;]]></entity> <!-- GREEK SMALL LETTER GAMMA -->
<entity  name="b.Gamma"><![CDATA[&#x0393;]]></entity> <!-- GREEK CAPITAL LETTER GAMMA --
>
<entity  name="b.gammad"><![CDATA[&#x03DC;]]></entity> <!-- GREEK LETTER DIGAMMA -->
<entity  name="b.delta"><![CDATA[&#x03B4;]]></entity> <!-- GREEK SMALL LETTER DELTA -->
<entity  name="b.Delta"><![CDATA[&#x0394;]]></entity> <!-- GREEK CAPITAL LETTER DELTA --
>
<entity  name="b.epsi"><![CDATA[&#x03B5;]]></entity> <!--  -->
<entity  name="b.epsiv"><![CDATA[&#x03B5;]]></entity> <!--  -->
<entity  name="b.epsis"><![CDATA[&#x03B5;]]></entity> <!--  -->
<entity  name="b.zeta"><![CDATA[&#x03B6;]]></entity> <!-- GREEK SMALL LETTER ZETA -->
<entity  name="b.eta"><![CDATA[&#x03B7;]]></entity> <!-- GREEK SMALL LETTER ETA -->
<entity  name="b.thetas"><![CDATA[&#x03B8;]]></entity> <!--  -->
<entity  name="b.Theta"><![CDATA[&#x0398;]]></entity> <!-- GREEK CAPITAL LETTER THETA --
>
<entity  name="b.thetav"><![CDATA[&#x03D1;]]></entity> <!--  -->
<entity  name="b.iota"><![CDATA[&#x03B9;]]></entity> <!-- GREEK SMALL LETTER IOTA -->
<entity  name="b.kappa"><![CDATA[&#x03BA;]]></entity> <!-- GREEK SMALL LETTER KAPPA -->
<entity  name="b.kappav"><![CDATA[&#x03F0;]]></entity> <!-- GREEK KAPPA SYMBOL -->
<entity  name="b.lambda"><![CDATA[&#x03BB;]]></entity> <!-- GREEK SMALL LETTER LAMDA -->
<entity  name="b.Lambda"><![CDATA[&#x039B;]]></entity> <!-- GREEK CAPITAL LETTER LAMDA -
->
<entity  name="b.mu"><![CDATA[&#x03BC;]]></entity> <!-- GREEK SMALL LETTER MU -->
<entity  name="b.nu"><![CDATA[&#x03BD;]]></entity> <!-- GREEK SMALL LETTER NU -->
<entity  name="b.xi"><![CDATA[&#x03BE;]]></entity> <!-- GREEK SMALL LETTER XI -->
<entity  name="b.Xi"><![CDATA[&#x039E;]]></entity> <!-- GREEK CAPITAL LETTER XI -->
<entity  name="b.pi"><![CDATA[&#x03C0;]]></entity> <!-- GREEK SMALL LETTER PI -->
<entity  name="b.Pi"><![CDATA[&#x03A0;]]></entity> <!-- GREEK CAPITAL LETTER PI -->
<entity  name="b.piv"><![CDATA[&#x03D6;]]></entity> <!-- GREEK PI SYMBOL -->
<entity  name="b.rho"><![CDATA[&#x03C1;]]></entity> <!-- GREEK SMALL LETTER RHO -->
<entity  name="b.rhov"><![CDATA[&#x03F1;]]></entity> <!-- GREEK RHO SYMBOL -->
<entity  name="b.sigma"><![CDATA[&#x03C3;]]></entity> <!-- GREEK SMALL LETTER SIGMA -->
<entity  name="b.Sigma"><![CDATA[&#x03A3;]]></entity> <!-- GREEK CAPITAL LETTER SIGMA --
>
<entity  name="b.sigmav"><![CDATA[&#x03C2;]]></entity> <!--  -->
<entity  name="b.tau"><![CDATA[&#x03C4;]]></entity> <!-- GREEK SMALL LETTER TAU -->
<entity  name="b.upsi"><![CDATA[&#x03C5;]]></entity> <!-- GREEK SMALL LETTER UPSILON -->
<entity  name="b.Upsi"><![CDATA[&#x03D2;]]></entity> <!--  -->
<entity  name="b.phis"><![CDATA[&#x03C6;]]></entity> <!-- GREEK SMALL LETTER PHI -->
<entity  name="b.Phi"><![CDATA[&#x03A6;]]></entity> <!-- GREEK CAPITAL LETTER PHI -->
<entity  name="b.phiv"><![CDATA[&#x03D5;]]></entity> <!-- GREEK PHI SYMBOL -->
<entity  name="b.chi"><![CDATA[&#x03C7;]]></entity> <!-- GREEK SMALL LETTER CHI -->
<entity  name="b.psi"><![CDATA[&#x03C8;]]></entity> <!-- GREEK SMALL LETTER PSI -->
<entity  name="b.Psi"><![CDATA[&#x03A8;]]></entity> <!-- GREEK CAPITAL LETTER PSI -->
<entity  name="b.omega"><![CDATA[&#x03C9;]]></entity> <!-- GREEK SMALL LETTER OMEGA -->
<entity  name="b.Omega"><![CDATA[&#x03A9;]]></entity> <!-- GREEK CAPITAL LETTER OMEGA --
>
  </entitySet>

<entitySet name="iso-lat1" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="aacute"><![CDATA[&#x00E1;]]></entity> <!-- LATIN SMALL LETTER A WITH
ACUTE -->
<entity  name="Aacute"><![CDATA[&#x00C1;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
ACUTE -->
<entity  name="acirc"><![CDATA[&#x00E2;]]></entity> <!-- LATIN SMALL LETTER A WITH CIR-
CUMFLEX -->
<entity  name="Acirc"><![CDATA[&#x00C2;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
CIRCUMFLEX -->
<entity  name="agrave"><![CDATA[&#x00E0;]]></entity> <!-- LATIN SMALL LETTER A WITH
GRAVE -->
<entity  name="Agrave"><![CDATA[&#x00C0;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
GRAVE -->
<entity  name="aring"><![CDATA[&#x00E5;]]></entity> <!-- LATIN SMALL LETTER A WITH RING
ABOVE -->
<entity  name="Aring"><![CDATA[&#x00C5;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
RING ABOVE -->
<entity  name="atilde"><![CDATA[&#x00E3;]]></entity> <!-- LATIN SMALL LETTER A WITH
TILDE -->
<entity  name="Atilde"><![CDATA[&#x00C3;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
TILDE -->
```

```
<entity name="auml"><![CDATA[&#x00E4;]]></entity> <!-- LATIN SMALL LETTER A WITH DIAER-
ESIS -->
<entity name="Auml"><![CDATA[&#x00C4;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
DIAERESIS -->
<entity name="aelig"><![CDATA[&#x00E6;]]></entity> <!-- LATIN SMALL LETTER AE -->
<entity name="AElig"><![CDATA[&#x00C6;]]></entity> <!-- LATIN CAPITAL LETTER AE -->
<entity name="ccedil"><![CDATA[&#x00E7;]]></entity> <!-- LATIN SMALL LETTER C WITH
CEDILLA -->
<entity name="Ccedil"><![CDATA[&#x00C7;]]></entity> <!-- LATIN CAPITAL LETTER C WITH
CEDILLA -->
<entity name="eth"><![CDATA[&#x00F0;]]></entity> <!-- LATIN SMALL LETTER ETH -->
<entity name="ETH"><![CDATA[&#x00D0;]]></entity> <!-- LATIN CAPITAL LETTER ETH -->
<entity name="eacute"><![CDATA[&#x00E9;]]></entity> <!-- LATIN SMALL LETTER E WITH
ACUTE -->
<entity name="Eacute"><![CDATA[&#x00C9;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
ACUTE -->
<entity name="ecirc"><![CDATA[&#x00EA;]]></entity> <!-- LATIN SMALL LETTER E WITH CIR-
CUMFLEX -->
<entity name="Ecirc"><![CDATA[&#x00CA;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
CIRCUMFLEX -->
<entity name="egrave"><![CDATA[&#x00E8;]]></entity> <!-- LATIN SMALL LETTER E WITH
GRAVE -->
<entity name="Egrave"><![CDATA[&#x00C8;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
GRAVE -->
<entity name="euml"><![CDATA[&#x00EB;]]></entity> <!-- LATIN SMALL LETTER E WITH DIAER-
ESIS -->
<entity name="Euml"><![CDATA[&#x00CB;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
DIAERESIS -->
<entity name="iacute"><![CDATA[&#x00ED;]]></entity> <!-- LATIN SMALL LETTER I WITH
ACUTE -->
<entity name="Iacute"><![CDATA[&#x00CD;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
ACUTE -->
<entity name="icirc"><![CDATA[&#x00EE;]]></entity> <!-- LATIN SMALL LETTER I WITH CIR-
CUMFLEX -->
<entity name="Icirc"><![CDATA[&#x00CE;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
CIRCUMFLEX -->
<entity name="igrave"><![CDATA[&#x00EC;]]></entity> <!-- LATIN SMALL LETTER I WITH
GRAVE -->
<entity name="Igrave"><![CDATA[&#x00CC;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
GRAVE -->
<entity name="iuml"><![CDATA[&#x00EF;]]></entity> <!-- LATIN SMALL LETTER I WITH DIAER-
ESIS -->
<entity name="Iuml"><![CDATA[&#x00CF;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
DIAERESIS -->
<entity name="ntilde"><![CDATA[&#x00F1;]]></entity> <!-- LATIN SMALL LETTER N WITH
TILDE -->
<entity name="Ntilde"><![CDATA[&#x00D1;]]></entity> <!-- LATIN CAPITAL LETTER N WITH
TILDE -->
<entity name="oacute"><![CDATA[&#x00F3;]]></entity> <!-- LATIN SMALL LETTER O WITH
ACUTE -->
<entity name="Oacute"><![CDATA[&#x00D3;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
ACUTE -->
<entity name="ocirc"><![CDATA[&#x00F4;]]></entity> <!-- LATIN SMALL LETTER O WITH CIR-
CUMFLEX -->
<entity name="Ocirc"><![CDATA[&#x00D4;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
CIRCUMFLEX -->
<entity name="ograve"><![CDATA[&#x00F2;]]></entity> <!-- LATIN SMALL LETTER O WITH
GRAVE -->
<entity name="Ograve"><![CDATA[&#x00D2;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
GRAVE -->
<entity name="oslash"><![CDATA[&#x00F8;]]></entity> <!-- LATIN SMALL LETTER O WITH
STROKE -->
<entity name="Oslash"><![CDATA[&#x00D8;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
STROKE -->
<entity name="otilde"><![CDATA[&#x00F5;]]></entity> <!-- LATIN SMALL LETTER O WITH
TILDE -->
<entity name="Otilde"><![CDATA[&#x00D5;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
TILDE -->
<entity name="ouml"><![CDATA[&#x00F6;]]></entity> <!-- LATIN SMALL LETTER O WITH DIAER-
ESIS -->
<entity name="Ouml"><![CDATA[&#x00D6;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
DIAERESIS -->
<entity name="szlig"><![CDATA[&#x00DF;]]></entity> <!-- LATIN SMALL LETTER SHARP S -->
<entity name="thorn"><![CDATA[&#x00FE;]]></entity> <!-- LATIN SMALL LETTER THORN -->
<entity name="THORN"><![CDATA[&#x00DE;]]></entity> <!-- LATIN CAPITAL LETTER THORN -->
<entity name="uacute"><![CDATA[&#x00FA;]]></entity> <!-- LATIN SMALL LETTER U WITH
ACUTE -->
<entity name="Uacute"><![CDATA[&#x00DA;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
ACUTE -->
<entity name="ucirc"><![CDATA[&#x00FB;]]></entity> <!-- LATIN SMALL LETTER U WITH CIR-
CUMFLEX -->
<entity name="Ucirc"><![CDATA[&#x00DB;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
CIRCUMFLEX -->
<entity name="ugrave"><![CDATA[&#x00F9;]]></entity> <!-- LATIN SMALL LETTER U WITH
GRAVE -->
<entity name="Ugrave"><![CDATA[&#x00D9;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
GRAVE -->
```

```
<entity name="uuml"><![CDATA[&#x00FC;]]></entity> <!-- LATIN SMALL LETTER U WITH DIAER-
ESIS -->
<entity name="Uuml"><![CDATA[&#x00DC;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
DIAERESIS -->
<entity name="yacute"><![CDATA[&#x00FD;]]></entity> <!-- LATIN SMALL LETTER Y WITH
ACUTE -->
<entity name="Yacute"><![CDATA[&#x00DD;]]></entity> <!-- LATIN CAPITAL LETTER Y WITH
ACUTE -->
<entity name="yuml"><![CDATA[&#x00FF;]]></entity> <!-- LATIN SMALL LETTER Y WITH DIAER-
ESIS -->
   </entitySet>

<entitySet name="iso-lat2" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity name="abreve"><![CDATA[&#x0103;]]></entity> <!-- LATIN SMALL LETTER A WITH
BREVE -->
<entity name="Abreve"><![CDATA[&#x0102;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
BREVE -->
<entity name="amacr"><![CDATA[&#x0101;]]></entity> <!-- LATIN SMALL LETTER A WITH
MACRON -->
<entity name="Amacr"><![CDATA[&#x0100;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
MACRON -->
<entity name="aogon"><![CDATA[&#x0105;]]></entity> <!-- LATIN SMALL LETTER A WITH
OGONEK -->
<entity name="Aogon"><![CDATA[&#x0104;]]></entity> <!-- LATIN CAPITAL LETTER A WITH
OGONEK -->
<entity name="cacute"><![CDATA[&#x0107;]]></entity> <!-- LATIN SMALL LETTER C WITH
ACUTE -->
<entity name="Cacute"><![CDATA[&#x0106;]]></entity> <!-- LATIN CAPITAL LETTER C WITH
ACUTE -->
<entity name="ccaron"><![CDATA[&#x010D;]]></entity> <!-- LATIN SMALL LETTER C WITH
CARON -->
<entity name="Ccaron"><![CDATA[&#x010C;]]></entity> <!-- LATIN CAPITAL LETTER C WITH
CARON -->
<entity name="ccirc"><![CDATA[&#x0109;]]></entity> <!-- LATIN SMALL LETTER C WITH CIR-
CUMFLEX -->
<entity name="Ccirc"><![CDATA[&#x0108;]]></entity> <!-- LATIN CAPITAL LETTER C WITH
CIRCUMFLEX -->
<entity name="cdot"><![CDATA[&#x010B;]]></entity> <!-- DOT OPERATOR -->
<entity name="Cdot"><![CDATA[&#x010A;]]></entity> <!-- LATIN CAPITAL LETTER C WITH DOT
ABOVE -->
<entity name="dcaron"><![CDATA[&#x010F;]]></entity> <!-- LATIN SMALL LETTER D WITH
CARON -->
<entity name="Dcaron"><![CDATA[&#x010E;]]></entity> <!-- LATIN CAPITAL LETTER D WITH
CARON -->
<entity name="dstrok"><![CDATA[&#x0111;]]></entity> <!-- LATIN SMALL LETTER D WITH
STROK -->
<entity name="Dstrok"><![CDATA[&#x0110;]]></entity> <!-- LATIN CAPITAL LETTER D WITH
STROK -->
<entity name="ecaron"><![CDATA[&#x011B;]]></entity> <!-- LATIN SMALL LETTER E WITH
CARON -->
<entity name="Ecaron"><![CDATA[&#x011A;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
CARON -->
<entity name="edot"><![CDATA[&#x0117;]]></entity> <!-- LATIN SMALL LETTER E WITH DOT
ABOVE -->
<entity name="Edot"><![CDATA[&#x0116;]]></entity> <!-- LATIN CAPITAL LETTER E WITH DOT
ABOVE -->
<entity name="emacr"><![CDATA[&#x0113;]]></entity> <!-- LATIN SMALL LETTER E WITH
MACRON -->
<entity name="Emacr"><![CDATA[&#x0112;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
MACRON -->
<entity name="eogon"><![CDATA[&#x0119;]]></entity> <!-- LATIN SMALL LETTER E WITH
OGONEK -->
<entity name="Eogon"><![CDATA[&#x0118;]]></entity> <!-- LATIN CAPITAL LETTER E WITH
OGONEK -->
<entity name="gacute"><![CDATA[&#x01F5;]]></entity> <!-- LATIN SMALL LETTER G WITH
ACUTE -->
<entity name="gbreve"><![CDATA[&#x011F;]]></entity> <!-- LATIN SMALL LETTER G WITH
BREVE -->
<entity name="Gbreve"><![CDATA[&#x011E;]]></entity> <!-- LATIN CAPITAL LETTER G WITH
BREVE -->
<entity name="Gcedil"><![CDATA[&#x0122;]]></entity> <!-- LATIN CAPITAL LETTER G WITH
CEDILLA -->
<entity name="gcirc"><![CDATA[&#x011D;]]></entity> <!-- LATIN SMALL LETTER G WITH CIR-
CUMFLEX -->
<entity name="Gcirc"><![CDATA[&#x011C;]]></entity> <!-- LATIN CAPITAL LETTER G WITH
CIRCUMFLEX -->
<entity name="gdot"><![CDATA[&#x0121;]]></entity> <!-- LATIN SMALL LETTER G WITH DOT
ABOVE -->
<entity name="Gdot"><![CDATA[&#x0120;]]></entity> <!-- LATIN CAPITAL LETTER G WITH DOT
ABOVE -->
<entity name="hcirc"><![CDATA[&#x0125;]]></entity> <!-- LATIN SMALL LETTER H WITH CIR-
CUMFLEX -->
<entity name="Hcirc"><![CDATA[&#x0124;]]></entity> <!-- LATIN CAPITAL LETTER H WITH
CIRCUMFLEX -->
```

```
<entity name="hstrok"><![CDATA[&#x0127;]]></entity> <!-- LATIN SMALL LETTER H WITH
STROK -->
<entity name="Hstrok"><![CDATA[&#x0126;]]></entity> <!-- LATIN CAPITAL LETTER H WITH
STROK -->
<entity name="Idot"><![CDATA[&#x0130;]]></entity> <!-- LATIN CAPITAL LETTER I WITH DOT
ABOVE -->
<entity name="Imacr"><![CDATA[&#x012A;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
MACRON -->
<entity name="imacr"><![CDATA[&#x012B;]]></entity> <!-- LATIN SMALL LETTER I WITH
MACRON -->
<entity name="ijlig"><![CDATA[&#x0133;]]></entity> <!-- LATIN SMALL LIGATURE IJ -->
<entity name="IJlig"><![CDATA[&#x0132;]]></entity> <!-- LATIN CAPITAL LIGATURE IJ -->
<entity name="inodot"><![CDATA[&#x0131;]]></entity> <!-- LATIN SMALL LETTER DOTLESS I -
-->
<entity name="iogon"><![CDATA[&#x012F;]]></entity> <!-- LATIN SMALL LETTER I WITH
OGONEK -->
<entity name="Iogon"><![CDATA[&#x012E;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
OGONEK -->
<entity name="itilde"><![CDATA[&#x0129;]]></entity> <!-- LATIN SMALL LETTER I WITH
TILDE -->
<entity name="Itilde"><![CDATA[&#x0128;]]></entity> <!-- LATIN CAPITAL LETTER I WITH
TILDE -->
<entity name="jcirc"><![CDATA[&#x0135;]]></entity> <!-- LATIN SMALL LETTER J WITH CIR-
CUMFLEX -->
<entity name="Jcirc"><![CDATA[&#x0134;]]></entity> <!-- LATIN CAPITAL LETTER J WITH
CIRCUMFLEX -->
<entity name="kcedil"><![CDATA[&#x0137;]]></entity> <!-- LATIN SMALL LETTER K WITH
CEDILLA -->
<entity name="Kcedil"><![CDATA[&#x0136;]]></entity> <!-- LATIN CAPITAL LETTER K WITH
CEDILLA -->
<entity name="kgreen"><![CDATA[&#x0138;]]></entity> <!-- LATIN SMALL LETTER KRA -->
<entity name="lacute"><![CDATA[&#x013A;]]></entity> <!-- LATIN SMALL LETTER L WITH
ACUTE -->
<entity name="Lacute"><![CDATA[&#x0139;]]></entity> <!-- LATIN CAPITAL LETTER L WITH
ACUTE -->
<entity name="lcaron"><![CDATA[&#x013E;]]></entity> <!-- LATIN SMALL LETTER L WITH
CARON -->
<entity name="Lcaron"><![CDATA[&#x013D;]]></entity> <!-- LATIN CAPITAL LETTER L WITH
CARON -->
<entity name="lcedil"><![CDATA[&#x013C;]]></entity> <!-- LATIN SMALL LETTER L WITH
CEDILLA -->
<entity name="Lcedil"><![CDATA[&#x013B;]]></entity> <!-- LATIN CAPITAL LETTER L WITH
CEDILLA -->
<entity name="lmidot"><![CDATA[&#x0140;]]></entity> <!-- LATIN SMALL LETTER L WITH MID-
DLE DOT -->
<entity name="Lmidot"><![CDATA[&#x013F;]]></entity> <!-- LATIN CAPITAL LETTER L WITH
MIDDLE DOT -->
<entity name="lstrok"><![CDATA[&#x0142;]]></entity> <!-- LATIN SMALL LETTER L WITH
STROK -->
<entity name="Lstrok"><![CDATA[&#x0141;]]></entity> <!-- LATIN CAPITAL LETTER L WITH
STROK -->
<entity name="nacute"><![CDATA[&#x0144;]]></entity> <!-- LATIN SMALL LETTER N WITH
ACUTE -->
<entity name="Nacute"><![CDATA[&#x0143;]]></entity> <!-- LATIN CAPITAL LETTER N WITH
ACUTE -->
<entity name="eng"><![CDATA[&#x014B;]]></entity> <!-- LATIN SMALL LETTER ENG -->
<entity name="ENG"><![CDATA[&#x014A;]]></entity> <!-- LATIN CAPITAL LETTER ENG -->
<entity name="napos"><![CDATA[&#x0149;]]></entity> <!-- LATIN SMALL LETTER N PRECEDED
BY APOSTROPHE -->
<entity name="ncaron"><![CDATA[&#x0148;]]></entity> <!-- LATIN SMALL LETTER N WITH
CARON -->
<entity name="Ncaron"><![CDATA[&#x0147;]]></entity> <!-- LATIN CAPITAL LETTER N WITH
CARON -->
<entity name="ncedil"><![CDATA[&#x0146;]]></entity> <!-- LATIN SMALL LETTER N WITH
CEDILLA -->
<entity name="Ncedil"><![CDATA[&#x0145;]]></entity> <!-- LATIN CAPITAL LETTER N WITH
CEDILLA -->
<entity name="odblac"><![CDATA[&#x0151;]]></entity> <!-- LATIN SMALL LETTER O WITH DOU-
BLE ACUTE -->
<entity name="Odblac"><![CDATA[&#x0150;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
DOUBLE ACUTE -->
<entity name="Omacr"><![CDATA[&#x014C;]]></entity> <!-- LATIN CAPITAL LETTER O WITH
MACRON -->
<entity name="omacr"><![CDATA[&#x014D;]]></entity> <!-- LATIN SMALL LETTER O WITH
MACRON -->
<entity name="oelig"><![CDATA[&#x0153;]]></entity> <!-- LATIN SMALL LIGATURE OE -->
<entity name="OElig"><![CDATA[&#x0152;]]></entity> <!-- LATIN CAPITAL LIGATURE OE -->
<entity name="racute"><![CDATA[&#x0155;]]></entity> <!-- LATIN SMALL LETTER R WITH
ACUTE -->
<entity name="Racute"><![CDATA[&#x0154;]]></entity> <!-- LATIN CAPITAL LETTER R WITH
ACUTE -->
<entity name="rcaron"><![CDATA[&#x0159;]]></entity> <!-- LATIN SMALL LETTER R WITH
CARON -->
<entity name="Rcaron"><![CDATA[&#x0158;]]></entity> <!-- LATIN CAPITAL LETTER R WITH
CARON -->
<entity name="rcedil"><![CDATA[&#x0157;]]></entity> <!-- LATIN SMALL LETTER R WITH
CEDILLA -->
```

```
<entity name="Rcedil"><![CDATA[&#x0156;]]></entity> <!-- LATIN CAPITAL LETTER R WITH
CEDILLA -->
<entity name="sacute"><![CDATA[&#x015B;]]></entity> <!-- LATIN SMALL LETTER S WITH
ACUTE -->
<entity name="Sacute"><![CDATA[&#x015A;]]></entity> <!-- LATIN CAPITAL LETTER S WITH
ACUTE -->
<entity name="scaron"><![CDATA[&#x0161;]]></entity> <!-- LATIN SMALL LETTER S WITH
CARON -->
<entity name="Scaron"><![CDATA[&#x0160;]]></entity> <!-- LATIN CAPITAL LETTER S WITH
CARON -->
<entity name="scedil"><![CDATA[&#x015F;]]></entity> <!-- LATIN SMALL LETTER S WITH
CEDILLA -->
<entity name="Scedil"><![CDATA[&#x015E;]]></entity> <!-- LATIN CAPITAL LETTER S WITH
CEDILLA -->
<entity name="scirc"><![CDATA[&#x015D;]]></entity> <!-- LATIN SMALL LETTER S WITH CIR-
CUMFLEX -->
<entity name="Scirc"><![CDATA[&#x015C;]]></entity> <!-- LATIN CAPITAL LETTER S WITH
CIRCUMFLEX -->
<entity name="tcaron"><![CDATA[&#x0165;]]></entity> <!-- LATIN SMALL LETTER T WITH
CARON -->
<entity name="Tcaron"><![CDATA[&#x0164;]]></entity> <!-- LATIN CAPITAL LETTER T WITH
CARON -->
<entity name="tcedil"><![CDATA[&#x0163;]]></entity> <!-- LATIN SMALL LETTER T WITH
CEDILLA -->
<entity name="Tcedil"><![CDATA[&#x0162;]]></entity> <!-- LATIN CAPITAL LETTER T WITH
CEDILLA -->
<entity name="tstrok"><![CDATA[&#x0167;]]></entity> <!-- LATIN SMALL LETTER T WITH
STROKE -->
<entity name="Tstrok"><![CDATA[&#x0166;]]></entity> <!-- LATIN CAPITAL LETTER T WITH
STROKE -->
<entity name="ubreve"><![CDATA[&#x016D;]]></entity> <!-- LATIN SMALL LETTER U WITH
BREVE -->
<entity name="Ubreve"><![CDATA[&#x016C;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
BREVE -->
<entity name="udblac"><![CDATA[&#x0171;]]></entity> <!-- LATIN SMALL LETTER U WITH DOU-
BLE ACUTE -->
<entity name="Udblac"><![CDATA[&#x0170;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
DOUBLE ACUTE -->
<entity name="umacr"><![CDATA[&#x016B;]]></entity> <!-- LATIN SMALL LETTER U WITH
MACRON -->
<entity name="Umacr"><![CDATA[&#x016A;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
MACRON -->
<entity name="uogon"><![CDATA[&#x0173;]]></entity> <!-- LATIN SMALL LETTER U WITH
OGONEK -->
<entity name="Uogon"><![CDATA[&#x0172;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
OGONEK -->
<entity name="uring"><![CDATA[&#x016F;]]></entity> <!-- LATIN SMALL LETTER U WITH RING
ABOVE -->
<entity name="Uring"><![CDATA[&#x016E;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
RING ABOVE -->
<entity name="utilde"><![CDATA[&#x0169;]]></entity> <!-- LATIN SMALL LETTER U WITH
TILDE -->
<entity name="Utilde"><![CDATA[&#x0168;]]></entity> <!-- LATIN CAPITAL LETTER U WITH
TILDE -->
<entity name="wcirc"><![CDATA[&#x0175;]]></entity> <!-- LATIN SMALL LETTER W WITH CIR-
CUMFLEX -->
<entity name="Wcirc"><![CDATA[&#x0174;]]></entity> <!-- LATIN CAPITAL LETTER W WITH
CIRCUMFLEX -->
<entity name="ycirc"><![CDATA[&#x0177;]]></entity> <!-- LATIN SMALL LETTER Y WITH CIR-
CUMFLEX -->
<entity name="Ycirc"><![CDATA[&#x0176;]]></entity> <!-- LATIN CAPITAL LETTER Y WITH
CIRCUMFLEX -->
<entity name="Yuml"><![CDATA[&#x0178;]]></entity> <!-- LATIN CAPITAL LETTER Y WITH
DIAERESIS -->
<entity name="zacute"><![CDATA[&#x017A;]]></entity> <!-- LATIN SMALL LETTER Z WITH
ACUTE -->
<entity name="Zacute"><![CDATA[&#x0179;]]></entity> <!-- LATIN CAPITAL LETTER Z WITH
ACUTE -->
<entity name="zcaron"><![CDATA[&#x017E;]]></entity> <!-- LATIN SMALL LETTER Z WITH
CARON -->
<entity name="Zcaron"><![CDATA[&#x017D;]]></entity> <!-- LATIN CAPITAL LETTER Z WITH
CARON -->
<entity name="zdot"><![CDATA[&#x017C;]]></entity> <!-- LATIN SMALL LETTER Z WITH DOT
ABOVE -->
<entity name="Zdot"><![CDATA[&#x017B;]]></entity> <!-- LATIN CAPITAL LETTER Z WITH DOT
ABOVE -->
  </entitySet>

<entitySet name="iso-pub" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity name="emsp"><![CDATA[ ]]></entity> <!-- EM SPACE -->
<entity name="ensp"><![CDATA[ ]]></entity> <!-- EN SPACE -->
<entity name="emsp13"><![CDATA[&#x2004;]]></entity> <!-- THREE-PER-EM SPACE -->
<entity name="emsp14"><![CDATA[&#x2005;]]></entity> <!-- FOUR-PER-EM SPACE -->
<entity name="numsp"><![CDATA[&#x2007;]]></entity> <!-- FIGURE SPACE -->
```

```
<entity  name="puncsp"><![CDATA[&#x2008;]]></entity> <!-- PUNCTUATION SPACE -->
<entity  name="thinsp"><![CDATA[ ]]></entity> <!-- THIN SPACE -->
<entity  name="hairsp"><![CDATA[&#x200A;]]></entity> <!-- HAIR SPACE -->
<entity  name="mdash"><![CDATA[&#x2014;]]></entity> <!-- EM DASH -->
<entity  name="ndash"><![CDATA[&#x2013;]]></entity> <!-- EN DASH -->
<entity  name="dash"><![CDATA[&#x2010;]]></entity> <!-- HYPHEN -->
<entity  name="blank"><![CDATA[&#x2423;]]></entity> <!-- OPEN BOX -->
<entity  name="hellip"><![CDATA[&#x2026;]]></entity> <!-- HORIZONTAL ELLIPSIS -->
<entity  name="nldr"><![CDATA[&#x2025;]]></entity> <!-- TWO DOT LEADER -->
<entity  name="frac13"><![CDATA[&#x2153;]]></entity> <!-- VULGAR FRACTION ONE THIRD -->
<entity  name="frac23"><![CDATA[&#x2154;]]></entity> <!-- VULGAR FRACTION TWO THIRDS -->
<entity  name="frac15"><![CDATA[&#x2155;]]></entity> <!-- VULGAR FRACTION ONE FIFTH -->
<entity  name="frac25"><![CDATA[&#x2156;]]></entity> <!-- VULGAR FRACTION TWO FIFTHS -->
<entity  name="frac35"><![CDATA[&#x2157;]]></entity> <!-- VULGAR FRACTION THREE FIFTHS -
->
<entity  name="frac45"><![CDATA[&#x2158;]]></entity> <!-- VULGAR FRACTION FOUR FIFTHS --
>
<entity  name="frac16"><![CDATA[&#x2159;]]></entity> <!-- VULGAR FRACTION ONE SIXTH -->
<entity  name="frac56"><![CDATA[&#x215A;]]></entity> <!-- VULGAR FRACTION FIVE SIXTHS --
>
<entity  name="incare"><![CDATA[&#x2105;]]></entity> <!-- CARE OF -->
<entity  name="block"><![CDATA[&#x2588;]]></entity> <!-- FULL BLOCK -->
<entity  name="uhblk"><![CDATA[&#x2580;]]></entity> <!-- UPPER HALF BLOCK -->
<entity  name="lhblk"><![CDATA[&#x2584;]]></entity> <!-- LOWER HALF BLOCK -->
<entity  name="blk14"><![CDATA[&#x2591;]]></entity> <!-- LIGHT SHADE -->
<entity  name="blk12"><![CDATA[&#x2592;]]></entity> <!-- MEDIUM SHADE -->
<entity  name="blk34"><![CDATA[&#x2593;]]></entity> <!-- DARK SHADE -->
<entity  name="marker"><![CDATA[&#x25AE;]]></entity> <!-- BLACK VERTICAL RECTANGLE -->
<entity  name="cir"><![CDATA[&#x25CB;]]></entity> <!-- WHITE CIRCLE -->
<entity  name="squ"><![CDATA[&#x25A1;]]></entity> <!-- WHITE SQUARE -->
<entity  name="rect"><![CDATA[&#x25AD;]]></entity> <!-- WHITE RECTANGLE -->
<entity  name="utri"><![CDATA[&#x25B5;]]></entity> <!-- WHITE UP-POINTING TRIANGLE -->
<entity  name="dtri"><![CDATA[&#x25BF;]]></entity> <!-- WHITE DOWN-POINTING TRIANGLE -->
<entity  name="star"><![CDATA[&#x22C6;]]></entity> <!-- STAR OPERATOR -->
<entity  name="bull"><![CDATA[&#x2022;]]></entity> <!-- BULLET -->
<entity  name="squf"><![CDATA[&#x25AA;]]></entity> <!--  -->
<entity  name="utrif"><![CDATA[&#x25B4;]]></entity> <!-- BLACK UP-POINTING TRIANGLE -->
<entity  name="dtrif"><![CDATA[&#x25BE;]]></entity> <!-- BLACK DOWN-POINTING TRIANGLE --
>
<entity  name="ltrif"><![CDATA[&#x25C2;]]></entity> <!-- BLACK LEFT-POINTING TRIANGLE --
>
<entity  name="rtrif"><![CDATA[&#x25B8;]]></entity> <!-- BLACK RIGHT-POINTING TRIANGLE -
->
<entity  name="clubs"><![CDATA[&#x2663;]]></entity> <!-- BLACK CLUB SUIT -->
<entity  name="diams"><![CDATA[&#x2666;]]></entity> <!-- BLACK DIAMOND SUIT -->
<entity  name="hearts"><![CDATA[&#x2665;]]></entity> <!-- BLACK HEART SUIT -->
<entity  name="spades"><![CDATA[&#x2660;]]></entity> <!-- BLACK SPADE SUIT -->
<entity  name="malt"><![CDATA[&#x2720;]]></entity> <!-- MALTESE CROSS -->
<entity  name="dagger"><![CDATA[&#x2020;]]></entity> <!-- DAGGER -->
<entity  name="Dagger"><![CDATA[&#x2021;]]></entity> <!-- DOUBLE DAGGER -->
<entity  name="check"><![CDATA[&#x2713;]]></entity> <!-- CHECK MARK -->
<entity  name="cross"><![CDATA[&#x2717;]]></entity> <!-- BALLOT X -->
<entity  name="sharp"><![CDATA[&#x266F;]]></entity> <!-- MUSIC SHARP SIGN -->
<entity  name="flat"><![CDATA[&#x266D;]]></entity> <!-- MUSIC FLAT SIGN -->
<entity  name="male"><![CDATA[&#x2642;]]></entity> <!-- MALE SIGN -->
<entity  name="female"><![CDATA[&#x2640;]]></entity> <!--  -->
<entity  name="phone"><![CDATA[&#x260E;]]></entity> <!-- TELEPHONE SIGN -->
<entity  name="telrec"><![CDATA[&#x2315;]]></entity> <!-- TELEPHONE RECORDER -->
<entity  name="copysr"><![CDATA[&#x2117;]]></entity> <!-- SOUND RECORDING COPYRIGHT -->
<entity  name="caret"><![CDATA[&#x2041;]]></entity> <!-- CARET -->
<entity  name="lsquor"><![CDATA[&#x201A;]]></entity> <!-- SINGLE LOW-9 QUOTATION MARK --
>
<entity  name="ldquor"><![CDATA[&#x201E;]]></entity> <!-- DOUBLE LOW-9 QUOTATION MARK --
>
<entity  name="fflig"><![CDATA[&#xFB00;]]></entity> <!--  -->
<entity  name="filig"><![CDATA[&#xFB01;]]></entity> <!--  -->
<!--     fjligUnknown unicode character -->
<entity  name="ffilig"><![CDATA[&#xFB03;]]></entity> <!--  -->
<entity  name="ffllig"><![CDATA[&#xFB04;]]></entity> <!--  -->
<entity  name="fllig"><![CDATA[&#xFB02;]]></entity> <!--  -->
<entity  name="mldr"><![CDATA[&#x2026;]]></entity> <!-- HORIZONTAL ELLIPSIS -->
<entity  name="rdquor"><![CDATA[&#x201C;]]></entity> <!--  -->
<entity  name="rsquor"><![CDATA[&#x2018;]]></entity> <!--  -->
<entity  name="vellip"><![CDATA[&#x22EE;]]></entity> <!--  -->
<entity  name="hybull"><![CDATA[&#x2043;]]></entity> <!-- HYPHEN BULLET -->
<entity  name="loz"><![CDATA[&#x25CA;]]></entity> <!-- LOZENGE -->
<entity  name="lozf"><![CDATA[&#x2726;]]></entity> <!--  -->
<entity  name="ltri"><![CDATA[&#x25C3;]]></entity> <!-- WHITE LEFT-POINTING TRIANGLE -->
<entity  name="rtri"><![CDATA[&#x25B9;]]></entity> <!-- WHITE RIGHT-POINTING TRIANGLE --
>
<entity  name="starf"><![CDATA[&#x2605;]]></entity> <!-- BLACK STAR -->
<entity  name="natur"><![CDATA[&#x266E;]]></entity> <!-- MUSIC NATURAL SIGN -->
<entity  name="rx"><![CDATA[&#x211E;]]></entity> <!-- PRESCRIPTION TAKE -->
<entity  name="sext"><![CDATA[&#x2736;]]></entity> <!-- SIX POINTED BLACK STAR -->
<entity  name="target"><![CDATA[&#x2316;]]></entity> <!-- POSITION INDICATOR -->
<entity  name="dlcrop"><![CDATA[&#x230D;]]></entity> <!-- BOTTOM LEFT CROP -->
<entity  name="drcrop"><![CDATA[&#x230C;]]></entity> <!-- BOTTOM RIGHT CROP -->
<entity  name="ulcrop"><![CDATA[&#x230F;]]></entity> <!-- TOP LEFT CROP -->
```

```
<entity  name="urcrop"><![CDATA[&#x230E;]]></entity> <!-- TOP RIGHT CROP -->
  </entitySet>

<entitySet name="iso-num" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="half"><![CDATA[&#x00BD;]]></entity> <!-- VULGAR FRACTION ONE HALF -->
<entity  name="frac12"><![CDATA[&#x00BD;]]></entity> <!-- VULGAR FRACTION ONE HALF -->
<entity  name="frac14"><![CDATA[&#x00BC;]]></entity> <!-- VULGAR FRACTION ONE QUARTER --
>
<entity name="frac34"><![CDATA[&#x00BE;]]></entity> <!-- VULGAR FRACTION THREE QUARTERS
-->
<entity  name="frac18"><![CDATA[&#x215B;]]></entity> <!--  -->
<entity  name="frac38"><![CDATA[&#x215C;]]></entity> <!--  -->
<entity  name="frac58"><![CDATA[&#x215D;]]></entity> <!--  -->
<entity  name="frac78"><![CDATA[&#x215E;]]></entity> <!--  -->
<entity  name="sup1"><![CDATA[&#x00B9;]]></entity> <!-- SUPERSCRIPT ONE -->
<entity  name="sup2"><![CDATA[&#x00B2;]]></entity> <!-- SUPERSCRIPT TWO -->
<entity  name="sup3"><![CDATA[&#x00B3;]]></entity> <!-- SUPERSCRIPT THREE -->
<entity  name="plus"><![CDATA[&#x002B;]]></entity> <!-- PLUS SIGN -->
<entity  name="plusmn"><![CDATA[&#x00B1;]]></entity> <!-- PLUS-MINUS SIGN -->
<entity  name="lt"><![CDATA[&#38;#60;]]></entity> <!-- LESS-THAN SIGN -->
<entity  name="equals"><![CDATA[&#x003D;]]></entity> <!-- EQUALS SIGN -->
<entity  name="gt"><![CDATA[&#x003E;]]></entity> <!-- GREATER-THAN SIGN -->
<entity  name="divide"><![CDATA[&#x00F7;]]></entity> <!-- DIVISION SIGN -->
<entity  name="times"><![CDATA[&#x00D7;]]></entity> <!-- MULTIPLICATION SIGN -->
<entity  name="curren"><![CDATA[&#x00A4;]]></entity> <!-- CURRENCY SIGN -->
<entity  name="pound"><![CDATA[&#x00A3;]]></entity> <!-- POUND SIGN -->
<entity  name="dollar"><![CDATA[&#x0024;]]></entity> <!-- DOLLAR SIGN -->
<entity  name="cent"><![CDATA[&#x00A2;]]></entity> <!-- CENT SIGN -->
<entity  name="yen"><![CDATA[&#x00A5;]]></entity> <!-- YEN SIGN -->
<entity  name="num"><![CDATA[&#x0023;]]></entity> <!-- NUMBER SIGN -->
<entity  name="percnt"><![CDATA[&#x0025;]]></entity> <!-- PERCENT SIGN -->
<entity  name="amp"><![CDATA[&#38;#38;]]></entity> <!-- AMPERSAND -->
<entity  name="ast"><![CDATA[&#x002A;]]></entity> <!-- ASTERISK OPERATOR -->
<entity  name="commat"><![CDATA[&#x0040;]]></entity> <!-- COMMERCIAL AT -->
<entity  name="lsqb"><![CDATA[&#x005B;]]></entity> <!-- LEFT SQUARE BRACKET -->
<entity  name="bsol"><![CDATA[&#x005C;]]></entity> <!-- REVERSE SOLIDUS -->
<entity  name="rsqb"><![CDATA[&#x005D;]]></entity> <!-- RIGHT SQUARE BRACKET -->
<entity  name="lcub"><![CDATA[&#x007B;]]></entity> <!-- LEFT CURLY BRACKET -->
<entity  name="horbar"><![CDATA[&#x2015;]]></entity> <!-- HORIZONTAL BAR -->
<entity  name="verbar"><![CDATA[&#x007C;]]></entity> <!-- VERTICAL LINE -->
<entity  name="rcub"><![CDATA[&#x007D;]]></entity> <!-- RIGHT CURLY BRACKET -->
<entity  name="micro"><![CDATA[&#x00B5;]]></entity> <!-- MICRO SIGN -->
<entity  name="ohm"><![CDATA[&#x2126;]]></entity> <!-- OHM SIGN -->
<entity  name="deg"><![CDATA[&#x00B0;]]></entity> <!-- DEGREE SIGN -->
<entity  name="ordm"><![CDATA[&#x00BA;]]></entity> <!-- MASCULINE ORDINAL INDICATOR -->
<entity  name="ordf"><![CDATA[&#x00AA;]]></entity> <!-- FEMININE ORDINAL INDICATOR -->
<entity  name="sect"><![CDATA[&#x00A7;]]></entity> <!-- SECTION SIGN -->
<entity  name="para"><![CDATA[&#x00B6;]]></entity> <!-- PILCROW SIGN -->
<entity  name="middot"><![CDATA[&#x00B7;]]></entity> <!-- MIDDLE DOT -->
<entity  name="larr"><![CDATA[&#x2190;]]></entity> <!-- LEFTWARDS DOUBLE ARROW -->
<entity  name="rarr"><![CDATA[&#x2192;]]></entity> <!-- RIGHTWARDS DOUBLE ARROW -->
<entity  name="uarr"><![CDATA[&#x2191;]]></entity> <!-- UPWARDS ARROW -->
<entity  name="darr"><![CDATA[&#x2193;]]></entity> <!-- DOWNWARDS ARROW -->
<entity  name="copy"><![CDATA[&#x00A9;]]></entity> <!-- COPYRIGHT SIGN -->
<entity  name="reg"><![CDATA[&#x00AE;]]></entity> <!-- REG TRADE MARK SIGN -->
<entity  name="trade"><![CDATA[&#x2122;]]></entity> <!-- TRADE MARK SIGN -->
<entity  name="brvbar"><![CDATA[&#x00A6;]]></entity> <!-- BROKEN BAR -->
<entity  name="not"><![CDATA[&#x00AC;]]></entity> <!-- NOT SIGN -->
<entity  name="sung"><![CDATA[&#x2669;]]></entity> <!--  -->
<entity  name="excl"><![CDATA[&#x0021;]]></entity> <!-- EXCLAMATION MARK -->
<entity  name="iexcl"><![CDATA[&#x00A1;]]></entity> <!-- INVERTED EXCLAMATION MARK -->
<entity  name="quot"><![CDATA[&#x0022;]]></entity> <!-- QUOTATION MARK -->
<entity  name="apos"><![CDATA[&#x0027;]]></entity> <!-- APOSTROPHE -->
<entity  name="lpar"><![CDATA[&#x0028;]]></entity> <!-- LEFT PARENTHESIS -->
<entity  name="rpar"><![CDATA[&#x0029;]]></entity> <!-- RIGHT PARENTHESIS -->
<entity  name="comma"><![CDATA[&#x002C;]]></entity> <!-- COMMA -->
<entity  name="lowbar"><![CDATA[&#x005F;]]></entity> <!-- LOW LINE -->
<entity  name="hyphen"><![CDATA[&#x002D;]]></entity> <!-- HYPHEN-MINUS -->
<entity  name="period"><![CDATA[&#x002E;]]></entity> <!-- FULL STOP -->
<entity  name="sol"><![CDATA[&#x002F;]]></entity> <!-- SOLIDUS -->
<entity  name="colon"><![CDATA[&#x003A;]]></entity> <!-- COLON -->
<entity  name="semi"><![CDATA[&#x003B;]]></entity> <!-- SEMICOLON -->
<entity  name="quest"><![CDATA[&#x003F;]]></entity> <!-- QUESTION MARK -->
<entity  name="iquest"><![CDATA[&#x00BF;]]></entity> <!-- INVERTED QUESTION MARK -->
<entity  name="laquo"><![CDATA[&#x00AB;]]></entity> <!-- LEFT-POINTING DOUBLE ANGLE QUO-
TATION MARK -->
<entity  name="raquo"><![CDATA[&#x00BB;]]></entity> <!-- RIGHT-POINTING DOUBLE ANGLE
QUOTATION MARK -->
<entity  name="lsquo"><![CDATA[&#x2018;]]></entity> <!--  -->
<entity  name="rsquo"><![CDATA[&#x2019;]]></entity> <!-- RIGHT SINGLE QUOTATION MARK -->
<entity  name="ldquo"><![CDATA[&#x201C;]]></entity> <!--  -->
<entity  name="rdquo"><![CDATA[&#x201D;]]></entity> <!-- RIGHT DOUBLE QUOTATION MARK -->
<entity  name="nbsp"><![CDATA[&#x00A0;]]></entity> <!-- NO-BREAK SPACE -->
<entity  name="shy"><![CDATA[&#x00AD;]]></entity> <!-- SOFT HYPHEN -->
```

```
    </entitySet>

<entitySet name="iso-tech" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz.
     With additional derivations from
     ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/SGML.TXT -->

<entity  name="aleph"><![CDATA[&#x2135;]]></entity> <!-- ALEF SYMBOL -->
<entity  name="and"><![CDATA[&#x2227;]]></entity> <!--  -->
<entity  name="ang90"><![CDATA[&#x221F;]]></entity> <!-- RIGHT ANGLE -->
<entity  name="angsph"><![CDATA[&#x2222;]]></entity> <!--  -->
<entity  name="ap"><![CDATA[&#x2248;]]></entity> <!--  -->
<entity  name="becaus"><![CDATA[&#x2235;]]></entity> <!-- BECAUSE -->
<entity  name="bottom"><![CDATA[&#x22A5;]]></entity> <!--  -->
<entity  name="cap"><![CDATA[&#x2229;]]></entity> <!--  -->
<entity  name="cong"><![CDATA[&#x2245;]]></entity> <!--  -->
<entity  name="conint"><![CDATA[&#x222E;]]></entity> <!--  -->
<entity  name="cup"><![CDATA[&#x222A;]]></entity> <!--  -->
<entity  name="equiv"><![CDATA[&#x2261;]]></entity> <!--  -->
<entity  name="exist"><![CDATA[&#x2203;]]></entity> <!--  -->
<entity  name="forall"><![CDATA[&#x2200;]]></entity> <!--  -->
<entity  name="fnof"><![CDATA[&#x0192;]]></entity> <!-- LATIN SMALL LETTER F WITH HOOK -
-->
<entity  name="ge"><![CDATA[&#x2265;]]></entity> <!-- GREATER-THAN OR EQUAL TO -->
<entity  name="iff"><![CDATA[&#x21D4;]]></entity> <!-- LEFT RIGHT DOUBLE ARROW -->
<entity  name="infin"><![CDATA[&#x221E;]]></entity> <!--  -->
<entity  name="int"><![CDATA[&#x222B;]]></entity> <!--  -->
<entity  name="isin"><![CDATA[&#x220A;]]></entity> <!--  -->
<entity  name="lang"><![CDATA[&#x3008;]]></entity> <!--  -->
<entity  name="lArr"><![CDATA[&#x21D0;]]></entity> <!-- LEFTWARDS ARROW -->
<entity  name="le"><![CDATA[&#x2264;]]></entity> <!--  -->
<entity  name="minus"><![CDATA[&#x2212;]]></entity> <!-- MINUS SIGN -->
<entity  name="mnplus"><![CDATA[&#x2213;]]></entity> <!--  -->
<entity  name="nabla"><![CDATA[&#x2207;]]></entity> <!-- NABLA -->
<entity  name="ne"><![CDATA[&#x2260;]]></entity> <!--  -->
<entity  name="ni"><![CDATA[&#x220D;]]></entity> <!--  -->
<entity  name="or"><![CDATA[&#x2228;]]></entity> <!--  -->
<entity  name="par"><![CDATA[&#x2225;]]></entity> <!-- PARALLEL TO -->
<entity  name="part"><![CDATA[&#x2202;]]></entity> <!--  -->
<entity  name="permil"><![CDATA[&#x2030;]]></entity> <!-- PER MILLE SIGN -->
<entity  name="perp"><![CDATA[&#x22A5;]]></entity> <!--  -->
<entity  name="prime"><![CDATA[&#x2032;]]></entity> <!-- PRIME -->
<entity  name="Prime"><![CDATA[&#x2033;]]></entity> <!-- DOUBLE PRIME -->
<entity  name="prop"><![CDATA[&#x221D;]]></entity> <!--  -->
<entity  name="radic"><![CDATA[&#x221A;]]></entity> <!--  -->
<entity  name="rang"><![CDATA[&#x3009;]]></entity> <!--  -->
<entity  name="rArr"><![CDATA[&#x21D2;]]></entity> <!-- RIGHTWARDS ARROW -->
<entity  name="sim"><![CDATA[&#x223C;]]></entity> <!--  -->
<entity  name="sime"><![CDATA[&#x2243;]]></entity> <!--  -->
<entity  name="square"><![CDATA[&#x25A1;]]></entity> <!-- WHITE SQUARE -->
<entity  name="sub"><![CDATA[&#x2282;]]></entity> <!--  -->
<entity  name="sube"><![CDATA[&#x2286;]]></entity> <!--  -->
<entity  name="sup"><![CDATA[&#x2283;]]></entity> <!--  -->
<entity  name="supe"><![CDATA[&#x2287;]]></entity> <!--  -->
<entity  name="there4"><![CDATA[&#x2234;]]></entity> <!--  -->
<entity  name="Verbar"><![CDATA[&#x2016;]]></entity> <!-- DOUBLE VERTICAL LINE -->
<entity  name="angst"><![CDATA[&#x212B;]]></entity> <!-- ANGSTROM SIGN -->
<entity  name="bernou"><![CDATA[&#x212C;]]></entity> <!-- SCRIPT CAPITAL B -->
<entity  name="compfn"><![CDATA[&#x2218;]]></entity> <!-- RING OPERATOR -->
<entity  name="Dot"><![CDATA[&#x00A8;]]></entity> <!--  -->
<entity  name="DotDot"><![CDATA[&#x20DC;]]></entity> <!-- COMBINING FOUR DOTS ABOVE -->
<entity  name="hamilt"><![CDATA[&#x210B;]]></entity> <!-- SCRIPT CAPITAL H -->
<entity  name="lagran"><![CDATA[&#x2112;]]></entity> <!-- SCRIPT CAPITAL L -->
<entity  name="lowast"><![CDATA[&#x2217;]]></entity> <!-- ASTERISK OPERATOR -->
<entity  name="notin"><![CDATA[&#x2209;]]></entity> <!--  -->
<entity  name="order"><![CDATA[&#x2134;]]></entity> <!-- SCRIPT SMALL O -->
<entity  name="phmmat"><![CDATA[&#x2133;]]></entity> <!-- SCRIPT CAPITAL M -->
<entity  name="tdot"><![CDATA[&#x20DB;]]></entity> <!-- COMBINING THREE DOTS ABOVE -->
<entity  name="tprime"><![CDATA[&#x2034;]]></entity> <!-- TRIPLE PRIME -->
<entity  name="wedgeq"><![CDATA[&#x2259;]]></entity> <!-- ESTIMATES -->
    </entitySet>

<entitySet name="iso-amsn" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz
     With additional derivations from
     ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/SGML.TXT -->

<entity  name="gnap"><![CDATA[&#xE411;]]></entity> <!--  -->
<entity  name="gne"><![CDATA[&#x2269;]]></entity> <!--  -->
<entity  name="gnE"><![CDATA[&#x2269;]]></entity> <!--  -->
<entity name="gnsim"><![CDATA[&#x22E7;]]></entity> <!-- GREATER-THAN BUT NOT EQUIVALENT
TO -->
<entity  name="gvnE"><![CDATA[&#x2269;]]></entity> <!-- GREATER-THAN BUT NOT EQUAL TO --
>
```

```
<entity  name="lnap"><![CDATA[&#xE2A2;]]></entity> <!--  -->
<entity  name="lnE"><![CDATA[&#x2268;]]></entity> <!--  -->
<entity  name="lne"><![CDATA[&#x2268;]]></entity> <!--  -->
<entity  name="lnsim"><![CDATA[&#x22E6;]]></entity> <!--  -->
<entity  name="lvnE"><![CDATA[&#x2268;]]></entity> <!-- LESS-THAN BUT NOT EQUAL TO -->
<entity  name="nap"><![CDATA[&#x2249;]]></entity> <!-- NOT ALMOST EQUAL TO -->
<entity  name="ncong"><![CDATA[&#x2247;]]></entity> <!-- NEITHER APPROXIMATELY NOR ACTU-
ALLY EQUAL TO -->
<entity  name="nequiv"><![CDATA[&#x2262;]]></entity> <!-- NOT IDENTICAL TO -->
<entity  name="ngE"><![CDATA[&#x2271;]]></entity> <!--  -->
<entity  name="nge"><![CDATA[&#x2271;]]></entity> <!-- NEITHER GREATER-THAN NOR EQUAL TO
-->
<entity  name="nges"><![CDATA[&#x2271;]]></entity> <!--  -->
<entity  name="ngt"><![CDATA[&#x226F;]]></entity> <!-- NOT GREATER-THAN -->
<entity  name="nle"><![CDATA[&#x2270;]]></entity> <!-- NEITHER LESS-THAN NOR EQUAL TO --
>
<entity  name="nlE"><![CDATA[&#x2270;]]></entity> <!--  -->
<entity  name="nles"><![CDATA[&#x2270;]]></entity> <!--  -->
<entity  name="nlt"><![CDATA[&#x226E;]]></entity> <!-- NOT LESS-THAN -->
<entity  name="nltri"><![CDATA[&#x22EA;]]></entity> <!-- NOT NORMAL SUBGROUP OF -->
<entity  name="nltrie"><![CDATA[&#x22EC;]]></entity> <!-- NOT NORMAL SUBGROUP OF OR
EQUAL TO -->
<entity  name="nmid"><![CDATA[&#x2224;]]></entity> <!-- DOES NOT DIVIDE -->
<entity  name="npar"><![CDATA[&#x2226;]]></entity> <!-- NOT PARALLEL TO -->
<entity  name="npr"><![CDATA[&#x2280;]]></entity> <!-- DOES NOT PRECEDE -->
<entity  name="npre"><![CDATA[&#x22E0;]]></entity> <!-- DOES NOT PRECEDE OR EQUAL -->
<entity  name="nrtri"><![CDATA[&#x22EB;]]></entity> <!-- DOES NOT CONTAIN AS NORMAL SUB-
GROUP -->
<entity  name="nrtrie"><![CDATA[&#x22ED;]]></entity> <!-- DOES NOT CONTAIN AS NORMAL
SUBGROUP OR EQUAL -->
<entity  name="nsc"><![CDATA[&#x2281;]]></entity> <!-- DOES NOT SUCCEED -->
<entity  name="nsce"><![CDATA[&#x22E1;]]></entity> <!-- DOES NOT SUCCEED OR EQUAL -->
<entity  name="nsim"><![CDATA[&#x2241;]]></entity> <!--  -->
<entity  name="nsime"><![CDATA[&#x2244;]]></entity> <!--  -->
<entity  name="nsmid"><![CDATA[&#xE2AA;]]></entity> <!--  -->
<entity  name="nspar"><![CDATA[&#x2226;]]></entity> <!-- NOT PARALLEL TO -->
<entity  name="nsub"><![CDATA[&#x2284;]]></entity> <!-- NOT A SUBSET OF -->
<entity  name="nsube"><![CDATA[&#x2288;]]></entity> <!--  -->
<entity  name="nsubE"><![CDATA[&#x2288;]]></entity> <!--  -->
<entity  name="nsup"><![CDATA[&#x2285;]]></entity> <!-- NOT A SUPERSET OF -->
<entity  name="nsupE"><![CDATA[&#x2289;]]></entity> <!--  -->
<entity  name="nsupe"><![CDATA[&#x2289;]]></entity> <!--  -->
<entity  name="nvdash"><![CDATA[&#x22AC;]]></entity> <!-- DOES NOT PROVE -->
<entity  name="nvDash"><![CDATA[&#x22AD;]]></entity> <!-- NOT TRUE -->
<entity  name="nVDash"><![CDATA[&#x22AF;]]></entity> <!-- NEGATED DOUBLE VERTICAL BAR
DOUBLE RIGHT TURNSTILE -->
<entity  name="nVdash"><![CDATA[&#x22AE;]]></entity> <!-- DOES NOT FORCE -->
<entity  name="prnap"><![CDATA[&#x22E8;]]></entity> <!--  -->
<entity  name="prnE"><![CDATA[&#xE2B3;]]></entity> <!--  -->
<entity  name="prnsim"><![CDATA[&#x22E8;]]></entity> <!--  -->
<entity  name="scnap"><![CDATA[&#x22E9;]]></entity> <!--  -->
<entity  name="scnE"><![CDATA[&#xE2B5;]]></entity> <!--  -->
<entity  name="scnsim"><![CDATA[&#x22E9;]]></entity> <!--  -->
<entity  name="subne"><![CDATA[&#x228A;]]></entity> <!--  -->
<entity  name="subnE"><![CDATA[&#x228A;]]></entity> <!-- SUBSET OF WITH NOT EQUAL TO -->
<entity  name="supne"><![CDATA[&#x228B;]]></entity> <!--  -->
<entity  name="supnE"><![CDATA[&#x228B;]]></entity> <!--  -->
<entity  name="vsubnE"><![CDATA[&#xE2B8;]]></entity> <!--  -->
<entity  name="vsubne"><![CDATA[&#x228A;]]></entity> <!-- SUBSET OF WITH NOT EQUAL TO-->
<entity  name="vsupne"><![CDATA[&#x228B;]]></entity> <!-- SUPERSET OF WITH NOT EQUAL TO
-->
<entity  name="vsupnE"><![CDATA[&#x228B;]]></entity> <!-- SUPERSET OF WITH NOT EQUAL TO
-->
  </entitySet>
<entitySet name="iso-amso" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz
     With additional derivations from
     ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/SGML.TXT -->

<entity  name="ang"><![CDATA[&#x2220;]]></entity> <!-- ANGLE -->
<entity  name="angmsd"><![CDATA[&#x2221;]]></entity> <!-- MEASURED ANGLE -->
<entity  name="beth"><![CDATA[&#x2136;]]></entity> <!-- BET SYMBOL -->
<entity  name="bprime"><![CDATA[&#x2035;]]></entity> <!-- REVERSED PRIME -->
<entity  name="comp"><![CDATA[&#x2201;]]></entity> <!-- COMPLEMENT -->
<entity  name="daleth"><![CDATA[&#x2138;]]></entity> <!-- DALET SYMBOL -->
<entity  name="ell"><![CDATA[&#x2113;]]></entity> <!-- SCRIPT SMALL L -->
<entity  name="empty"><![CDATA[&#x2205;]]></entity> <!--  -->
<entity  name="gimel"><![CDATA[&#x2137;]]></entity> <!-- GIMEL SYMBOL -->
<entity  name="image"><![CDATA[&#x2111;]]></entity> <!-- BLACK-LETTER CAPITAL I -->
<entity  name="inodot"><![CDATA[&#x0131;]]></entity> <!-- LATIN SMALL LETTER DOTLESS I -
->
<!--    jnodotUnknown unicode character -->
<entity  name="nexist"><![CDATA[&#x2204;]]></entity> <!-- THERE DOES NOT EXIST -->
<entity  name="oS"><![CDATA[&#x24C8;]]></entity> <!-- CIRCLED LATIN CAPITAL LETTER S -->
<entity  name="planck"><![CDATA[&#x210F;]]></entity> <!-- PLANCK CONSTANT OVER TWO PI --
>
```

```
<entity  name="real"><![CDATA[&#x211C;]]></entity> <!-- BLACK-LETTER CAPITAL R -->
<entity  name="sbsol"><![CDATA[&#xFE68;]]></entity> <!-- SMALL REVERSE SOLIDUS -->
<entity  name="vprime"><![CDATA[&#x2032;]]></entity> <!-- PRIME -->
<entity  name="weierp"><![CDATA[&#x2118;]]></entity> <!-- SCRIPT CAPITAL P -->
  </entitySet>

  <entitySet name="iso-box" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz -->

<entity  name="boxh"><![CDATA[&#x2500;]]></entity> <!-- BOX DRAWINGS LIGHT HORIZONTAL --
>
<entity  name="boxv"><![CDATA[&#x2502;]]></entity> <!-- BOX DRAWINGS LIGHT VERTICAL -->
<entity  name="boxur"><![CDATA[&#x2514;]]></entity> <!-- BOX DRAWINGS LIGHT UP AND RIGHT
-->
<entity  name="boxul"><![CDATA[&#x2518;]]></entity> <!-- BOX DRAWINGS LIGHT UP AND LEFT
-->
<entity  name="boxdl"><![CDATA[&#x2510;]]></entity> <!-- BOX DRAWINGS LIGHT DOWN AND
LEFT -->
<entity  name="boxdr"><![CDATA[&#x250C;]]></entity> <!-- BOX DRAWINGS LIGHT DOWN AND
RIGHT -->
<entity  name="boxvr"><![CDATA[&#x251C;]]></entity> <!-- BOX DRAWINGS LIGHT VERTICAL AND
RIGHT -->
<entity  name="boxhu"><![CDATA[&#x2534;]]></entity> <!-- BOX DRAWINGS LIGHT UP AND HORI-
ZONTAL -->
<entity  name="boxvl"><![CDATA[&#x2524;]]></entity> <!-- BOX DRAWINGS LIGHT VERTICAL AND
LEFT -->
<entity  name="boxhd"><![CDATA[&#x252C;]]></entity> <!-- BOX DRAWINGS LIGHT DOWN AND
HORIZONTAL -->
<entity  name="boxvh"><![CDATA[&#x253C;]]></entity> <!-- BOX DRAWINGS LIGHT VERTICAL AND
HORIZONTAL -->
<entity  name="boxvR"><![CDATA[&#x255E;]]></entity> <!-- BOX DRAWINGS VERTICAL SINGLE
AND RIGHT DOUBLE -->
<entity  name="boxhU"><![CDATA[&#x2567;]]></entity> <!-- BOX DRAWINGS UP SINGLE AND HOR-
IZONTAL DOUBLE -->
<entity  name="boxvL"><![CDATA[&#x2561;]]></entity> <!-- BOX DRAWINGS VERTICAL SINGLE
AND LEFT DOUBLE -->
<entity  name="boxhD"><![CDATA[&#x2564;]]></entity> <!-- BOX DRAWINGS DOWN SINGLE AND
HORIZONTAL DOUBLE -->
<entity  name="boxvH"><![CDATA[&#x256A;]]></entity> <!-- BOX DRAWINGS VERTICAL SINGLE
AND HORIZONTAL DOUBLE -->
<entity  name="boxH"><![CDATA[&#x2550;]]></entity> <!-- BOX DRAWINGS DOUBLE HORIZONTAL -
->
<entity  name="boxV"><![CDATA[&#x2551;]]></entity> <!-- BOX DRAWINGS DOUBLE VERTICAL -->
<entity  name="boxUR"><![CDATA[&#x2558;]]></entity> <!-- BOX DRAWINGS UP SINGLE AND
RIGHT DOUBLE -->
<entity  name="boxUL"><![CDATA[&#x255B;]]></entity> <!-- BOX DRAWINGS UP SINGLE AND LEFT
DOUBLE -->
<entity  name="boxDL"><![CDATA[&#x2555;]]></entity> <!-- BOX DRAWINGS DOWN SINGLE AND
LEFT DOUBLE -->
<entity  name="boxDR"><![CDATA[&#x2552;]]></entity> <!-- BOX DRAWINGS DOWN SINGLE AND
RIGHT DOUBLE -->
<entity  name="boxVR"><![CDATA[&#x255F;]]></entity> <!-- BOX DRAWINGS VERTICAL DOUBLE
AND RIGHT SINGLE -->
<entity  name="boxHU"><![CDATA[&#x2568;]]></entity> <!-- BOX DRAWINGS UP DOUBLE AND HOR-
IZONTAL SINGLE -->
<entity  name="boxVL"><![CDATA[&#x2562;]]></entity> <!-- BOX DRAWINGS VERTICAL DOUBLE
AND LEFT SINGLE -->
<entity  name="boxHD"><![CDATA[&#x2565;]]></entity> <!-- BOX DRAWINGS DOWN DOUBLE AND
HORIZONTAL SINGLE -->
<entity  name="boxVH"><![CDATA[&#x256B;]]></entity> <!-- BOX DRAWINGS VERTICAL DOUBLE
AND HORIZONTAL SINGLE -->
<entity  name="boxVr"><![CDATA[&#x2560;]]></entity> <!-- BOX DRAWINGS DOUBLE VERTICAL
AND RIGHT -->
<entity  name="boxHu"><![CDATA[&#x2569;]]></entity> <!-- BOX DRAWINGS DOUBLE UP AND HOR-
IZONTAL -->
<entity  name="boxVl"><![CDATA[&#x2563;]]></entity> <!-- BOX DRAWINGS DOUBLE VERTICAL
AND LEFT -->
<entity  name="boxHd"><![CDATA[&#x2566;]]></entity> <!-- BOX DRAWINGS DOUBLE DOWN AND
HORIZONTAL -->
<entity  name="boxVh"><![CDATA[&#x256C;]]></entity> <!-- BOX DRAWINGS DOUBLE VERTICAL
AND HORIZONTAL -->
<entity  name="boxuR"><![CDATA[&#x2559;]]></entity> <!-- BOX DRAWINGS UP DOUBLE AND
RIGHT SINGLE -->
<entity  name="boxUl"><![CDATA[&#x255C;]]></entity> <!-- BOX DRAWINGS UP DOUBLE AND LEFT
SINGLE -->
<entity  name="boxdL"><![CDATA[&#x2556;]]></entity> <!-- BOX DRAWINGS DOWN DOUBLE AND
LEFT SINGLE -->
<entity  name="boxDr"><![CDATA[&#x2553;]]></entity> <!-- BOX DRAWINGS DOWN DOUBLE AND
RIGHT SINGLE -->
<entity  name="boxUr"><![CDATA[&#x255A;]]></entity> <!-- BOX DRAWINGS DOUBLE UP AND
RIGHT -->
<entity  name="boxuL"><![CDATA[&#x255D;]]></entity> <!-- BOX DRAWINGS DOUBLE UP AND LEFT
-->
<entity  name="boxDl"><![CDATA[&#x2557;]]></entity> <!-- BOX DRAWINGS DOUBLE DOWN AND
LEFT -->
```

```
<entity name="boxdR"><![CDATA[&#x2554;]]></entity> <!-- BOX DRAWINGS DOUBLE DOWN AND
RIGHT -->
  </entitySet>
<entitySet name="iso-amsr" >

<!-- Derived from the corresponding ISO 8879 standard entity set
     and the Unicode character mappings provided by Sebastian Rahtz.
     With additional derivations from
     ftp://ftp.unicode.org/Public/MAPPINGS/VENDORS/MISC/SGML.TXT -->

<entity name="ape"><![CDATA[&#x224A;]]></entity> <!--  -->
<entity name="asymp"><![CDATA[&#x224D;]]></entity> <!-- EQUIVALENT TO -->
<entity name="bcong"><![CDATA[&#x224C;]]></entity> <!-- ALL EQUAL TO -->
<entity name="bepsi"><![CDATA[&#x220D;]]></entity> <!-- SMALL CONTAINS AS MEMBER -->
<entity name="bowtie"><![CDATA[&#x22C8;]]></entity> <!--  -->
<entity name="bsim"><![CDATA[&#x223D;]]></entity> <!--  -->
<entity name="bsime"><![CDATA[&#x22CD;]]></entity> <!--  -->
<entity name="bump"><![CDATA[&#x224E;]]></entity> <!--  -->
<entity name="bumpe"><![CDATA[&#x224F;]]></entity> <!--  -->
<entity name="cire"><![CDATA[&#x2257;]]></entity> <!--  -->
<entity name="colone"><![CDATA[&#x2254;]]></entity> <!--  -->
<entity name="cuepr"><![CDATA[&#x22DE;]]></entity> <!--  -->
<entity name="cuesc"><![CDATA[&#x22DF;]]></entity> <!--  -->
<entity name="cupre"><![CDATA[&#x227C;]]></entity> <!--  -->
<entity name="dashv"><![CDATA[&#x22A3;]]></entity> <!--  -->
<entity name="ecir"><![CDATA[&#x2256;]]></entity> <!--  -->
<entity name="ecolon"><![CDATA[&#x2255;]]></entity> <!--  -->
<entity name="eDot"><![CDATA[&#x2251;]]></entity> <!--  -->
<entity name="esdot"><![CDATA[&#x2250;]]></entity> <!--  -->
<entity name="efDot"><![CDATA[&#x2252;]]></entity> <!--  -->
<entity name="egs"><![CDATA[&#x22DD;]]></entity> <!--  -->
<entity name="els"><![CDATA[&#x22DC;]]></entity> <!--  -->
<entity name="erDot"><![CDATA[&#x2253;]]></entity> <!--  -->
<entity name="fork"><![CDATA[&#x22D4;]]></entity> <!--  -->
<entity name="frown"><![CDATA[&#x2322;]]></entity> <!--  -->
<entity name="gap"><![CDATA[&#x2273;]]></entity> <!-- GREATER-THAN OR EQUIVALENT TO -->
<entity name="gsdot"><![CDATA[&#x22D7;]]></entity> <!--  -->
<entity name="gE"><![CDATA[&#x2267;]]></entity> <!--  -->
<entity name="gel"><![CDATA[&#x22DB;]]></entity> <!--  -->
<entity name="gEl"><![CDATA[&#x22DB;]]></entity> <!--  -->
<entity name="ges"><![CDATA[&#x2265;]]></entity> <!-- GREATER-THAN OR EQUAL TO -->
<entity name="Gg"><![CDATA[&#x22D9;]]></entity> <!-- VERY MUCH GREATER-THAN -->
<entity name="gl"><![CDATA[&#x2277;]]></entity> <!--  -->
<entity name="gsim"><![CDATA[&#x2273;]]></entity> <!-- GREATER-THAN OR EQUIVALENT TO --
>
<entity name="Gt"><![CDATA[&#x226B;]]></entity> <!-- MUCH GREATER-THAN -->
<entity name="lap"><![CDATA[&#x2272;]]></entity> <!-- LESS-THAN OR EQUIVALENT TO -->
<entity name="ldot"><![CDATA[&#x22D6;]]></entity> <!--  -->
<entity name="lE"><![CDATA[&#x2266;]]></entity> <!--  -->
<entity name="lEg"><![CDATA[&#x22DA;]]></entity> <!--  -->
<entity name="leg"><![CDATA[&#x22DA;]]></entity> <!--  -->
<entity name="les"><![CDATA[&#x2264;]]></entity> <!-- LESS-THAN OR EQUAL TO -->
<entity name="lg"><![CDATA[&#x2276;]]></entity> <!-- LESS-THAN OR GREATER-THAN -->
<entity name="Ll"><![CDATA[&#x22D8;]]></entity> <!--  -->
<entity name="lsim"><![CDATA[&#x2272;]]></entity> <!-- LESS-THAN OR EQUIVALENT TO -->
<entity name="Lt"><![CDATA[&#x226A;]]></entity> <!-- MUCH LESS-THAN -->
<entity name="ltrie"><![CDATA[&#x22B4;]]></entity> <!--  -->
<entity name="mid"><![CDATA[&#x2223;]]></entity> <!--  -->
<entity name="models"><![CDATA[&#x22A7;]]></entity> <!-- MODELS -->
<entity name="pr"><![CDATA[&#x227A;]]></entity> <!--  -->
<entity name="prap"><![CDATA[&#x227E;]]></entity> <!--  -->
<entity name="pre"><![CDATA[&#x227C;]]></entity> <!--  -->
<entity name="prsim"><![CDATA[&#x227E;]]></entity> <!--  -->
<entity name="rtrie"><![CDATA[&#x22B5;]]></entity> <!--  -->
<entity name="samalg"><![CDATA[&#x2210;]]></entity> <!--  -->
<entity name="sc"><![CDATA[&#x227B;]]></entity> <!--  -->
<entity name="scap"><![CDATA[&#x227F;]]></entity> <!--  -->
<entity name="sccue"><![CDATA[&#x227D;]]></entity> <!--  -->
<entity name="sce"><![CDATA[&#x227D;]]></entity> <!--  -->
<entity name="scsim"><![CDATA[&#x227F;]]></entity> <!--  -->
<entity name="sfrown"><![CDATA[&#x2322;]]></entity> <!-- FROWN -->
<entity name="smid"><![CDATA[&#xE301;]]></entity> <!--  -->
<entity name="smile"><![CDATA[&#x2323;]]></entity> <!--  -->
<entity name="spar"><![CDATA[&#x2225;]]></entity> <!-- PARALLEL TO -->
<entity name="sqsub"><![CDATA[&#x228F;]]></entity> <!--  -->
<entity name="sqsube"><![CDATA[&#x2291;]]></entity> <!--  -->
<entity name="sqsup"><![CDATA[&#x2290;]]></entity> <!--  -->
<entity name="sqsupe"><![CDATA[&#x2292;]]></entity> <!--  -->
<entity name="ssmile"><![CDATA[&#x2323;]]></entity> <!-- SMILE -->
<entity name="Sub"><![CDATA[&#x22D0;]]></entity> <!--  -->
<entity name="subE"><![CDATA[&#x2286;]]></entity> <!--  -->
<entity name="Sup"><![CDATA[&#x22D1;]]></entity> <!--  -->
<entity name="supE"><![CDATA[&#x2287;]]></entity> <!--  -->
<entity name="thkap"><![CDATA[&#x2248;]]></entity> <!-- ALMOST EQUAL TO -->
<entity name="thksim"><![CDATA[&#x223C;]]></entity> <!-- TILDE OPERATOR -->
<entity name="trie"><![CDATA[&#x225C;]]></entity> <!--  -->
<entity name="twixt"><![CDATA[&#x226C;]]></entity> <!-- BETWEEN -->
<entity name="vdash"><![CDATA[&#x22A2;]]></entity> <!--  -->
```

```
<entity  name="Vdash"><![CDATA[&#x22A9;]]></entity> <!--  -->
<entity  name="vDash"><![CDATA[&#x22A8;]]></entity> <!--  -->
<entity  name="veebar"><![CDATA[&#x22BB;]]></entity> <!--  -->
<entity  name="vltri"><![CDATA[&#x22B2;]]></entity> <!--  -->
<entity  name="vprop"><![CDATA[&#x221D;]]></entity> <!--  -->
<entity  name="vrtri"><![CDATA[&#x22B3;]]></entity> <!--  -->
<entity  name="Vvdash"><![CDATA[&#x22AA;]]></entity> <!--  -->
  </entitySet>
  <entitySet name="dbcent" pubid="-//OASIS//ENTITIES DocBook Character Entities V4.2CR1/
/EN">
<entity name="euro" ><![CDATA[&#x20AC;]]></entity>
  </entitySet>
 </entitySets>
</informationItems>
```

Appendix C: NII for 3B2 Processing Instructions

The following NII file provides a set of names for the some processing instructions useable with the 3B2 typesetting engine. This is a batch mode system; users can add processing instructions to the XML or SGML documents to override typesetting behaviour, if they judge this to give better results than the 3B2's built-in rules.

Note that often times a processing instruction may include difficult-to-remember codes, or be parameterized, so named PIs for the most useful cases may be useful.

```
<informationItems>
<processingSets>
<processingSet name="Typesetter3B2">

<pi name="ForceColumnBreak"
 ><![CDATA[<?b1?>]]></pi>
<pi name="ForcePageBreakBefore"
 ><![CDATA[<?breakt b2?>]]></pi>
<pi name="ForceColumnBreakBefore"
 ><![CDATA[<?breakb b1?>]]></pi>
<pi name="ForcePageBreakAfter"
 ><![CDATA[<?breakt b2?>]]></pi>
<pi name="ForceColumnBreakAfter"
 ><![CDATA[<?breakb b1?>]]></pi>
<pi name="SoftPageBreak"
 ><![CDATA[<?breakb b17?>]]></pi>
<pi name="SoftColumnBreak"
 ><![CDATA[<?breakb b16?>]]></pi>

<pi name="AllowOverhandLeft"
 ><![CDATA[<?overhang l?>]]></pi>
<pi name="AllowOverhangRight"
 ><![CDATA[<?overhang r?>]]></pi>
<pi name="AllowOverhang"
 ><![CDATA[<?overhang c?>]]></pi>
<pi name="Overhang_Off"
 ><![CDATA[<?overhang 0?>]]></pi>

<pi name="AllowLongLine"
 ><![CDATA[<?trespass?>]]></pi>

<pi name="Keep"
 ><![CDATA[<?keep?>]]></pi>
<pi name="EndKeep"
 ><![CDATA[<?endkeep?>]]></pi>
```

```
</processingSet>
</processingSets>
</informationItems>
```