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<!-- Index XML DTD - V1.0 - index-xml.dtd -->
<!--
  A DTD for both display and data representations of an index
  to facilitate:
      data transfer between software applications,
      embedded entries in text,
  and      displayed/browsable index for composition or web sites.

  No attempt is made herein to replicate all the settings provided
  by any software application for the display format of an index. Both
> the maintenance documentation for more information.

  Please direct all questions, bug reports, or suggestions for
  changes to the support@levtechinc.com.
-->

<!-- author: David K. Ream -->

<!--
  updated: 07/20/2006
  revised: 04/13/2007
-->

<!-- character entities -->

<!ENTITY % index-erefs.module "INCLUDE">
<![%index-erefs.module;[
<!ENTITY % index-erefs PUBLIC
"-//LevTech//ENTITIES V1.0//EN"
"index-erefs.mod">
%index-erefs;
]]>

<!-- other non-ASCII characters will be represented with numeric character entities (&#.
>..;) -->

<!-- software special character entities -->
<!ENTITY defeat "&#x007E;"> <!-- CINDEIX tilde -->
<!ENTITY force "&#x005C;"> <!-- CINDEIX backslash -->

<!-- index elements -->

<!--
  datetime stamps should be presented in ISO format yyyy-mm-ddThh:mm:ss

  colors should be sRGB values (#ddddd) or one of the widely-recognized color names:
  black, silver, gray, white, maroon, red, purple, fuschia, green, lime, olive,
  yellow, navy, blue, teal, aqua

  languages should be ISO Language Codes
-->

<!ELEMENT idx:index ( idx:data | idx:display )+ >
<!ATTLIST idx:index
  audience CDATA #IMPLIED
  creator CDATA #IMPLIED
  created.datetime CDATA #IMPLIED
  font.name CDATA #IMPLIED
  font.name.alternate CDATA #IMPLIED
  edited.datetime CDATA #IMPLIED
  edition CDATA #IMPLIED
  editor CDATA #IMPLIED
  language CDATA #IMPLIED
  link.id CDATA #IMPLIED
  publication.code CDATA #IMPLIED
  publication.system CDATA #IMPLIED
  sort.method ( word | letter ) #IMPLIED
```

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        title CDATA #IMPLIED
        version.number CDATA #IMPLIED
    >

<!-- display representation elements -->
<!-- this is not a tight syntax; it is assumed that software generates correct indexing
>entries -->

<!ELEMENT idx:display ( idx:group+ | idx:level+ ) >

<!ELEMENT idx:group ( idx:heading, idx:level+ ) >

<!ELEMENT idx:level ( ( idx:entry+, idx:level* )+ ) >
<!ATTLIST idx:level
    number ( 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 ) #RE
>REQUIRED
    unique.id CDATA #IMPLIED
    >

<!ELEMENT idx:entry ( idx:heading, ( ( idx:locatorlist*, idx:xref* ) | idx:ednote* ) ) >
>

<!ELEMENT idx:heading ( #PCDATA | gen:style | gen:font | gen:sort )* >

<!ELEMENT idx:ednote ( #PCDATA | gen:style | gen:font | gen:sort )* >

<!ELEMENT idx:locatorlist ( #PCDATA | idx:locator )* >

<!ELEMENT idx:locator ( #PCDATA | gen:style | gen:font | gen:sort )* >
<!ATTLIST idx:locator
    link.id CDATA #IMPLIED
    type ( print | electronic ) #IMPLIED
    >

<!ELEMENT idx:xref ( #PCDATA | gen:style | gen:font | gen:sort )* >
<!ATTLIST idx:xref
    unique.id.ref CDATA #IMPLIED
    >

<!-- data representation elements -->

<!ELEMENT idx:data ( idx:record* ) >

<!ELEMENT idx:record ( idx:field+ ) >
<!ATTLIST idx:record
    created.datetime CDATA #IMPLIED
    creator CDATA #IMPLIED
    deleted ( y | n ) #IMPLIED
    edited.datetime CDATA #IMPLIED
    editor CDATA #IMPLIED
    id CDATA #IMPLIED
    labeled CDATA #IMPLIED
    >

<!ELEMENT idx:field ( #PCDATA | gen:style | gen:font | gen:sort )* >

<!-- general elements -->

<!ELEMENT gen:style ( #PCDATA | gen:style | gen:font | gen:sort )* >
<!ATTLIST gen:style
    emph ( b | bc | bci | bciu | bcu | bi | bis | biu | bs | bu | c | ci | cu | i
>| is | iu | n | s | u ) #REQUIRED
    shift ( i | n | s ) #IMPLIED
    >

<!--
    emphasis: b = bold; c = smallcaps; i = italics; s = strikethrough; u = underline; n
> = none

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(baseline) shift: i = inferior; s = superior
-->

<!ELEMENT gen:font ( #PCDATA | gen:style | gen:sort )* >
<!ATTLIST gen:font
    name CDATA #IMPLIED
    name.alternate CDATA #IMPLIED
>
<!--
    Font names vary across platforms. It is up to the receiving software to map the nam
>es.
    Use Postscript font names if possible.
-->

<!ELEMENT gen:sort ( #PCDATA )* >
<!ATTLIST gen:sort
    hide.from ( n | y ) #REQUIRED
    include.in ( n | y ) #REQUIRED
>
```