



Problem

The recent inclusion of <object> to the TEI has been a long-awaited addition to the language that was adapted from the msdescription module. With this project, we set out to test the effectiveness of the <physDesc> element within <object> and the effectiveness of the current concept of describing general objects.



Figurine.

Methodology

To test the effectiveness of <physDesc>, we selected six objects from FSU Special Collections. These objects demonstrated a variety of physical characteristics we wanted to capture. We then described these objects in as much detail as possible through observation then took the resulting document and converted it into descriptive markup in the TEI. While marking up our descriptions, we paid special attention to which current child elements of <physDesc> were applicable to the object. We also tested how the current content model restricts accurate description and markup. Based on this markup we then created an ODD file to add elements that would address the observations and questions we had while initially describing the objects.

Result and Discussion

We produced six descriptions of our objects to test the utility of <physDesc> and its child elements <objectDesc>, <decoDesc>, and <typeDesc>. Each object presented a different challenge to describe and resulted in a number of questions about the current version of physDesc>, such as:

• What is the difference between <physDesc> and <objectDesc> when describing objects and not manuscripts?

• Are the current child elements from the msdescription module still applicable to general objects?

• How do we subdivide objects into parts that can be described within <physDesc>? Based on our observations, we decided to create two models for segmenting objects for description: one that was meant to segment the *descriptions themselves*, and another that segmented the *objects* and linked these segments to their descriptions.

An Exploration of <object> using Antarctic Artifacts Suzanne Raybuck and Sarah Stanley

View all our files for this project in our GitHub repository at https://github.com/sraybuck/AntarcticObject

Customization #1 – <objectSector> • Creates an <objectSector> element within <object> which lays out segments of the object

- Assigns an @xml:id for linking to corresponding prose in <objectDesc>
- Considers the segmentation of the object *information* about the object itself



lassSpec ident="att.3dcoordinates" type="atts" mode="add"> <desc>provides attributes to describe a rectangular prism of space on an 3D coordinate grid using two points and depth</desc> <attList> <attDef ident="x1" mode="add"> <desc>x value of point 1</desc> <datatype> <dataRef key="tei.numeric"/> </datatype> </attDef> <attDef ident="y1" mode="add"> <desc>y value of point 1</desc> <datatype> <dataRef key="tei.numeric"/> </datatype> </attDef> <attDef ident="x2" mode="add"> <desc>x value of point 2</desc> <datatype> <dataRef key="tei.numeric"/> </datatype> <attDef ident="y2" mode="add"> <desc>y value of point Z</desc> <dataRef key="tei.numeric"/> </datatype> <attDef ident="depth" mode="add"> <desc>depth of the area user is defining</desc> <dataRef key="tei.numeric"/> </datatype> </attDef> </attList> </classSpec> Figure 6. Schema for our att.3dcoordinates attribute class.

Both Customizations

Created subdivisions of objects for more nuanced description Allow for the use of *a* place to segment the objects Utilize custom att.3D coordinates which allows the user to define a box-like space that encloses the area being described. Ideally these coordinates will map onto some 3D model of the object



stomization #2 - <sectordesc></sectordesc>
Creates a <sectordesc> within</sectordesc>
<objectdesc> element</objectdesc>
Provides the user a way of being more
precise by segmenting the <i>description</i> of
the object
Considers segmentation a feature of the
description rather than the object
description, rather than the object
<pre>institution>Florida State University repository>FSU Special Collections collection>Robert E Hancock Jr. Collection objectName>Navy Icebreaker Model jectIdentifier> sDesc> objectDesc></pre>
A detailed <objecttype>model</objecttype> of a wind-class ice breaker ship. The hull of the ship is painted red while there is grey paint on the sides above the waterline and on the roof, the deck is a light tan color and the small propellers at the back of the ship are gold. The ship is labelled "GB3" in four places along the waterline of the ship, two at either side of the bow and two at the stern.
<pre>rails. <sectordesc place="bow">At the bow there is a large, gray, armored gun that sits in the center of the deck. Behind it are two smaller, black, unshielded</sectordesc></pre>
<pre>guns. <sectordesc place="sides">On the starboard and port sides there are lifeboats with cranes.</sectordesc></pre>
<pre><sectordesc place="stern">At the stern, there is a helipad and helicopter hangar with a small orange model of a Sikorsky naval helicopter. At the stern railing there is a small American flag flying. </sectordesc> <sectordesc place="center">At the center of the ship there is a large radar unit, broken mast with a variety of maritime flags flying and a large ventilation shaft.</sectordesc></pre>
/objectDesc>

Figure 5. Navy Icebreaker description using <sectorDesc>.



Figure 7. Model of a United States Navy Icebreaker.