The Elsevier XML DTD 5 Family
The Elsevier Book DTD

Tag by Tag

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The authors are members of Elsevier's DTD Development & Maintenance Team. That team is responsible for development, maintenance and support of the Elsevier DTDs and XML schemas. Former members of the team have contributed to the current documentation. Comments about the DTDs and their documentation, as well as change requests, can be sent to the team. Change requests will be considered for implementation in a future DTD.

The Elsevier DTDs, schemas, and a fully clickable PDF file of this documentation are available via http://www.elsevier.com/locate/xml.

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Contents

Book DTD

This chapter contains an alphabetic listing of the elements in the Elsevier Book DTD and its predecessor, the Elsevier Health Sciences Book DTD. This DTD has the following top-level elements: `book`, `chapter`, `simple-chapter`, `examination`, `fb-non-chapter`, `glossary`, `index`, `introduction`, `bibliography`. These top-level elements provide the option to define the *structure* of the book (`book`) and the *content* of the book (the other top-level elements). The former contains metadata and hierarchy of the book project, and it "calls" the chapters, the index, etc. using the `ce:include-item` element. This is why it is often referred to as the "hub" of the book.

In serial publications, items and issue hubs are structured with two different DTDs, the JA DTD and the SI DTD. This is due to historical reasons. In the Elsevier Book DTD, all aspects of a book are supported.

CEP version used in this DTD

The Book DTD versions described in this documentation make use of different versions of the common element pool, as follows:

Book DTD	Common element pool
EHS Book DTD 5.1.0	CEP 1.1.2
EHS Book DTD 5.1.1	CEP 1.1.3
Book DTD 5.2.0	CEP 1.1.3
Book DTD 5.2.1	CEP 1.1.3
Book DTD 5.3.0	CEP 1.1.6
Book DTD 5.3.1	CEP 1.1.6

Parameter entities

The Book DTDs use the local parameter entities `%local.spar.data;` and `%local.par.data;` to add element `ce:index-flag` to parameter entities `%spar.data;` and `%par.data;`. The effect is that `ce:index-flag` can be used in any element that has `%spar.data;` or `%par.data;` in its model. In the same way it adds `ce:br` to parameter entity `%textfn.data;`.

```
<!ENTITY % local.spar.data   "| ce:index-flag">
<!ENTITY % local.par.data    "| ce:index-flag">
<!ENTITY % local.textfn.data "| ce:br">
```

bibliography

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  bibliography          ( info, ce:further-reading+ )>
<!ATTLIST  bibliography
           id                    ID              #REQUIRED
           xmlns                 CDATA           #FIXED %ES.xmlns;
           version               CDATA           #FIXED '5.1'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %language;      'en'
           docsubtype            %docsubtype;    #FIXED "bib">
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  bibliography          ( info, ce:label?, ce:further-
                                   reading* )>
<!ATTLIST  bibliography
           id                    ID              #REQUIRED
           xmlns                 CDATA           #FIXED %ESBK.xmlns;
           version               CDATA           #FIXED '5.2'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %language;      'en'
           role                  CDATA           #IMPLIED
           docsubtype            %docsubtype;    #FIXED "bib">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  bibliography          ( info, ce:label?, ce:title?,
                                   ce:further-reading* )>
<!ATTLIST  bibliography
           xmlns                 CDATA           #FIXED %ES.xmlns;
           version               CDATA           #FIXED '5.3'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %iso639;        'en'
           id                    ID              #REQUIRED
           role                  CDATA           #IMPLIED
           docsubtype            %docsubtype;    #FIXED "bib">
```

Description

The element `bibliography` is used to capture book-level bibliographies that sometimes appear in a book's back matter.

Usage

The `bibliography` element is used to capture a book-level bibliography when they appear in the back matter of a book. When used, `bibliography` will always appear as a top-level element, with its own DOCTYPE declaration/PUBLIC identifier appearing at the top of the XML file. A `bibliography` gets called into the book's hub XML file by a `ce:include-item` element.

Content for `bibliography` consists of required `info` followed by optional `ce:label`, optional `ce:title`, and optional/repeatable `ce:further-reading`.

It has an optional `role`, along with several required attributes:

- `xmlns` http://www.elsevier.com/xml/book/dtd
- `version` 5.3
- `xmlns:ce` http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink` http://www.w3.org/1999/xlink
- `xml:lang` en
- `id`
- `docsubtype` bib.

XML

```
<!DOCTYPE bibliography PUBLIC "-//ES//DTD book DTD
  version 5.3.0//EN//XML" "book530.dtd" []>
<bibliography docsubtype="bib" id="bibliog">
  <info>
    <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
    <ce:isbn>978-0-323-01679-7</ce:isbn>
    <ce:copyright type="full-transfer" year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:title>Bibliography</ce:title>
  <ce:further-reading>
  ...
  </ce:further-reading>
</bibliography>
```

Version history

In the Elsevier Book DTD 5.2.0 the optional attribute `role` and optional subelement `ce:label` were added, and `ce:further-reading` was made optional/repeatable to allow for Ultra-light delivery of book backfile projects.

In the Elsevier Book DTD 5.3.0 the `ce:title` was added to allow for proper title and tagging in synch with other DOCTYPES.

The `ce:section-title` element, child of `ce:bibliography` should no longer be used for Bibliography item titles.

body

Declaration

Model (Book DTD 5.1.0–Book DTD 5.2.1)

```
<!ELEMENT  body                  ( volume | part | section | ce:include-
                                   item )+>
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  body                  ( volume | part | section | ce:include-
                                   item )+>
<!ATTLIST  body
           role                  CDATA              #IMPLIED>
```

Description

The element body is used to capture all of the material that appears between the front and rear of Elsevier books.

Usage

The body element is used to delimit and capture the material that appears between the front and rear in Elsevier books. It consists of required and repeatable volumes and/or parts and/or sections and/or ce:include-items.

It has an optional role.

The element body, child of book, appears in the hub file for the book. If present, any hierarchy above chapters (e.g. volume, parts, sections) should also be captured using this content model within the hub file.

Lower-level items (doctypes chapter, introduction, examination, and in very rare cases bibliography) within the body get called in to the hub file using ce:include-item elements. Other doctypes usually do not get called into body.

XML

```
<body>
  <volume id="vI"><ce:label>Volume I</ce:label>
    <part id="pA"><ce:label>Part A</ce:label>
      <ce:title>GENERAL ISSUES AND APPROACH TO DISEASE
        IN PRIMARY CARE MEDICINE</title>
      <ce:include-item>
       <ce:pii>B0-323-01679-0/10027-7</ce:pii>
        <ce:title>Introduction</ce:title>
        <ce:pages>
          <ce:first-page>1</ce:first-page>
          <ce:last-page>8</ce:last-page>
        </ce:pages>
      </ce:include-item>
      <section id="s1"><ce:label>Section 1</ce:label>
        <ce:title>Core Issues and Special Groups
          in Primary Care</ce:title>
        <ce:include-item>
          <ce:pii>B0-323-01679-0/10003-4</ce:pii>
```

```
            <ce:title>Core Issues in Primary Care</ce:title>
            <ce:pages>
              <ce:first-page>9</ce:first-page>
              <ce:last-page>18</ce:last-page>
            </ce:pages>
          </ce:include-item>
          ...
        </section>
        ...
      </part>
      ...
    </volume>
  </body>
```

Version history

In Elsevier Book DTD 5.3.0 the optional attribute `role` was added.

book

Declaration

Model (Book DTD 5.2.0)

```
<!ELEMENT  book                    ( info, top, ce:floats?, front, body,
                                     rear )>
<!ATTLIST  book
           xmlns                   CDATA              #FIXED %ESBK.xmlns;
           version                 CDATA              #FIXED '5.2'
           xmlns:ce                CDATA              #FIXED %ESCE.xmlns;
           xmlns:xlink             CDATA              #FIXED %XLINK.xmlns;
           xml:lang                %language;         'en'
           docsubtype              %docsubtype;       #FIXED "bk">
```

Model (Book DTD 5.2.1)

```
<!ELEMENT  book                    ( info, top, ce:floats?, front?, body,
                                     rear? )>
<!ATTLIST  book
           xmlns                   CDATA              #FIXED %ESBK.xmlns;
           version                 CDATA              #FIXED '5.2'
           xmlns:ce                CDATA              #FIXED %ESCE.xmlns;
           xmlns:xlink             CDATA              #FIXED %XLINK.xmlns;
           xml:lang                %language;         'en'
           docsubtype              %docsubtype;       #FIXED "bk">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  book                    ( info, top, ce:floats?, front?, body+,
                                     rear? )>
<!ATTLIST  book
           xmlns                   CDATA              #FIXED %ES.xmlns;
           version                 CDATA              #FIXED '5.3'
           xmlns:ce                CDATA              #FIXED %ESCE.xmlns;
           xmlns:xlink             CDATA              #FIXED %XLINK.xmlns;
           xml:lang                %iso639;           'en'
           docsubtype              %docsubtype-book;  "bk">
```

Description

The element book is the top-level element for Elsevier books. A majority of books should be able to be captured using the content model from this DTD.

Usage

A Book dataset can be used to capture most Elsevier book publications.

Book content consists of a hub file used to reflect hierarchy in body above chapter, as well as to call all of the lower-level doctypes (e.g. chapter, index) into the book. Contrary to serial publications, where the item and the hub have different DTDs for historical reasons, the hub and items of an Elsevier book are structured with different top-level elements (doctypes) of the same DTD.

The hub's top-level element is book. It consists of required info and top, optional ce:floats and optional front, required/repeatable body, and optional rear elements.

It has several required attributes:

- xmlns: http://www.elsevier.com/xml/book/dtd
- version: 5.3
- xmlns:ce: http://www.elsevier.com/xml/common/dtd
- xmlns:xlink: http://www.w3.org/1999/xlink
- xml:lang: en (default value)
- docsubtype-book: bk (default value)

XML

```
<!DOCTYPE book
  PUBLIC "-//ES//DTD book DTD version 5.3.0//EN//XML"
  "book530.dtd" []>
<book>
  <info>
    ...
  </info>
  <top>
    ...
  </top>
  <front>
    ...
  </front>
  <body>
    ...
  </body>
  <rear>
    ...
  </rear>
</book>
```

Version history

In the Elsevier Book DTD 5.2.0 the top-level element changed from ehs-book to book. The subelement top was added as was the attribute docsubtype with fixed value bk.

In the Elsevier Book DTD 5.2.1 subelements front and rear were made optional.

In the Elsevier Book DTD 5.3.0, attribute docsubtype, changed from a fixed value of bk, to a default value of bk. Other values are possible (com, dct, or enc), based on the type of book being delivered.

The element body was also made repeatable in v5.3.0 to properly accomodate MRWs into the STAB Book work DTD.

chapter

Declaration

Model (Book DTD 5.1.0)

```
<!ELEMENT  chapter            ( info, ce:floats?, ce:label, ce:title,
                                ce:subtitle?, ce:author-group*,
                                ce:displayed-quote?, ce:nomenclature?,
                                ce:intro?, ( ce:section | subchapter
                                | exam )+, ( ( ce:bibliography |
                                ce:further-reading )+, ( ce:section |
                                exam )* )? )>
<!ATTLIST  chapter
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ES.xmlns;
           version            CDATA           #FIXED '5.1'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %language;      'en'
           docsubtype         %docsubtype;    #FIXED "chp">
```

Model (Book DTD 5.1.1)

```
<!ELEMENT  chapter            ( info, ce:floats?, ce:label, ce:title,
                                ce:subtitle?, ce:author-group*,
                                ce:displayed-quote?, poem?, outline?,
                                objectives?, ce:nomenclature?,
                                ce:intro?, ( ce:sections | subchapter
                                | exam )+, ( ( ce:bibliography |
                                ce:further-reading )+, ( ce:section |
                                exam )* )? )>
<!ATTLIST  chapter
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ES.xmlns;
           version            CDATA           #FIXED '5.1'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %language;      'en'
           docsubtype         %docsubtype;    #FIXED "chp">
```

Model (Book DTD 5.2.0)

```
<!ELEMENT  chapter            ( ce:footnote*, info, ce:floats?,
                                ce:label, ce:title, ce:subtitle?,
                                ce:author-group*, ce:displayed-
                                quote?, poem?, outline?, objectives?,
                                ce:nomenclature?, ce:acknowledgment?,
                                ce:intro?, ( ce:sections | subchapter
                                | exam )+, ( ( ce:bibliography |
                                ce:further-reading )+, ( ce:section |
                                exam )* )? )>
<!ATTLIST  chapter
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ESBK.xmlns;
           version            CDATA           #FIXED '5.2'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
```

```
        xml:lang                %language;          'en'
        role                    CDATA               #IMPLIED
        docsubtype              %docsubtype;        #FIXED "chp">
```

Model (Book DTD 5.2.1)

```
<!ELEMENT  chapter              ( ce:footnote*, info, ce:floats?,
                                  ce:label?, ce:title, ce:subtitle?,
                                  ce:author-group*, ce:displayed-
                                  quote?, poem?, outline?, objectives?,
                                  ce:nomenclature?, ce:acknowledgment?,
                                  ce:intro?, ( ce:sections | subchapter
                                  | exam )+, ( ( ce:bibliography |
                                  ce:further-reading )+, ( ce:section |
                                  exam )* )? )>
<!ATTLIST  chapter
        id                      ID                  #REQUIRED
        xmlns                   CDATA               #FIXED %ESBK.xmlns;
        version                 CDATA               #FIXED '5.2'
        xmlns:ce                CDATA               #FIXED %ESCE.xmlns;
        xmlns:xlink             CDATA               #FIXED %XLINK.xmlns;
        xml:lang                %language;          'en'
        role                    CDATA               #IMPLIED
        docsubtype              %docsubtype;        #FIXED "chp">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  chapter              ( ce:footnote*, info, ce:floats?,
                                  ce:label?, ce:title, ce:subtitle?,
                                  ce:author-group*, ce:miscellaneous?,
                                  ce:abstract*, ce:keywords*,
                                  ce:displayed-quote?, poem?, out-
                                  line?, objectives?, ce:nomenclature?,
                                  ce:acknowledgment?, ce:intro?,
                                  ( ce:sections | subchapter |
                                  exam )+, ( ( ( ce:bibliography |
                                  ce:further-reading )+ | ce:section |
                                  ce:biography ), ( ce:section | exam |
                                  ce:biography )* )? )>
<!ATTLIST  chapter
        xmlns                   CDATA               #FIXED %ES.xmlns;
        version                 CDATA               #FIXED '5.3'
        xmlns:ce                CDATA               #FIXED %ESCE.xmlns;
        xmlns:xlink             CDATA               #FIXED %XLINK.xmlns;
        xml:lang                %iso639;            'en'
        id                      ID                  #REQUIRED
        role                    CDATA               #IMPLIED
        docsubtype              %docsubtype;        #FIXED "chp">
```

Description

The element chapter is used to capture book chapters as individual XML files.

Usage

The chapter element is used to capture all the material that appears within a book chapter. There is a PUBLIC identifier and a DOCTYPE declaration for chapter, and individual chapter files get called into the book's hub file using the ce:include-item element.

Although the DTD does not restrict where lower-level book doctypes get called into the hub file, the intent is for chapter only to be called into body, not in front or rear.

Content for chapter consists of an optional/repeatable ce:footnote, a required info and the optional ce:floats container. The chapter begins with the (optional) ce:label, containing the name of the chapter ("Chapter 4"), the chapter title, tagged via the ce:title and optional ce:subtitle and optional and repeatable ce:author-group containing authors and their affiliations. Followed by optional ce:miscellaneous, optional/repeatable ce:abstract, and optional/repeatable ce:keywords. The optional subelements ce:displayed-quote, poem, optional/repeatable outline, optional objectives, and optional ce:nomenclature also belong to the "head" of the chapter, followed by an optional ce:acknowledgment. An introduction or summary is contained in the optional ce:intro.

The main body of the chapter consists of a sequence of ce:sections, subchapter and/or exam elements, followed by optional/repeatable ce:bibliography and/or ce:further-reading, possibly followed by more ce:sections and/or exams and/or ce:biographys.

It has an optional role, along with several required attributes:

- id
- xmlns: http://www.elsevier.com/xml/book/dtd
- version: 5.3
- xmlns:ce: http://www.elsevier.com/xml/common/dtd
- xmlns:xlink: http://www.w3.org/1999/xlink
- xml:lang: en (default value)
- docsubtype: chp

XML

```
<!DOCTYPE chapter
  PUBLIC "-//ES//DTD book DTD version 5.3.0//EN//XML"
  "book530.dtd" []>
<chapter id="ch1">
  <info>
    <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
    <ce:isbn>978-0-323-01679-7</ce:isbn>
    <ce:copyright type="full-transfer"
      year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:floats>
    ...
  </ce:floats>
  <ce:label>Chapter 1</ce:label>
  <ce:title>Core Issues in Primary Care</ce:title>
  <ce:author-group>
    ...
  </ce:author-group>
  <ce:intro>
    <ce:para>Text of opening paragraph...</ce:para>
  </ce:intro>
  <ce:sections>
    <ce:section>
      <ce:label>1.1</ce:label>
      <ce:section-title>Summary of Primary Care
        Today</ce:section-title>
      <ce:para>Text of opening paragraph...</ce:para>
```

```
        <ce:para>Text second paragraph...</ce:para>
      </ce:section>
      <ce:section>
        <ce:label>1.2</ce:label>
        <ce:section-title>Core Issues</ce:section-title>
        <ce:para>Text of opening paragraph...</ce:para>
        <ce:para>Text second paragraph...</ce:para>
      </ce:section>
    </ce:sections>
    <ce:bibliography>
      ...
    </ce:bibliography>
  </chapter>
```

Version history

In EHS Books DTD 5.1.1 the occurrence indicator for `ce:author-group` changed from ? to *. Element `examination` was replaced by `exam` and the `docsubtype` attribute was added. Elements `poem`, `outline` and `objectives` were added. Element `ce:section` was changed to `ce:sections` to allow chapters to begin with regular paragraphs.

In Elsevier Book DTD 5.2.0, an optional/repeatable `ce:footnote` was added to the beginning of the content model for `chapter`. The optional attribute `role` was also added.

In Elsevier Book DTD 5.2.1 subelement `ce:label` was made optional.

In Elsevier Book DTD 5.3.0 this release of the DTD added optional `ce:miscellaneous`, optional/repeatable `ce:abstract`, and optional/repeatable `ce:keywords`. The element `ce:biography` was also added to the end of the content model for authors of MRW items.

Light reading

Note that PreCAP chapters should be done using the doctype `simple-chapter`.

cover-image

Declaration

Model (Book DTD 5.2.0–Book DTD 5.3.1)

```
<!ELEMENT  cover-image          ( ce:figure )>
```

Description

The element `cover-image` is used to include cover images for Elsevier books.

Usage

The content for `cover-image` consists of a single `ce:figure`.

XML
```
<cover-image>
  <ce:figure>...</ce:figure>
</cover-image>
```

Version history

This element first appeared in Elsevier Book DTD 5.2.0. It is optional to be backward compatible with earlier versions of the DTD.

dedication

Declaration

Model (Book DTD 5.2.0–Book DTD 5.3.1)
```
<!ELEMENT  dedication           ( ce:simple-para+ )>
```

Description

The element `dedication` is used to tag dedications from book-level authors or editors that often appear in a book's front matter material.

Usage

Content for `dedication` consists of required/repeatable `ce:simple-para`.

XML
```
<dedication>
  <ce:simple-para>There are so many people I must thank for
    the help they provided me in the creation of this
    book...</ce:simple-para>
  <ce:simple-para>And what sort of husband and father would I be if I
    forgot to mention my wonderful wife and children...</ce:simple-para>
</dedication>
```

Version history

This element first appeared in Elsevier Book DTD 5.2.0.

This element should no longer be used after DTD 5.2.0 as dedications are now captured as individual items within `front`. See the CAP guide documentation for detailed guidance.

ehs-book

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  ehs-book              ( info, top, ce:floats?, front, body,
                                    rear )>
<!ATTLIST  ehs-book
           xmlns                 CDATA           #FIXED %ES.xmlns;
           version               CDATA           #FIXED '5.1'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %language;      'en'
           docsubtype            %docsubtype;    #FIXED "ehs">
```

Description

The element `ehs-book` is the top-level element for Elsevier Health Science books. A majority of books should be able to be captured using the content model from this DTD.

Usage

An EHS Books dataset can be used to capture most Elsevier Health Science book publications.

Book content consists of a hub file used to reflect hierarchy in body above chapter, as well as to call all of the lower-level doctypes (e.g. chapter, index) into the book. Contrary to serial publications, where the item and the hub have different DTDs for historical reasons, the hub and items of an EHS book are structured with different top-level elements (doctypes) of the same DTD.

The hub's top-level element is `ehs-book`. It consists of required `info` and `top`, optional `ce:floats` and required `front`, `body`, and `rear` elements.

It has several required attributes:

- `xmlns`: http://www.elsevier.com/xml/ehs-book/dtd
- `version`: 5.1
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink`: http://www.w3.org/1999/xlink
- `xml:lang`: en (default value)
- `docsubtype`: ehs

XML

```
<!DOCTYPE ehs-book
  PUBLIC "-//ES//DTD ehs book DTD version 5.1.1//EN//XML"
  "ehs_book511.dtd" []>
<ehs-book>
 <info>
   ...
 </info>
 <top>
   ...
```

```
        </top>
        <front>
          ...
        </front>
        <body>
          ...
        </body>
        <rear>
          ...
        </rear>
      </ehs-book>
```

Version history

In Elsevier Book DTD 5.2 the new element `top` was added and the attribute `docsubtype`.

This element is superseded by `book` from Book DTD 5.2 onwards.

exam

Declaration

Model (Book DTD 5.1.0–Book DTD 5.2.1)

```
<!ELEMENT  exam                  ( ce:title?, ce:exam-questions,
                                   ce:exam-answers? )>
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  exam                  ( ce:title?, ce:exam-questions,
                                   ce:exam-answers? )>
<!ATTLIST  exam
           id                    ID              #IMPLIED
           role                  CDATA           #IMPLIED>
```

Description

The element exam is used to capture review questions that appear within many different types of books.

Usage

Content for exam consists of an optional ce:title, required ce:exam-questions and optional ce:exam-answers.

It has an optional id and optional role.

XML

```
<exam id="exam1">
  <ce:title>Quiz from Section 1</ce:title>
  <ce:exam-questions>
    <ce:section-title>Questions</ce:section-title>
      <ce:para>...</ce:para>
  </ce:exam-questions>
  <ce:exam-answers>
    <ce:section-title>Answers</ce:section-title>
    <ce:para>...</ce:para>
  </ce:exam-answers>
</exam>
```

Version history

In version 5.3.0 the optional id and role attributes were added.

examination

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  examination        ( info, ce:floats?, ce:label?, ce:title,
                                 ce:author-group*, ce:intro?, exam+ )>
<!ATTLIST  examination
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ES.xmlns;
           version            CDATA           #FIXED '5.1'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %language;      'en'
           docsubtype         %docsubtype;    #FIXED "exm">
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  examination        ( info, ce:floats?, ce:label?, ce:title,
                                 ce:author-group*, ce:intro?, exam* )>
<!ATTLIST  examination
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ESBK.xmlns;
           version            CDATA           #FIXED '5.2'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %language;      'en'
           role               CDATA           #IMPLIED
           docsubtype         %docsubtype;    #FIXED "exm">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  examination        ( info, ce:floats?, ce:label?, ce:title,
                                 ce:author-group*, ce:intro?, exam* )>
<!ATTLIST  examination
           xmlns              CDATA           #FIXED %ES.xmlns;
           version            CDATA           #FIXED '5.3'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %iso639;        'en'
           id                 ID              #REQUIRED
           role               CDATA           #IMPLIED
           docsubtype         %docsubtype;    #FIXED "exm">
```

Description

The element examination is used to capture review questions that appear as their own item within many different types of books.

Usage

The examination element is one of the top-level elements (doctypes) of the Books DTD. It is used to capture a series of review questions when they appear as a separate item in their own XML file, using the examination DOCTYPE and PUBLIC identifier, and is called into the central hub file for the book using the ce:include-item element.

The content for `examination` consists of required `info`, optional `ce:floats`, optional `ce:label`, followed by required `ce:title`, optional/repeatable `ce:author-group`, optional `ce:intro`, followed by required/repeatable `exam`.

It has an optional `role`, along with several required attributes:

- `id`
- `xmlns`: http://www.elsevier.com/xml/book/dtd
- `version`: 5.3
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink`: http://www.w3.org/1999/xlink
- `xml:lang`: en (default value)
- `docsubtype`: exm

XML

```xml
<!DOCTYPE examination PUBLIC "-//ES//DTD book DTD
  version 5.3.0//EN//XML" "book530.dtd" []>
<examination id="exm1" docsubtype="exm">
  <info>
    <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
    <ce:isbn>978-0-323-01679-7</ce:isbn>
    <ce:copyright type="full-transfer"
      year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:floats>
    ...
  </ce:floats>
  <ce:label>Unit 1</ce:label>
  <ce:title>Core Issues in Primary Care</ce:title>
  <ce:author-group>
    ...
  </ce:author-group>
  <ce:intro>
    <ce:para>Text of opening paragraph...</ce:para>
  </ce:intro>
  <exam>
    <ce:title>Section 1</ce:title>
    <ce:exam-questions>
      <ce:section-title>Questions</ce:section-title>
      <ce:para>...</ce:para>
    </ce:exam-questions>
    <ce:exam-answers>
      <ce:section-title>Answers</ce:section-title>
      <ce:para>...</ce:para>
    </ce:exam-answers>
  </exam>
  <exam>
    <ce:title>Section 2</ce:title>
    <ce:exam-questions>
      <ce:section-title>Questions</ce:section-title>
      <ce:para>...</ce:para>
    </ce:exam-questions>
    <ce:exam-answers>
      <ce:section-title>Answers</ce:section-title>
      <ce:para>...</ce:para>
```

```
            </ce:exam-answers>
        </exam>
    </examination>
```

Version history

In Elsevier Book DTD 5.2.0 the optional attribute `role` was added and subelement `exam` became optional.

fb-non-chapter

Declaration

Model (Book DTD 5.1.0)

```
<!ELEMENT  fb-non-chapter       ( info, ce:floats?, ce:label?,
                                  ce:title, ( ce:author-group
                                  | ce:nomenclature | ce:para |
                                  ce:section )*, ce:bibliography? )>
<!ATTLIST  fb-non-chapter
           id                   ID              #REQUIRED
           xmlns                CDATA           #FIXED %ES.xmlns;
           version              CDATA           #FIXED '5.1'
           xmlns:ce             CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink          CDATA           #FIXED %XLINK.xmlns;
           xml:lang             %language;      'en'
           docsubtype           %docsubtype;    #REQUIRED>
```

Model (Book DTD 5.1.1)

```
<!ELEMENT  fb-non-chapter       ( info, ce:floats?, ce:label?,
                                  ce:title, ( ce:author-group
                                  | ce:nomenclature | ce:para |
                                  ce:section )*, ce:bibliography? ,
                                  ce:further-reading? )>
<!ATTLIST  fb-non-chapter
           id                   ID              #REQUIRED
           xmlns                CDATA           #FIXED %ES.xmlns;
           version              CDATA           #FIXED '5.1'
           xmlns:ce             CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink          CDATA           #FIXED %XLINK.xmlns;
           xml:lang             %language;      'en'
           docsubtype           %docsubtype;    #REQUIRED>
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  fb-non-chapter       ( info, ce:floats?, ce:label?,
                                  ce:title, ( ce:author-group
                                  | ce:nomenclature | ce:para |
                                  ce:section )*, ce:bibliography? ,
                                  ce:further-reading? )>
<!ATTLIST  fb-non-chapter
           id                   ID              #REQUIRED
           xmlns                CDATA           #FIXED %ESBK.xmlns;
           version              CDATA           #FIXED '5.2'
           xmlns:ce             CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink          CDATA           #FIXED %XLINK.xmlns;
           xml:lang             %language;      'en'
           role                 CDATA           #IMPLIED
           docsubtype           %docsubtype;    #REQUIRED>
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  fb-non-chapter       ( info, ce:floats?, ce:label?,
                                  ce:title, ( ce:author-group
                                  | ce:nomenclature | ce:para |
                                  ce:section )*, ce:bibliography? ,
                                  ce:further-reading? )>
```

```
<!ATTLIST  fb-non-chapter
        xmlns                CDATA           #FIXED %ES.xmlns;
        version              CDATA           #FIXED '5.3'
        xmlns:ce             CDATA           #FIXED %ESCE.xmlns;
        xmlns:xlink          CDATA           #FIXED %XLINK.xmlns;
        xml:lang             %iso639;        'en'
        id                   ID              #REQUIRED
        role                 CDATA           #IMPLIED
        docsubtype           %docsubtype;    #REQUIRED>
```

Description

The element `fb-non-chapter` is used to capture special front and back matter non-chapter divisions as individual XML files.

Usage

The `fb-non-chapter` top-level element is used to capture material that appears in items that occur within the front (such as foreword, preface, about the author, etc.) and back matter (such as appendices) of books. The element should not be used to capture chapters within the book body.

There is a PUBLIC identifier and DOCTYPE declaration for `fb-non-chapter`, and individual XML files get called into the front and rear of the book's central hub file using the `ce:include-item` element.

A `docsubtype` attribute is required. The possible values for this attribute include:

- `app`: Appendix
- `bio`: Biography or About the Author
- `for`: Foreword
- `pre`: Preface
- `ack`: Acknowledgments
- `ctr`: Contributors
- `rev`: Reviewers
- `htu`: How to Use this Publication
- `ded`: Dedication
- `cop`: Copyright
- `ret`: Retraction
- `ovw`: Overview

Other values should not be used with `fb-non-chapter`.

The content of `fb-non-chapter` consists of a required `info`, optional `ce:floats`, an optional `ce:label`, an `ce:title`, followed by optional and repeatable group of `ce:author-group` `ce:nomenclature` and/or `ce:para` and/or `ce:sections` (the order is the order as these appear in the book) followed by an optional `ce:bibliography`, followed by optional `ce:further-reading`.

It has an optional `role`, along with several required attributes:

- `id`
- `xmlns`: http://www.elsevier.com/xml/book/dtd
- `version`: 5.3
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd

- **xmlns:xlink**: http://www.w3.org/1999/xlink
- **xml:lang**: en (default value)
- **docsubtype**

XML

```
<!DOCTYPE fb-non-chapter
  PUBLIC "-//ES//DTD book DTD version 5.3.0//EN//XML"
  "book530.dtd" []>
<fb-non-chapter docsubtype="app" id="appA">
  <info>
    <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
    <ce:isbn>978-0-323-01679-7</ce:isbn>
    <ce:copyright type="full-transfer"
      year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:floats>
    ...
  </ce:floats>
  <ce:label>Appendix A</ce:label>
  <ce:title>Color Plates</ce:title>
  <ce:author-group>
    ...
  </ce:author-group>
  <ce:para>Text of opening paragraph...</ce:para>
  <ce:section>
    <ce:section-title>...</ce:section-title>
    <ce:para>...</ce:para>
  </ce:section>
  <ce:bibliography>
    ...
  </ce:bibliography>
</fb-non-chapter>
```

Version history

Element `ce:further-reading` was added in EHS Books DTD 5.1.1 to allow for unnumbered references.

In Elsevier Book DTD 5.2.0 the optional attribute `role` was added.

In a patch to Elsevier Book DTD 5.2.0 the docsubtype ded was added.

In Elsevier Book DTD 5.3.1 the docsubtypes ret and ovw were added.

Light reading

In a PreCAP delivery where the files are structured according to the Elsevier Book DTD 5.2.0, an `fb-non-chapter` DOCTYPE is delivered with weight UltraLight.

front

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  front                  ( ce:include-item )+>
```

Model (Book DTD 5.2.0–Book DTD 5.3.1)

```
<!ELEMENT  front                  ( ce:include-item+ )>
```

Description

The element `front` is used to capture the front matter of Elsevier books.

Usage

The `front` element is used to delimit and capture the front matter material in Elsevier books. It consists of required and repeatable `ce:include-item` elements. The element `front`, child of `book`, appears in the hub file for the book.

- The table of contents will be only be delivered as part of the "fat" PDF file for printing. An electronic version of the table of contents is replicated by the hub file and could be used by downstream applications for this purpose.
- The list of contributing authors (`docsubtype`: ctr) and/or reviewers (`docsubtype`: rev) should each be converted as a separate `fb-non-chapter` file and called into `front` using `ce:include-item` elements.
- Foreword (`docsubtype`: for), Preface (`docsubtype`: pre), Acknowledgments (`docsubtype`: ack), and Biography (`docsubtype`: bio), should also be converted as separate `fb-non-chapter` files and called into `front` using `ce:include-item` elements.

XML

```
<front>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10027-7</ce:pii>
    <ce:title>Contributors</ce:title>
    <ce:pages>
      <ce:first-page>v</ce:first-page>
      <ce:last-page>vii</ce:last-page>
    </ce:pages>
  </ce:include-item>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10001-0</ce:pii>
    <ce:title>Reviewers</ce:title>
    <ce:pages>
      <ce:first-page>viii</ce:first-page>
      <ce:last-page>viii</ce:last-page>
    </ce:pages>
  </ce:include-item>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10002-2</ce:pii>
    <ce:title>Preface</ce:title>
```

```
      <ce:pages>
        <ce:first-page>ix</ce:first-page>
        <ce:last-page>x</ce:last-page>
      </ce:pages>
   </ce:include-item>
   <ce:include-item>
      <ce:pii>B0-323-01679-0/10003-4</ce:pii>
      <ce:title>Acknowledgments</ce:title>
      <ce:pages>
        <ce:first-page>xi</ce:first-page>
        <ce:last-page>xi</ce:last-page>
      </ce:pages>
   </ce:include-item>
</front>
```

glossary

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  glossary              ( info, ce:glossary+ )>
<!ATTLIST  glossary
           id                    ID              #REQUIRED
           xmlns                 CDATA           #FIXED %ES.xmlns;
           version               CDATA           #FIXED '5.1'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %language;      'en'
           docsubtype            %docsubtype;    #FIXED "gls">
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  glossary              ( info, ce:label?, ce:glossary* )>
<!ATTLIST  glossary
           id                    ID              #REQUIRED
           xmlns                 CDATA           #FIXED %ESBK.xmlns;
           version               CDATA           #FIXED '5.2'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %language;      'en'
           role                  CDATA           #IMPLIED
           docsubtype            %docsubtype;    #FIXED "gls">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  glossary              ( info, ce:label?, ce:title?,
                                   ce:glossary* )>
<!ATTLIST  glossary
           xmlns                 CDATA           #FIXED %ES.xmlns;
           version               CDATA           #FIXED '5.3'
           xmlns:ce              CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink           CDATA           #FIXED %XLINK.xmlns;
           xml:lang              %iso639;        'en'
           id                    ID              #REQUIRED
           role                  CDATA           #IMPLIED
           docsubtype            %docsubtype;    #FIXED "gls">
```

Description

The element glossary is used to capture glossaries of special terms that can appear in a book's back matter.

Usage

The glossary element is used to capture a glossary of special terms when they appear in the back matter of a book. When used, glossary will always appear as a top-level element, with its own DOCTYPE declaration and PUBLIC identifier appearing at the top of the XML file. A glossary gets called into the book's hub file by a ce:include-item element.

Content for glossary consists of required `info`, followed by optional `ce:label`, optional `ce:title`, then optional/repeatable `ce:glossary`, followed by optional/repeatable `ce:bibliography` and/or `ce:further-reading`.

It has an optional `role`, along with several required attributes:

- `id`
- `xmlns`: http://www.elsevier.com/xml/book/dtd
- `version`: 5.3
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink`: http://www.w3.org/1999/xlink
- `xml:lang`: en (default value)
- `docsubtype`: gls

XML

```
<!DOCTYPE glossary
  PUBLIC "-//ES//DTD book DTD version 5.3.0//EN//XML"
  "book530.dtd" []>
<glossary id="gloss" docsubtype="gls">
  <info>
    <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
    <ce:isbn>978-0-323-01679-7</ce:isbn>
    <ce:copyright type="full-transfer"
      year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:title>Glossary</ce:title>
  <ce:glossary>
    <glossary-sec>
      <ce:section-title>A</ce:section-title>
      <ce:glossary-entry>
        <ce:glossary-heading>aardvark</ce:glossary-heading>
        <ce:glossary-def>An unusual-looking, long-nosed creature
          that eats ants.</ce:glossary-def>
      </ce:glossary-entry>
      ...
    </glossary-sec>
  </ce:glossary>
</glossary>
```

Version history

In Elsevier Book DTD 5.2.0 the optional attribute `role` and optional subelement `ce:label` were added. Subelement `ce:glossary` was made optional/repeatable to allow for Ultra-light delivery of book backfile projects.

In the Elsevier Book DTD 5.3.0 the `ce:title` was added to allow for proper title tagging in synch with other DOCTYPES.

The `ce:section-title` element, child of `ce:glossary` should no longer be used for Glossary item titles.

index

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  index              ( info, ce:index+ )>
<!ATTLIST  index
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ES.xmlns;
           version            CDATA           #FIXED '5.1'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %language;      'en'
           docsubtype         %docsubtype;    #FIXED "idx">
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  index              ( info, ce:label?, ce:index* )>
<!ATTLIST  index
           id                 ID              #REQUIRED
           xmlns              CDATA           #FIXED %ESBK.xmlns;
           version            CDATA           #FIXED '5.2'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %language;      'en'
           role               CDATA           #IMPLIED
           docsubtype         %docsubtype;    #FIXED "idx">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  index              ( info, ce:label?, ce:title?,
                                ce:index* )>
<!ATTLIST  index
           xmlns              CDATA           #FIXED %ES.xmlns;
           version            CDATA           #FIXED '5.3'
           xmlns:ce           CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink        CDATA           #FIXED %XLINK.xmlns;
           xml:lang           %iso639;        'en'
           id                 ID              #REQUIRED
           role               CDATA           #IMPLIED
           docsubtype         %docsubtype;    #FIXED "idx">
```

Description

The element index is used to tag indices of terms which usually appear in a book's back matter.

Usage

The index element will always appear as a top-level element, with its own DOCTYPE declaration and PUBLIC identifier appearing at the top of the XML file. An index gets called into the book's hub file by a ce:include-item element.

Content for index consists of required info, followed by optional ce:label, optional ce:title, followed by optional/repeatable ce:index elements, followed by optional/repeatable ce:bibliography and/or ce:further-reading elements.

Multiple indices (e.g. Subject Index, Author Index, etc.) should be handled as separate `index` files, called into the book's hub file with separate `ce:include-item` elements. Role value `subject` should be used to differentiate the subject index from any other indices.

Each `index` should be organized according to the following conventions:

- One `ce:index` element which encapsulates the complete index.
- Each `ce:index` element would contain multiple `ce:index-sec` elements, one for each letter of the alphabet.
- If the terms are separated by alphas that appear in the hardcopy, the `ce:section-title`, child of `ce:index-sec`, should contain the letter of the alphabet for each index section.

Due to their large size, it is envisioned that large index files will be developed in smaller pieces at book typesetters, then combined into a single, large file prior to delivery.

It is quite common in hardcopy book indices, in an effort to save space (and paper) that the first second-level index term appears on the same line as its parent primary index term. Therefore, this needs to be tagged as in the following example (where `ce:index-heading`, etc., have been left out for clarity):

> Swallowing, assessment of
>   pediatric variations in

Great care must be taken to ensure that such situations are tagged properly in the following manner:

XML
```
<ce:index-entry id="idx824">Swallowing
  <ce:index-entry id="idx825a">assessment of</ce:index-entry>
  <ce:index-entry id="idx825b">pediatric variations in</ce:index-entry>
</ce:index-entry>
```

It has an optional `role`, along with several required attributes:

- `id`
- `xmlns`: http://www.elsevier.com/xml/book/dtd
- `version`: 5.3
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink`: http://www.w3.org/1999/xlink
- `xml:lang`: en (default value)
- `docsubtype`: idx

XML
```
<!DOCTYPE index PUBLIC "-//ES//DTD book DTD
  version 5.3.0//EN//XML" "book530.dtd" []>
<index docsubtype="idx" id="index" role="subject">
  <info>
    <ce:pii>B978-0-7216-9204-3.00001-6</ce:pii>
    <ce:isbn>978-0-7216-9204-3</ce:isbn>
    <ce:copyright tpe="full-transfer"
      year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:title>Index</ce:title>
  <ce:index>
    <ce:index-sec>
      <ce:section-title>A</ce:section-title>
      <ce:index-entry>
```

```
            <ce:index-heading>aardvark</ce:index-heading>
            <ce:intra-ref href="...">1</ce:intra-ref>
         </ce:index-entry>
         <ce:index-entry>
            ...
         </ce:index-entry>
         ...
      </ce:index-sec>
   </ce:index>
</index>
```

Version history

In Elsevier Book DTD 5.2.0 the optional attribute `role` and optional subelement `ce:label` were added. Subelement `ce:index` was made optional/repeatable to allow for Ultralight delivery of book backfile projects.

In Elsevier Book DTD 5.3.0 the `ce:title` was also added to allow for proper title and tagging in synch with other DOCTYPES.

info

Declaration

Model (Book DTD 5.1.0–Book DTD 5.3.1)

```
<!ELEMENT  info                    ( ce:pii, ce:doi?, ce:isbn, ce:issn?,
                                     ce:document-thread?, ce:copyright,
                                     ce:imprint?, ce:doctopics? )>
```

Description

The element `info` is a placeholder element for book-level metadata elements.

Usage

The info element contains book-project level metadata for the book item and hub. It duplicates a few items from the metadata transport scheme, but only enough to confirm that the book item and book project match. It contains the metadata of all top-level elements of the Books DTD: `book`, `introduction`, `chapter`, `simple-chapter`, `examination`, `fb-non-chapter`, `glossary`, `bibliography`, and `index`.

Content for the `info` element consists of required `ce:pii`, optional `ce:doi`, required `ce:isbn`, optional `ce:issn`, optional `ce:document-thread`, optional `ce:copyright`, optional `ce:imprint`, and optional `ce:doctopics`.

XML

```
<info>
  <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
  <ce:isbn>978-0-323-01679-7</ce:isbn>
  <ce:copyright type="full-transfer"
    year="2003">Elsevier Inc.</ce:copyright>
</info>
```

introduction

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  introduction        ( info, ce:floats?, ce:title?,
                                   ce:author-group*, ce:sections,
                                   ce:bibliography* )>
<!ATTLIST  introduction
           id                  ID              #REQUIRED
           xmlns               CDATA           #FIXED %ES.xmlns;
           version             CDATA           #FIXED '5.1'
           xmlns:ce            CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink         CDATA           #FIXED %XLINK.xmlns;
           xml:lang            %language;      'en'
           docsubtype          %docsubtype;    #FIXED "itr">
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  introduction        ( info, ce:floats?, ce:title,
                                   ce:author-group*, ce:sections?,
                                   ( ce:bibliography | ce:further-
                                   reading )* )>
<!ATTLIST  introduction
           id                  ID              #REQUIRED
           xmlns               CDATA           #FIXED %ESBK.xmlns;
           version             CDATA           #FIXED '5.2'
           xmlns:ce            CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink         CDATA           #FIXED %XLINK.xmlns;
           xml:lang            %language;      'en'
           role                CDATA           #IMPLIED
           docsubtype          %docsubtype;    #FIXED "itr">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  introduction        ( info, ce:floats?, ce:title,
                                   ce:author-group*, ce:sections?,
                                   ( ce:bibliography | ce:further-
                                   reading )* )>
<!ATTLIST  introduction
           xmlns               CDATA           #FIXED %ES.xmlns;
           version             CDATA           #FIXED '5.3'
           xmlns:ce            CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink         CDATA           #FIXED %XLINK.xmlns;
           xml:lang            %iso639;        'en'
           id                  ID              #REQUIRED
           role                CDATA           #IMPLIED
           docsubtype          %docsubtype;    #FIXED "itr">
```

Description

The element introduction is used to capture introductory material which often appears
at the beginning of parts or sections used to divide/introduce chapters by topic within the
body of a book.

Usage

Since `part`s and/or `section`s often contain their own introductory material, the top-level `introduction` element is needed to properly capture this content. It gets called into the book's hub file using the `ce:include-item`.

The introduction element consists of optional `ce:floats`, required `ce:title`, an optional/repeatable `ce:author-group`, followed by optional `ce:sections`, followed by optional/repeatable `ce:bibliography`s and/or `ce:further-reading`s.

It has an optional `role`, along with several required attributes:

- `id`
- `xmlns`: http://www.elsevier.com/xml/book/dtd
- `version`: 5.3
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink`: http://www.w3.org/1999/xlink
- `xml:lang`: en (default value)
- `docsubtype`: itr

XML

```
<!DOCTYPE introduction
  PUBLIC "-//ES//DTD book DTD version 5.3.0//EN//XML"
  "book530.dtd" []>
<introduction id="part1-intro" docsubtype="itr">
  <info>
    <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
    <ce:isbn>978-0-323-01679-7</ce:isbn>
    <ce:copyright type="full-transfer"
      year="2003">Mosby, Inc.</ce:copyright>
  </info>
  <ce:floats>
    ...
  </ce:floats>
  <ce:title>Introduction</ce:title>
  <ce:author-group>
    ...
  </ce:author-group>
  <ce:sections>
    <ce:para>Paragraph of introductory
      text for part or section.</ce:para>
  </ce:sections>
</introduction>
```

Version history

For Elsevier Book DTD 5.2.0, the subelement `ce:sections` was made optional to allow for PreCAP deliveries. The subelement `ce:further-reading` was also added for items without linked references.

line

Declaration

Model (Book DTD 5.1.1–Book DTD 5.3.1)
```
<!ELEMENT  line                    ( %richstring.data; )*>
```

Description

The element `line` is used to capture a line of text from a poem.

Usage

Content for line consists of `line`.

XML
```
<line>Roses are red</line>
```

Version history

This element first appeared in EHS Books DTD 5.1.1.

See also

See also elements `poem` and `stanza`.

objectives

Declaration

Model (Book DTD 5.1.1–Book DTD 5.3.1)

```
<!ELEMENT  objectives            ( ce:section-title?, ce:para+ )>
```

Description

The element `objectives` is used to capture the objectives of a chapter. This information often appears at the beginning of a book chapter.

Usage

Content for objectives consists of an optional `ce:section-title`, and required/repeatable `ce:para`.

XML

```
<objectives>
  <ce:section-title>Objectives</ce:section-title>
  <ce:para>The objectives for this chapter are for the student to ....</ce:para>
</objectives>
```

Version history

This element first appeared in EHS Books DTD 5.1.1.

outline

Declaration

Model (Book DTD 5.1.1–Book DTD 5.3.1)

```
<!ELEMENT  outline              ( ce:list )>
```

Description

The element `outline` is used to capture the outline of a chapter. This material often appears at the beginning of a book chapter.

Usage

Content for outline consists of a required `ce:list`.

XML

```
<outline>
  <ce:list>
    <ce:section-title>Chapter Outline</ce:section-title>
    <ce:list-item><ce:para>Introduction</ce:para></ce:list-item>
    <ce:list-item><ce:para>Background</ce:para></ce:list-item>
    ...
  </ce:list>
</outline>
```

Version history

This element first appeared in EHS Books DTD 5.1.1.

part

Declaration

Model (Book DTD 5.1.0)

```
<!ELEMENT  part            ( ce:label, ce:title?, ce:author-group*,
                             introduction?, ( section | ce:include-
                             item | ce:bibliography )+ )>
<!ATTLIST  part
           id              ID              #REQUIRED>
```

Model (Book DTD 5.1.1)

```
<!ELEMENT  part            ( ce:label, ce:title?, ce:author-
                             group*, ( section | ce:include-item |
                             ce:further-reading )+ )>
<!ATTLIST  part
           id              ID              #REQUIRED>
```

Model (Book DTD 5.2.0)

```
<!ELEMENT  part            ( ce:label, ce:title?, ce:author-
                             group*, ( section | ce:include-item |
                             ce:further-reading )+ )>
<!ATTLIST  part
           id              ID              #REQUIRED
           role            CDATA           #IMPLIED>
```

Model (Book DTD 5.2.1)

```
<!ELEMENT  part            ( ce:label?, ce:title?, ce:author-
                             group*, ( section | ce:include-item |
                             ce:further-reading )+ )>
<!ATTLIST  part
           id              ID              #REQUIRED
           role            CDATA           #IMPLIED>
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  part            ( ce:label?, ce:title?, ce:author-
                             group*, ( part | section | ce:include-
                             item | ce:further-reading )+ )>
<!ATTLIST  part
           id              ID              #REQUIRED
           role            CDATA           #IMPLIED>
```

Description

The element part is used to capture the hierarchy above chapter and/or section when they occur within an Elsevier book.

Usage

The element part is a child of body and of volume. It is used when a large book is divided into parts in order to organize sections and/or chapters into groups. The element part appears in the hub file for the book.

The part elements can sometimes have their own introductions. These should be tagged as introduction and called into the hub file using ce:include-item.

In very rare cases, `part` elements can sometimes have their own bibliography. These should be tagged as `bibliography` and called into the hub file using `ce:include-item`.

The part element consists of an optional `ce:label`, followed by an optional `ce:title`, an optional/repeatable `ce:author-group`, then a required and repeatable grouping of `part`s, `section`s and/or `ce:include-item`s and/or `ce:further-reading`.

It has one required attribute, `id` and one optional attribute, `role`.

XML

```
<part id="pA"><ce:label>Part A</ce:label>
  <ce:title>GENERAL ISSUES AND APPROACH TO DISEASE
    IN PRIMARY CARE MEDICINE</title>
  <ce:include-item>
     <ce:pii>B0-323-01679-0/10027-7</ce:pii>
     <ce:title>Introduction</ce:title>
     <ce:pages>
        <ce:first-page>1</ce:first-page>
        <ce:last-page>8</ce:last-page>
     </ce:pages>
  </ce:include-item>
  <section id="s1"><ce:label>Section 1</ce:label>
     <ce:title>Core Issues and Special Groups
       in Primary Care</ce:title>
     <ce:include-item>
       <ce:pii>B0-323-01679-0/10003-4</ce:pii>
       <ce:title>Core Issues in Primary Care</ce:title>
       <ce:pages>
          <ce:first-page>9</ce:first-page>
          <ce:last-page>18</ce:last-page>
       </ce:pages>
     </ce:include-item>
     ...
  </section>
  ...
</part>
```

Version history

Element `introduction` is a top-level element in EHS Books DTD 5.1.0. Since all top-level items are called into the book hub file with `ce:include-item`, subelement `introduction` was removed in EHS Books DTD 5.1.1. Subelement `ce:bibliography` was replaced by `ce:further-reading`.

In Elsevier Book DTD 5.2.0 the optional attribute `role` was added.

In Elsevier Book DTD 5.2.1 subelement `ce:label` was made optional.

In the Elsevier Book DTD 5.3.0 parts were allowed to recurse (part, child of part) to be able to properly handle MRWs.

Known bugs, hacks and problems

The `ce:further-reading` is deprecated and should no longer be used. It remains to allow for backward compatibility with earlier versions.

poem

Declaration

Model (Book DTD 5.1.1–Book DTD 5.2.1)

```
<!ELEMENT  poem                    ( ce:title?, ce:author?, stanza+,
                                     ce:source? )>
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  poem                    ( ce:title?, ce:author?, stanza+,
                                     ce:source? )>
<!ATTLIST  poem
           id                      ID              #IMPLIED>
```

Description

The element poem is used to capture poetry that sometimes appear at the beginning of some book chapters.

Usage

Content for poem consists of an optional ce:title, optional ce:author, required/repeatable stanza and optional ce:source.

It has an optional id.

XML

```
<poem>
  <ce:title>Roses are Red</ce:title>
  <stanza>
    <line>Roses are red</line>
    <line>violets are blue</line>
    ...
  </stanza>
</poem>
```

Version history

This element first appeared in EHS Book DTD 5.1.1.

In the Elsevier Book DTD 5.3.0 the optional id attribute was added.

See also

See also elements stanza and line.

rear

Declaration

Model (Book DTD 5.1.0–Book DTD 5.3.1)

```
<!ELEMENT  rear                    ( rearpart+ )>
```

Description

The element rear is used to capture all of the material that appears in the back matter of
Elsevier books.

Usage

The rear element is used to delimit and capture the material that appears in the back matter
of Elsevier books. It is used in the book's hub file and consists of required and repeatable
rearparts.

Lower-level doctypes — glossary, bibliography, index, and fb-non-chapter (ap-
pendices) — within the rear get called in using ce:include-item elements.

Although the DTD does not restrict where lower-level book doctypes get called into the
hub file, doctypes other than those listed above should not be called into rear.

XML

```xml
<rear>
  <rearpart id="rearpart1">
    <ce:title>Appendices</ce:title>
    <ce:include-item>
      <ce:pii>B0-323-01679-0/10027-7</ce:pii>
      <ce:title>Appendix A</ce:title>
      <ce:pages>
        <ce:first-page>1000</ce:first-page>
        <ce:last-page>1001</ce:last-page>
      </ce:pages>
    </ce:include-item>
    <ce:include-item>
      <ce:pii>B0-323-01679-0/10001-0</ce:pii>
      <ce:title>Appendix B</ce:title>
      <ce:pages>
        <ce:first-page>1002</ce:first-page>
        <ce:last-page>1003</ce:last-page>
      </ce:pages>
    </ce:include-item>
  </rearpart>
  <rearpart id="rearpart2">
    <ce:include-item>
      <ce:pii>B0-323-01679-0/10002-2</ce:pii>
      <ce:title>Glossary</ce:title>
      <ce:pages>
        <ce:first-page>1004</ce:first-page>
        <ce:last-page>1020</ce:last-page>
      </ce:pages>
```

```
        </ce:include-item>
        <ce:include-item>
          <ce:pii>B0-323-01679-0/10003-4</ce:pii>
          <ce:title>Index</ce:title>
          <ce:pages>
            <ce:first-page>1021</ce:first-page>
            <ce:last-page>1099</ce:last-page>
          </ce:pages>
        </ce:include-item>
      </rearpart>
    </rear>
```

rearpart

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  rearpart              ( ce:label?, ce:title?, ce:include-
                                     item+ )>
<!ATTLIST  rearpart
           id                    ID              #REQUIRED>
```

Model (Book DTD 5.2.0–Book DTD 5.3.1)

```
<!ELEMENT  rearpart              ( ce:label?, ce:title?, ce:author-
                                     group*, ce:include-item+ )>
<!ATTLIST  rearpart
           id                    ID              #REQUIRED
           role                  CDATA           #IMPLIED>
```

Description

The element rearpart is used to provide organizational divisions to material (usually appendices) that appears in the back matter of Elsevier books.

Usage

The rearpart element is usually used to give named or numbered divisions to material that appears within the back matter of Elsevier Health Science books, usually appendices. If the rear is not divided into parts, then there will only be one rearpart. The element appears in the book's hub file.

It consists of an optional ce:label, optional ce:title, an optional/repeatable ce:author-group, then one or more ce:include-items.

It has one required attribute, id and one optional attribute, role.

XML

```
<rearpart id="rearpart1">
  <ce:label>I</ce:label>
  <ce:title>Graphical Appendices</ce:title>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10027-7</ce:pii>
    <ce:title>Appendix A</ce:title>
    <ce:pages>
      <ce:first-page>1000</ce:first-page>
      <ce:last-page>1001</ce:last-page>
    </ce:pages>
  </ce:include-item>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10001-0</ce:pii>
    <ce:title>Appendix B</ce:title>
    <ce:pages>
      <ce:first-page>1002</ce:first-page>
      <ce:last-page>1003</ce:last-page>
    </ce:pages>
  </ce:include-item>
```

```
  </rearpart>
  <rearpart id="rearpart2">
    <ce:title>Tabular Appendices</ce:title>
    <ce:include-item>
      <ce:pii>B0-323-01679-0/10002-2</ce:pii>
      <ce:title>Appendix C</ce:title>
      <ce:pages>
        <ce:first-page>1004</ce:first-page>
        <ce:last-page>1005</ce:last-page>
      </ce:pages>
    </ce:include-item>
    <ce:include-item>
      <ce:pii>B0-323-01679-0/10003-4</ce:pii>
      <ce:title>Appendix D</ce:title>
      <ce:pages>
        <ce:first-page>1006</ce:first-page>
        <ce:last-page>1007</ce:last-page>
      </ce:pages>
    </ce:include-item>
  </rearpart>
```

Version history

The optional/repeatable subelement `ce:author-group` and optional attribute `role` were both added in Elsevier Book DTD 5.2.0.

section

Declaration

Model (Book DTD 5.1.0)

```
<!ELEMENT  section          ( ce:label, ce:title?, ce:author-group*,
                              introduction?, ( ce:include-item |
                              ce:bibliography )+ )>
<!ATTLIST  section
           id                ID              #REQUIRED>
```

Model (Book DTD 5.1.1)

```
<!ELEMENT  section          ( ce:label, ce:title?, ce:author-group*,
                              ( ce:include-item | ce:further-
                              reading )+ )>
<!ATTLIST  section
           id                ID              #REQUIRED>
```

Model (Book DTD 5.2.0)

```
<!ELEMENT  section          ( ce:label, ce:title?, ce:author-group*,
                              ( ce:include-item | ce:further-
                              reading )+ )>
<!ATTLIST  section
           id                ID              #REQUIRED
           role              CDATA           #IMPLIED>
```

Model (Book DTD 5.2.1–Book DTD 5.3.1)

```
<!ELEMENT  section          ( ce:label?, ce:title?, ce:author-
                              group*, ( ce:include-item |
                              ce:further-reading )+ )>
<!ATTLIST  section
           id                ID              #REQUIRED
           role              CDATA           #IMPLIED>
```

Description

The element section is used to capture the hierarchy above chapter if/when they occur within Elsevier books.

Usage

A section is used in large books to organize ce:include-items (chapters or examinations) into groups. It is a child of body and volume and/or part should not be confused with the common element ce:section that is used for subdivisions within items such as chapters.

A section can sometimes have its own introduction. These should be tagged as introduction and called into the hub file using ce:include-item.

In very rare cases, section elements can sometimes have their own bibliography. These should be tagged as bibliography and called into the hub file using ce:include-item.

The section element consists of an optional ce:label, optional ce:title, an optional/repeatable ce:author-group, then one or more groupings of ce:include-items and/or ce:sections and/or ce:further-reading.

It has one required attribute, id and one optional attribute, role.

XML

```
<section id="s1"><ce:label>Section 1</ce:label>
  <ce:title>Core Issues and Special Groups
    in Primary Care</ce:title>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10003-4</ce:pii>
    <ce:title>Core Issues in Primary Care</ce:title>
    <ce:pages>
      <ce:first-page>1</ce:first-page>
      <ce:last-page>8</ce:last-page>
    </ce:pages>
  </ce:include-item>
  <ce:include-item>
    <ce:pii>B0-323-01679-0/10027-7</ce:pii>
    <ce:title>Special Groups in Primary Care</ce:title>
    <ce:pages>
      <ce:first-page>9</ce:first-page>
      <ce:last-page>18</ce:last-page>
    </ce:pages>
  </ce:include-item>
  ...
</section>
```

Version history

Element `introduction` is a top-level element in EHS Books DTD 5.1.0. Since all top-level items are called into the book hub file with `ce:include-item`, subelement `introduction` was removed. Subelement `ce:bibliography` was replaced by `ce:further-reading`.

In Elsevier Book DTD 5.2.0 the optional attribute `role` was added.

In Elsevier Book DTD 5.2.1 subelement `ce:label` was made optional.

Known bugs, hacks and problems

The `ce:further-reading` is deprecated and should no longer be used. It remains to allow for backward compatibility with earlier versions.

simple-chapter

Declaration

Model (Book DTD 5.2.0)

```
<!ELEMENT  simple-chapter       ( ce:footnote*, info, ce:floats?,
                                  ce:label, ce:title, ce:subtitle?,
                                  ce:author-group*, ce:displayed-
                                  quote?, poem?, outline?, objectives?,
                                  ce:nomenclature?, ce:acknowledgment?,
                                  ce:intro?, ( ce:sections | subchapter
                                  | exam )*, ( ( ce:bibliography |
                                  ce:further-reading )+, ( ce:section |
                                  exam )* )? )>
<!ATTLIST  simple-chapter
           id                   ID              #REQUIRED
           xmlns                CDATA           #FIXED %ESBK.xmlns;
           version              CDATA           #FIXED '5.2'
           xmlns:ce             CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink          CDATA           #FIXED %XLINK.xmlns;
           xml:lang             %language;      'en'
           role                 CDATA           #IMPLIED
           docsubtype           %docsubtype;    #FIXED "scp">
```

Model (Book DTD 5.2.1)

```
<!ELEMENT  simple-chapter       ( ce:footnote*, info, ce:floats?,
                                  ce:label?, ce:title, ce:subtitle?,
                                  ce:author-group*, ce:displayed-
                                  quote?, poem?, outline?, objectives?,
                                  ce:nomenclature?, ce:acknowledgment?,
                                  ce:intro?, ( ce:sections | subchapter
                                  | exam )*, ( ( ce:bibliography |
                                  ce:further-reading )+, ( ce:section |
                                  exam )* )? )>
<!ATTLIST  simple-chapter
           id                   ID              #REQUIRED
           xmlns                CDATA           #FIXED %ESBK.xmlns;
           version              CDATA           #FIXED '5.2'
           xmlns:ce             CDATA           #FIXED %ESCE.xmlns;
           xmlns:xlink          CDATA           #FIXED %XLINK.xmlns;
           xml:lang             %language;      'en'
           role                 CDATA           #IMPLIED
           docsubtype           %docsubtype;    #FIXED "scp">
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  simple-chapter       ( ce:footnote*, info, ce:floats?,
                                  ce:label?, ce:title, ce:subtitle?,
                                  ce:author-group*, ce:miscellaneous?,
                                  ce:abstract*, ce:displayed-quote?,
                                  poem?, outline?, objectives?,
                                  ce:nomenclature?, ce:acknowledgment?,
                                  ce:intro?, ( ce:sections | subchapter
                                  | exam )*, ( ( ( ce:bibliography |
                                  ce:further-reading )+ | ce:section |
                                  ce:biography ), ( ce:section | exam |
                                  ce:biography )* )? )>
```

```
<!ATTLIST  simple-chapter
        xmlns                   CDATA           #FIXED %ES.xmlns;
        version                 CDATA           #FIXED '5.3'
        xmlns:ce                CDATA           #FIXED %ESCE.xmlns;
        xmlns:xlink             CDATA           #FIXED %XLINK.xmlns;
        xml:lang                %iso639;        'en'
        id                      ID              #REQUIRED
        role                    CDATA           #IMPLIED
        docsubtype              %docsubtype;    #FIXED "scp">
```

Description

The element `simple-chapter` is used to capture book chapters as individual XML files, but only in a PreCAP backfile conversion project.

Usage

The `simple-chapter` element is used to capture all the material that appears within a book chapter. There is a PUBLIC identifier and a DOCTYPE declaration for simple-chapter, and individual chapter files get called into the book's hub file using the `ce:include-item` element.

Although the DTD does not restrict where lower-level book doctypes get called into the hub file, the intent is for `simple-chapter` only to be called into `body`, not in `front` or `rear`.

Content for simple-chapter consists of an optional/repeatable `ce:footnote`, a required `info` and the optional `ce:floats` container. The chapter begins with the (optional) `ce:label`, containing the name of the chapter ("Chapter 4"), the chapter title, captured by use of the `ce:title`, and optional and repeatable `ce:author-group` containing authors and their affiliations. Followed by optional `ce:miscellaneous`, optional/repeatable `ce:abstract`. The optional subelements `ce:displayed-quote`, `poem`, `outline`, `objectives`, and `ce:nomenclature` also belong to the "head" of the chapter, followed by an optional `ce:acknowledgment`. An introduction or summary is contained in the optional `ce:intro`.

The main body of the chapter consists of a optional/repeatable sequence of `ce:sections`, `subchapter` and/or `exam` elements, followed by optional/repeatable `ce:bibliography` and/or `ce:further-reading`, possibly followed by more `ce:section`s and/or `exam`s and/or `ce:biography`s.

It has an optional `role`, along with several required attributes:

- `id`
- `xmlns`: http://www.elsevier.com/xml/book/dtd
- `version`: 5.3
- `xmlns:ce`: http://www.elsevier.com/xml/common/dtd
- `xmlns:xlink`: http://www.w3.org/1999/xlink
- `xml:lang`: en (default value)
- `docsubtype`: scp

XML
```
<!DOCTYPE simple-chapter
  PUBLIC "-//ES//DTD book DTD version 5.3.0//EN//XML"
  "book530.dtd" []>
<simple-chapter id="ch1">
```

```
<info>
  <ce:pii>B978-0-323-01679-7.10003-8</ce:pii>
  <ce:isbn>978-0-323-01679-7</ce:isbn>
  <ce:copyright type="full-transfer"
    year="2003">Mosby, Inc.</ce:copyright>
</info>
<ce:bibliography>
  ...
</ce:bibliography>
</simple-chapter>
```

Version history

This top element was added in Elsevier Book DTD 5.2.0 to allow for deliveries of book backfile projects.

In Elsevier Book DTD 5.2.1 subelement `ce:label` was made optional.

In Elsevier Book DTD 5.3.0 added optional `ce:miscellaneous`, and optional/repeatable `ce:abstract` and optional/repeatable `ce:biography`s.

stanza

Declaration

Model (Book DTD 5.1.1–Book DTD 5.3.1)

```
<!ELEMENT  stanza              ( line+ )>
```

Description

The element stanza is used to capture a block of lines from a poem.

Usage

Content for stanza consists of required/repeatable line.

XML

```
<stanza>
  <line>Roses are red</line>
  <line>violets are blue</line>
  ...
</stanza>
```

Version history

This element first appeared in EHS Books DTD 5.1.1.

See also

See also elements poem and line.

subchapter

Declaration

Model (Book DTD 5.1.0)

```
<!ELEMENT  subchapter          ( ce:label?, ce:title, ce:author-group*,
                                 ce:displayed-quote?, ce:nomenclature?,
                                 ce:intro?, ( ce:section | subchapter
                                 | exam )+, ( ce:bibliography |
                                 ce:further-reading )+, ( ce:section |
                                 exam )* )>
<!ATTLIST  subchapter
           id                  ID              #REQUIRED>
```

Model (Book DTD 5.1.1)

```
<!ELEMENT  subchapter          ( ce:label?, ce:title, ce:author-group*,
                                 ce:displayed-quote?, ce:nomenclature?,
                                 ce:intro?, ( ce:sections | subchapter
                                 | exam )+, ( ce:bibliography |
                                 ce:further-reading )+, ( ce:section |
                                 exam )* )>
<!ATTLIST  subchapter
           id                  ID              #REQUIRED>
```

Model (Book DTD 5.2.0, Book DTD 5.2.1)

```
<!ELEMENT  subchapter          ( ce:footnote*, ce:label?, ce:title,
                                 ce:author-group*, ce:displayed-quote?,
                                 ce:nomenclature?, ce:acknowledgment?,
                                 ce:intro?, ( ce:sections | subchapter
                                 | exam )+, ( ce:bibliography |
                                 ce:further-reading )+, ( ce:section |
                                 exam )* )>
<!ATTLIST  subchapter
           id                  ID              #REQUIRED
           role                CDATA           #IMPLIED>
```

Model (Book DTD 5.3.0, Book DTD 5.3.1)

```
<!ELEMENT  subchapter          ( ce:footnote*, ce:label?, ce:title,
                                 ce:author-group*, ce:displayed-quote?,
                                 ce:nomenclature?, ce:acknowledgment?,
                                 ce:intro?, ( ce:sections | subchapter
                                 | exam )+, ( ( ( ce:bibliography |
                                 ce:further-reading )+ | ce:section ),
                                 ( ce:section | exam )* )? )>
<!ATTLIST  subchapter
           id                  ID              #REQUIRED
           role                CDATA           #IMPLIED>
```

Description

The element subchapter is used to capture large portions of hierarchy that occur within book chapters.

Usage

Quite frequently, book chapters are so large, that the subchapter element is needed to capture the complex hierarchy that occurs within them. Such divisions of chapters are often written by separate authors and will often contain their own references. For this DTD, the hierarchy below chapter that has its own author(s) and/or references should be tagged as a `subchapter`. Hierarchy below chapter which does not have its own author(s) or references should be done as `ce:section`s.

Content for the `subchapter` element is similar to the structure of its parent, `chapter`, and consists of an optional/repeatable `ce:footnote`, an optional `ce:label`, a required `ce:title`, optional and repeatable `ce:author-group`. Followed by optional `ce:date-received`, optional/repeatable `ce:date-revised`, optional `ce:date-accepted`, and optional/repeatable `ce:keywords`, optional `ce:displayed-quote` and `ce:nomenclature`, followed by an optional `ce:acknowledgment`, optional introductory text in `ce:intro`, followed by required/repeatable `ce:sections`s and/or nested `subchapter`s and/or `exam`s, followed by optional/repeatable `ce:bibliography` and/or `ce:further-reading`, followed by optional/repeatable `ce:section`s and/or `exam`s.

It has one required attribute, `id` and one optional `role`.

XML

```
<subchapter id="sc11">
  <ce:label>1.1</ce:label>
  <ce:title>Summary of Primary Care Today</ce:title>
  <ce:author-group>
    ...
  </ce:author-group>
  <ce:intro>
    <ce:para>Text of introductory paragraph...</ce:para>
  </ce:intro>
  <ce:section>
    <ce:title>Opening section title</ce:title>
    <ce:para>Text of first paragraph...</ce:para>
    <ce:para>Text of second paragraph...</ce:para>
  </ce:section>
  <ce:bibliography>
    ...
  </ce:bibliography>
</subchapter>
```

Version history

In EHS Books DTD 5.1.1 the occurrence indicator for `ce:author-group` changed from ? to *. Element `examination` was replaced by `exam` and the `docsubtype` attribute was added. Element `ce:section` was changed to `ce:sections` to allow subchapters to begin with regular paragraphs.

In Elsevier Book DTD 5.2.0, an optional/repeatable `ce:footnote` was added to the beginning of the content model for `subchapter`. The optional attribute `role` was also added.

In Elsevier Book DTD 5.3.0 reference end-notes were made optional.

top

Declaration

Model (Book DTD 5.1.0)

```
<!ELEMENT  top                  ( %titles;, ce:edition, ce:copyright-
                                  line, ce:editors?, ce:author-group*,
                                  ce:dedication?, ce:sections )>
```

Model (Book DTD 5.1.1)

```
<!ELEMENT  top                  ( %titles;, ce:edition, ce:copyright-
                                  line, ce:editors?, ce:author-group*,
                                  ce:dedication*, ce:sections )>
```

Model (Book DTD 5.2.0)

```
<!ELEMENT  top                  ( %titles;, ce:edition, ce:copyright-
                                  line, cover-image?, ce:editors*,
                                  ce:author-group*, dedication*,
                                  ce:sections )>
```

Model (Book DTD 5.2.1–Book DTD 5.3.1)

```
<!ELEMENT  top                  ( %titles;, ce:edition?, ce:copyright-
                                  line, cover-image?, ce:editors*,
                                  ce:author-group*, dedication*,
                                  ce:sections )>
```

Description

The element `top` is a another placeholder element for book-level metadata elements.

Usage

The info element contains book-project level metadata for the book item. It also contains material intended to render the following non-item material: title page, copyright page, and dedication (if present).

Content for the `top` element consists of required `ce:title`, optional `ce:subtitle`, optional/repeatable combination of required `ce:alt-title`, optional `ce:alt-subtitle`, followed by optional `ce:edition`, required `ce:copyright-line`, optional `cover-image`, optional `ce:editors`, optional/repeatable `ce:author-group`, optional/repeatable `dedication`, and required `ce:sections`.

XML

```
<top>
  <ce:title>Mosby's Clinical Nursing</ce:title>
  <ce:edition>5th Edition</ce:edition>
  <ce:editors>
    <ce:author-group>...</ce:author-group>
    <ce:author-group>...</ce:author-group>
  </ce:editors>
  <ce:copyright-line>Copyright &copy; 2002
    Mosby, Inc.</ce:copyright-line>
  <cover-image>...</cover-image>
  <ce:sections>
```

```
        <ce:para>Previous editions copyrighted ...</ce:para>
        <ce:para>All rights reserved. No part of this publication
            may be reproduced...</ce:para>
    </ce:sections>
</top>
```

Version history

In EHS Books DTD 5.1.1 the occurrence indicator for `ce:dedication` changed from ? to *.

In the Elsevier Book DTD 5.2.0 the optional `cover-image` was added while `ce:dedication` was replaced by `dedication` to properly allow for book dedications that tend to be more elaborate than articles.

In the Elsevier Book DTD 5.2.1 the element `ce:edition` was made optional.

Due to changes over time, the `top` has become largely empty. Author dedications and the copyright page are now both now delivered as items within `front`. Refer to the CAP guides for specific detailed guidance.

volume

Declaration

Model (Book DTD 5.1.0, Book DTD 5.1.1)

```
<!ELEMENT  volume                 ( ce:label, ( part | section |
                                     ce:include-item )+ )>
<!ATTLIST  volume
           id                     ID                 #REQUIRED>
```

Model (Book DTD 5.2.0)

```
<!ELEMENT  volume                 ( ce:label, ce:title?, ce:author-group*,
                                     ( part | section | ce:include-
                                     item )+ )>
<!ATTLIST  volume
           id                     ID                 #REQUIRED
           role                   CDATA              #IMPLIED>
```

Model (Book DTD 5.2.1–Book DTD 5.3.1)

```
<!ELEMENT  volume                 ( ce:label?, ce:title?, ce:author-
                                     group*, ( part | section | ce:include-
                                     item )+ )>
<!ATTLIST  volume
           id                     ID                 #REQUIRED
           role                   CDATA              #IMPLIED>
```

Description

Unlike journals, where a volume is a collection of journal issues, volumes in Elsevier books are usually only due to limitations of binding. In rare cases, they can also be used to delimit topical hierarchy as well. The element volume is used to capture material that appears between separately bound volumes of a multi-volume book if they occur within Elsevier books.

Usage

The volume element, a child of body, is used to delimit and capture the material that appears between each separately bound volume if/when they occur. It should be noted that only the ce:include-items and hierarchy above them (material within body) appears within volume. This differs from many hardcopy multi-volume books where front and back matter gets repeated in each separately bound volume.

The volume element consists of an optional ce:label (often a Roman numeral), an optional ce:title, an optional/repeatable ce:author-group, followed by required/repeatable parts and/or sections and/or ce:include-items.

It has one required attribute, id and one optional attribute, role.

XML

```
<volume id="vI">
  <ce:label>Volume I</ce:label>
  <part id="pA"><ce:label>Part A</ce:label>
    <ce:title>General issues and approach to disease
      in primary care medicine</title>
```

```
        <ce:include-item>
         <ce:pii>B0-323-01679-0/10027-7</ce:pii>
         <ce:title>Introduction</ce:title>
         <ce:pages>
            <ce:first-page>1</ce:first-page>
            <ce:last-page>8</ce:last-page>
         </ce:pages>
        </ce:include-item>
        <section id="s1"><ce:label>Section 1</ce:label>
          <ce:title>Core Issues and Special Groups
            in Primary Care</ce:title>
            <ce:include-item>
              <ce:pii>B0-323-01679-0/10003-4</ce:pii>
              <ce:title>Core Issues in Primary Care</ce:title>
              <ce:pages>
                 <ce:first-page>9</ce:first-page>
                 <ce:last-page>18</ce:last-page>
    </ce:pages>
            </ce:include-item>
            ...
        </section>
        ...
    </part>
    <part id="pB">
      <ce:label>Part B</ce:label>
      <ce:title>Title of Second Part</title>
      ...
    </part>
</volume>
```

Version history

In Elsevier Book DTD 5.2.0 optional `ce:title`, optional/repeatable `ce:author-group`, and optional attribute `role` were added.

In Elsevier Book DTD 5.2.1 subelement `ce:label` was made optional.

In the Elsevier Book DTD 5.3.0 `part` was allowed to recurse (`part`, child of `part`) to be able to properly handle MRWs.

PITs: Book publication item types

The attribute `docsubtype` of the top-level elements of the book DTD contains the publication item type of the book chapter or book hub. Its possible values are contained in `%docsubtype;` and `%docsubtype-book;` and are described here.

PIT	Short	Description
ack	Acknowledgments	Acknowledgments, in the front matter of a book.
app	Appendix	An appendix pertaining to the book as a whole (as opposed to one to a single chapter) found in the rear matter of a book.
bib	Bibliography	The list of references that pertain to the book as a whole (as opposed to references that may be part of an individual chapter) and that will be found in a separate section, usually in the rear matter of the book.
bio	Biography	Biographies, in the front matter of a book.
bk	Elsevier book	The PIT required for the top element that captures the basic structure of the book.
chp	Chapter	Individual chapter.
com	Comprehensive	One of the two principal types of Elsevier major reference works.
cop	Copyright	The copyright page as an item.
ctr	Contributors	List of contributors in the front matter of a book.
dct	Dictionary	Added for future expansion.
ded	Dedication	Part of a book's frontmatter thanking persons not directly involved with the research described in the book for their contribution.
enc	Encyclopedia	One of the two principal types of Elsevier major reference works.
exm	Examination	List of review questions and answers in case these are found as a separate section, outside a chapter.
for	Foreword	Introductory text in the front matter of a book.
gls	Glossary	List in which specific terminology used in the book is explained. Only used in cases where this is found as a separate section, outside a chapter, in rear matter only.
htu	How to use	Part of the front matter of a book that may be used to capture a disclaimer text.
idx	Index	List of index terms found in the book's rear matter. It can be an Author index, a Master index, a Subject index, a Materials index, etc.
itr	Introduction	Text introducing a volume, part or section of a book. Not to be confused with Foreword (FOR) or Preface (PRE) that are part of the front matter.
ovw	Overview	Used for so-called "topic pages" in an MRW, a short description of the subject of the MRW section.
pre	Preface	Introductory text in the front matter of a book.

PIT	Short	Description
`ret`	Retraction	Tombstone PIT assigned to a retracted item.
`rev`	Reviewers	List of names of referees that have reviewed (parts of) the book.
`scp`	Simple chapter	An individual chapter. Used primarily in conversion projects.

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