Stage 3 proposal: Feature 13023, <div> element

Contents

Stage 3 proposal: Feature 13023, <div> element

New generic division element, <div>. Content is intersection of <bodydiv> and <sectiondiv>. To be allowed wherever <p> or other block-level elements are allowed.

Champion

Eliot Kimber is the champion.

Tracking information

Event	Date	Links
Stage 1 proposal accepted	12 Jul 2011	*https://lists.oasis-open.org/archives/dita/201107/msg00007.html*
Stage 2 proposal submitted	25 Jan 2012, 14 May 2012	*https://www.oasis-open.org/apps/org/workgroup/dita/download.php/44921/proposal-13023.dita*, *https://www.oasis-open.org/apps/org/workgroup/dita/download.php/44922/proposal-13023.html*
Stage 2 proposal discussed	31 Jan 2012, 14 Feb 2012	*https://www.oasis-open.org/apps/org/workgroup/dita/download.php/45036/minutes20120131.txt*, *https://www.oasis-open.org/apps/org/workgroup/dita/download.php/45204/minutes20120214.txt*
Stage 2 proposal approved	7 Feb 2012, 15 May 2012	*https://www.oasis-open.org/apps/org/workgroup/dita/download.php/45132/minutes20120207.txt*, *https://www.oasis-open.org/apps/org/workgroup/dita/download.php/46007/minutes20120515.txt*
Stage 3 proposal submitted to reviewers	21 June 2013	Stan Doherty, Don Day
Stage 3 proposal (this document) submitted	19 Aug 2013	

Approved technical requirements

Allow <div> wherever <p> is allowed or any block context where <p> is not allowed for some reason (including within <p>, <fig>, etc.). The design intent is to allow <div> in all block-containing contexts.

Define a new element type, <div>, that allows all body content except <section> and also allows <div>.

Dependencies or interrelated proposals

There are no related proposals.

Modified DTDs

For DTDs, the specific changes are:

- Declare the parameter entity %div in the commonElements.div module:

```
<!ENTITY % div          "div"                                      >
```

- Declare the <div> element type in the commonElements.mod module:

```
<!--                     LONG NAME: Div element                     -->
<!ENTITY % div.content
                      "(#PCDATA |
                        %basic.block; |
                        %basic.ph; |
                        %data.elements.incl; |
                        %foreign.unknown.incl; |
                        %txt.incl;)*
">
<!ENTITY % div.attributes
            "%data-element-atts;"
>
<!ELEMENT div    %div.content;>
<!ATTLIST div    %div.attributes;>
```

- Add %div; to the following parameter entities:

  - %basic.block
  - %basic.block.notbl
  - %basic.block.nonote
  - %basic.block.nopara
  - %basic.block.nolq
  - %basic.block.notbnofg
  - %basic.block.notbfgobj
- Declare the @class attribute:

```
<!ATTLIST div        %global-atts;  class CDATA "- topic/div "      >
```

Modified specification documentation

Provide a listing of new or modified topics. For existing topics, provide the location of the DITA 1.2 topic; for new topics, suggest where you think the topic should be located in the TOC.

List the exact language suggested for the topics. For existing topics, you can use a table to compare the DITA 1.2 text and the proposed text for DITA 1.3. For new topics, use the templates nested within this topic.

Table 1: Modified Topics

Topic Name	DITA 1.2 Text	DITA 1.3 Text	
topiccontent.dita		Add new definition list entry for "div" as follows:	
		Div	Div allows for the arbitrary grouping of content within

Topic Name	DITA 1.2 Text	DITA 1.3 Text
		a topic. The div does not include a title. Content that requires a title should use section or example or, possibly, fig.

constraint-module-examples.dita	```%foreign.unknown.incl;
	|
	    %sectiondiv;)*)```
		Reflect %div; in content model of section.
		
		``%foreign.unknown.incl;
		|
		    %div; |
		    %sectiondiv;)*)```

dita_concept_topic.dita	The <conbody> element holds the main body-level elements of the concept topic. Like the body element of a base topic, the <conbody> allows paragraphs, lists, tables, figures and other general elements. It also provides two key elements that allow authors to subdivide the topic into parts, with or without titles. These subdivisions are called sections and examples. The <conbody> also allows <bodydiv> and <sectiondiv> to facilitate grouping elements in the <conbody> for reuse.	Add "<div>, " before <bodydiv> and ", " after <bodydiv>. Remove " for reuse" since there are other reasons to use divisions. The <conbody> element holds the main body-level elements of the concept topic. Like the body element of a base topic, the <conbody> allows paragraphs, lists, tables, figures and other general elements. It also provides two key elements that allow authors to subdivide the topic into parts, with or without titles. These subdivisions are called sections and examples. The <conbody> also allows <div>, <bodydiv>, and <sectiondiv> to facilitate grouping elements in the <conbody>.
bodydiv.dita		Insert new paragraph at end of first section within <refbody>: Because the <bodydiv> element allows <section>, it may not be used within <section> elements. Use the <div> element for containers that may occur (or be used by reference from) both topic bodies and sections.
sectiondiv.dita		Insert new paragraph at end of first section within <refbody>: Because the <sectiondiv> element allows <section>, it may not be used within <section> elements. Use the <div> element for containers that

Topic Name	DITA 1.2 Text	DITA 1.3 Text
		may occur (or be used by reference from) both topic bodies and sections.
speclimits.dita		Under section "", add new dl entry after the entry for <sectiondiv>:
		div generic, untitled, nestable container for content within topic bodies or sections

div

The <div> element is used to contain informal blocks of information within a topic. The div element is specifically designed to be a grouping element, without any explicit semantics, other than to organize subsets of content into logical groups that are not intended or should not be contained as a topic. As such, it does not contain an explicit title to avoid enabling the creation of deeply nested content that would otherwise be written as separate topics. Content that requires a title should use a section element or a nested topic, or possibly a figure.

Inheritance

- topic/div

Example

A division used to organize several elements together that could not be used as a unit using content reference range (because the last element in the sequence is not the same type as the first element in the sequence):

```
...
<div id="div-01">
 <p>The first paragraph</p>
 <p>The second paragraph</p>
 <note>This is a note</note>
</div>
...
```

An element, <pullquote>, specialized from <div>:

```
<!ENTITY % pullquote.content
  "(%div.cnt;)*"
>
<!ENTITY % pullquote.attributes
            "%id-atts;
             %localization-atts;
             base
                    CDATA
                              #IMPLIED
             %base-attribute-extensions;
             outputclass
                    CDATA
                              #IMPLIED"
>
<!ELEMENT pullquote    %pullquote.content;>
<!ATTLIST pullquote    %pullquote.attributes;>
```

```
<!ATTLIST pullquote      %global-atts;  class CDATA "+ topic/div d4p-
pubcontent-d/pullquote ">
```

Instances of <pullquote> could then be used in both <body> and <section> contexts:

```
<article id="article-01">
  <title>My Article</title>
  <body>
    <p>Something pithy someone said</p>
    <pullquote><p>Something Pithy</p></pullquote>
    ...
    <section spectitle="Deep Dive">
      <p>This is really really pithy</p>
      <pullquote><p>Really Pithy</p></pullquote>
      ...
    </section>
  </body>
</article>
```

Attributes

Standard generated attribute table goes here.