METS Files for Digital Resources in UFDC

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Last Updated on February 14, 2006

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1. Introduction

This document describes METS files that are used to add new digital resources to the University of Florida Digital Collections [UFDC].

It is not recommended that these files be hand coded, since the following document does not explicitly state which elements are required, and which are optional. Tools are (or will be) available to create these METS files.

For more information on METS, visit the METS webpage. (http://www.loc.gov/standards/mets/)

2. METS Document Components

A METS document conforming to the UFDC profile consists of five main sections.

Each file begins with a METS header containing descriptive metadata about the METS document. This is indicated with the metsHdr tag. This section also contains references to any outside schemas which should be used to validate the METS document.

Next, one or more Descriptive metadata sections are included. These contain descriptive information about the digital resource. Acceptable schemes to include in this section include the Dublin Core extension metadata and the UFDC extension metadata scheme. These sections are wrapped in dmdSec tags. The bulk of the data in the extension schemes utilizes XML.

The next section is for administrative metadata, which includes rights and access information. In the future, this will include rights information about the digital resource and may contain additional technical information about the images. For now, this section will contain information necessary for the Digital Archive at FCLA, or be left empty. Administrative metadata is wrapped in amdSec tags.

The fourth section is the file section. This lists all the files which are related to this digital resource. This section also allows different file types to be associated with one another. In a digitized book, for example, you may wish to associate the digital master with its derivatives, including jpeg and text files. This section is wrapped in a fileSec tag.

The last section is the structural map, which is wrapped in a structMap tag. This outlines the hierarchical structure of a digital resource and references the files included in the previous section. This section is used to build the table of contents for the resource.

Each of these main sections in the METS document will be examined in the forthcoming document.

3. METS Header

The first section is the METS header information. This contains information on how to validate this package. It also contains basic information about who created this package, and what software was used during the creation. The second and third line can be left out, as can the references to daitts, if this will not be sent to the Digital Archive at FCLA.

```
<?xml version="1.0" encoding="ISO-8859-1" standalone="no" ?>
<?fcla fda="yes"?>
<?fcla dl="no"?>
<METS:mets OBJID="UF00028333_VID00001"
             xmlns:METS="http://www.loc.gov/METS/"
             xmlns:dc="http://purl.org/dc/elements/1.1/"
             xmlns:ufdc="http://www.uflib.ufl.edu/digital/metadata/ufdc/"
             xmlns:xlink="http://www.w3.org/1999/xlink"
             xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
             xmlns:daitss="http://www.fcla.edu/dls/md/daitss/"
      xsi:schemaLocation="http://www.loc.gov/METS/
             http://www.loc.gov/standards/mets/mets.xsd
             http://purl.org/dc/elements/1.1/
             http://dublincore.org/schemas/xmls/simpledc20021212.xsd
             http://www.uflib.ufl.edu/digital/metadata/ufdc/
             http://www.uflib.ufl.edu/digital/metadata/ufdc/ufdc.xsd
             http://www.fcla.edu/dls/md/daitss/
             http://www.fcla.edu/dls/md/daitss/daitss.xsd">
<METS:metsHdr CREATEDATE="2005-10-27T14:49:11Z" ID="UF00028333_VID00001" LASTMODDATE="2006-01-
20T08:06:11Z" RECORDSTATUS="NEW">
      <METS:agent ROLE="CREATOR" TYPE="ORGANIZATION">
             <METS:name>UF</METS:name>
      </METS:agent>
      <METS:agent OTHERTYPE="SOFTWARE" ROLE="CREATOR" TYPE="OTHER">
             <METS:name>Quality Control Application, 3.1.6</METS:name>
      </METS:agent>
      <METS:agent ROLE="CREATOR" TYPE="INDIVIDUAL">
             <METS:name>SMATHERSLIB\jpen</METS:name>
      </METS:agent>
</METS:metsHdr>
```

The record status attribute of the header tag must be one of the following values:

NEW	New package, with metadata and images This package is rejected if an object with the same object id already exists.
REPLACEMENT	Replacement package with metadata and images. The original package is deleted, and completely replaced with the new package.
DELETE	Deletes the package from UFDC.
METADATA_UPDATE	Updates just the metadata, does not need to include all of the images. The fileSec of this new package must match the existing fileSec exactly, or this package is rejected.

The rest of the data in the metsHdr section is simply retained in case of later questions.

4. METS Descriptive Metadata

One or more Descriptive metadata sections are included. These contain descriptive information about the digital resource. Acceptable schemes to include in this section include the Dublin Core extension metadata and the UFDC extension metadata scheme. These sections are wrapped in dmdSec tags. The bulk of the data in the extension schemes utilizes XML.

DCMI Simple DC XML Schema

Many of the 15 Dublin Core elements have been excluded from our implementation of METS. Although most of these elements can be used, only five of the elements arte recommended. It is recommended that the METS package utilizes UFDC Schema elements for the remainder.

The following elements are supported and recommend:

Element Name	Description	Format
Date	Publication Date	`<dc:date> date </dc:date>`
Description*	General Description	`<dc:description> description </dc:description>`
Format	Format	`<dc:format> format </dc:format>`
Language*	Language(s)	`<dc:language> language </dc:language>`
Title	Title	`<dc:title> title </dc:title>`

* = this element is repeatable

The list below shows the Dublin Core elements that have been deprecated in favor of new UFDC elements. Although the data will be read from these Dublin core elements, the UFDC schema defined elements provide additional functionality and are recommended.

Dublin Core Element Name	UFDC Element Name
Contributor	Contributor
Creator	Creator
Publisher	Publisher
Subject	Subject
Coverage	Spatial, TemporalSubject
Identifier	Identifier
Source	Source
Rights	Rights
Type	Type

The Dublin Core elements must be wrapped in their own METS descriptive metadata section, and an indication the section is in XML, complying with the Dublin Core namespace. The structure for this section appears below:

```
<METS:dmdSec ID="DMD1">
 <METS:mdWrap MIMETYPE="text/xml" MDType="DC">
  <METS:xmlData>
   <dc:date> date </dc:date>
   <dc:description> description </dc:description>
   <dc:format> format </dc:format>
   <dc:language> language </dc:language>
   <dc:title> title </dc:title>
  </METS:xmlData>
 </METS:mdWrap>
</METS:dmdSec>
```

UFDC XML Schema

There are two main sections for the UFDC XML Schema. One section includes parameters which assist with general processing instructions and affects the display of the item in UFDC. This section is wrapped in <procParam> tags. The second section includes data about the bibliographic object. This section is wrapped in <bibDesc> tags.

These elements must be wrapped in a METS descriptive metadata section separate from the Dublin Core elements listed first. Again, an indication the section is in XML, complying with the UFDC namespace, must be added.

Additional XML extension schemas may be utilized here, but the references for the schema must be included in the METS header. One such available schema is a small extension for oral interviews which includes interviewer, interview, and interview date. Information on this schema can be found in Appendix 2.

Processing Parameters

There are nine custom UFDC elements which may be included in the METS file in the <procParam> tags. They are listed below:

Element Name	Description	Format
Collection.Primary *(required)*	Primary Collection Code	`<ufdc:Collection.Primary> JUV </ufdc:Collection.Primary>`
Collection.Alternate	Alternate Collection Code	`<ufdc:Collection.Alternate> DLOC </ufdc:Collection.Alternate>` `<ufdc:Collection.Alternate> MAPC </ufdc:Collection.Alternate>`
SubCollection*	Subcollection codes	`<ufdc:SubCollection>MAPFL</ufdc:SubCollection>` `<ufdc:SubCollection>MAPNA</ufdc:SubCollection>`
TextDisplayable	Should text be displayable ?	`<ufdc:TextDisplayable>false</ufdc:TextDisplayable>`
TextSearchable	Should text be searchable ?	`<ufdc:TextSearchable>true</ufdc:TextSearchable>`
MainThumbnail	Main thumbnail file	`<ufdc:MainThumbnail> 0001.jpg </ufdc:MainThumbnail>`

Index Sheet	Custom Index Sheet	`<ufdc:MainThumbnail> thisIndex.htm </ufdc:MainThumbnail>`

Icon**	Icons to display with item	`<ufdc:Icon>`
		`<ufdc:url name="NEH"> http:\\www...jpg </ufdc:url>`
		`<ufdc:url name="IMLS"> http:\\www....jpg </ufdc:url>`
		`</ufdc:Icon>`

Download**	Available downloads	`<ufdc:Download>`
		`<ufdc:url type="PDF" size="12.1"> http:\\www...pdf`
		`</ufdc:url>`
		`<ufdc:url type="JPEG2000"> http:\\www....jp2 </ufdc:url>`
		`</ufdc:Download>`

URL	Resource URL	`<ufdc:URL> http://www..... </ufdc:URL>`

* Entire element is repeatable
** Sub-element is repeatable

A sample processing parameter section appears below:

```
<METS:dmdSec ID="DMD2">
   <METS:mdWrap MIMETYPE="text/xml" MDTYPE="OTHER" LABEL="University of Florida Digital
Collections Metadata">
    <METS:xmlData>
          <ufdc:procParam>
           <ufdc:Collection.Primary>JUV</ufdc:Collection.Primary>
           <ufdc:SubCollection>JUV</ufdc:SubCollection>
           <ufdc:TextDisplayable>true</ufdc:TextDisplayable>
           <ufdc:TextSearchable>true</ufdc:TextSearchable>
           <ufdc:MainThumbnail>00001thm.jpg</ufdc:MainThumbnail>
           <ufdc:IndexSheet>index.html</ufdc:IndexSheet>
           <ufdc:Icon>
              <ufdc:url name="NEH">http://www....jpg</ufdc:url>
           </ufdc:Icon>
           <ufdc:Download>
             <ufdc:url type="PDF" size="8">
                            http://smathersdlcl2.uflib.ufl.edu/docsb/UFDC/JUV/UF00026638.pdf
             </ufdc:url>
           </ufdc:Download>
         </ufdc:procParam>
    </METS:xmlData>
   </METS:mdWrap>
</METS:dmdSec>
```

Bibliographic Description

The elements in the <bibDesc> tags describe the bibliographic resource. Most of these items will appear in the metadata displayed under Full Citation in the UFDC. There are 22 elements which can appear in this section:

Element Name	Description	Format

Abstract**	Abstract	`<ufdc:abstract>`
		`<ufdc:text language="en"> Abstract </ufdc:text>`
		`<ufdc:text language="fr"> Résumé </ufdc:text>`
		`</ufdc:abstract>`

AltTitle*	Alternate Title	`<ufdc:AltTitle> Alternate Title </ufdc:AltTitle>` `<ufdc:AltTitle language="fr">Titre Alternatif </ufdc:AltTitle>`

Attribution*	Attribution Statement	<ufdc:Attribution> Attribution </ufdc:Attribution>
BibID *(required)*	Bibliographic Identifier	<ufdc:BibID> UF00000000 </ufdc:BibID>
Contributor**	Contributor to original	<ufdc:Contributor> <ufdc:name role="role" dates="dates" location="loc" affiliation="affiliation"> Contrib </ufdc:name> <ufdc:name role="Illustrator"> Williams Engraving </ufdc:name> </ufdc:Contributor>
Copyrighted	Is the material copyrighted?	<ufdc:Copyrighted> true </ufdc:Copyrighted>
Creator	Creator of original	<ufdc:Creator> <ufdc:name role="role" dates="dates" location="loc" affiliation="affiliation"> Creator </ufdc:name> <ufdc:name role="Author"> Twain, Mark </ufdc:name> </ufdc:Creator>
Donor	Donor	<ufdc:Donor> Williams, Teddy </ufdc:Donor>
Identifier**	Any item identifiers	<ufdc:Identifier> <ufdc:id type="ead"> ufdl1221 </ufdc:id> <ufdc:id type="sip"> 001201022 </ufdc:id> <ufdc:id type="aleph"> 02320449 </ufdc:id> <ufdc:id type="notis"> AAA1212 </ufdc:id> </ufdc:Identifier>
Genre*	Genre	<ufdc:Genre>Childrens Literature</ufdc:Genre> <ufdc:Genre scheme="lcsh"> Childrens Literature</ufdc:Genre>
Holding	Holding location	<ufdc:Holding> <ufdc:statement code="MCPL">Monroe County Public Library</ufdc:statement> </ufdc:Holding>
Publisher**	Publisher	<ufdc:Publisher> <ufdc:name place="New York, NY"> Publisher </ufdc:name> </ufdc:Publisher>
Note	Resource Notes	<ufdc:Note> Resource Notes </ufdc:Note>
Rights	Rights Statement	<ufdc:Rights> All righs reserved </ufdc:Rights>
Scale	Scale (for maps)	<ufdc:Scale> 1:1000 </ufdc:Scale>
SeriesTitle	Title for a series	<ufdc:SeriesTitle> Series Title </ufdc:SeriesTitle>
Source	Source institution	<ufdc:Source> <ufdc:statement code="UF">University of Florida</ufdc:statement> </ufdc:Source>
Spatial**	Spatial coverage	<ufdc:Spatial> <ufdc:name scheme="fips"> 12011 </ufdc:name> <ufdc:name scheme="lcsh"> Gainesville -- Florida </ufdc:name> </ufdc:Spatial>
Subject**	Subject Keywords	<ufdc:Subject> <ufdc:name> Building Materials </ufdc:name> <ufdc:name scheme="lcsh"> Tin Roof Shack -- Florida </ufdc:name> </ufdc:Subject>
Temporal**	Temporal subject	<ufdc:Temporal> <ufdc:period start="1945" end="1973">post-WW II</ufdc:period> </ufdc:Temporal>

Type *(required)*	Material Type	<ufdc:Type>PHOTOGRAPH</ufdc:Type>
UniformTitle	Uniform title	<ufdc:UniformTitle> Uniform Title </ufdc:UniformTitle>
VID *(required)*	Volume Identifier	<ufdc:VID>00001</ufdc:VID>

* Entire element is repeatable
** Sub-element is repeatable

The structure for this section appears below:

```
<METS:dmdSec ID="DMD2">
   <METS:mdWrap MIMETYPE="text/xml" MDTYPE="OTHER" LABEL="University of Florida Digital
Collections Metadata">
    <METS:xmlData>
     <ufdc:bibDesc>
    <ufdc:BibID> UF00000000 </ufdc:BibID>
    <ufdc:VID>00001</ufdc:VID>
    <ufdc:Abstract>
       <ufdc:text language="en"> Abstract </ufdc:text>
       <ufdc:text language="fr"> Résumé </ufdc:text>
      </ufdc:Abstract>
    <ufdc:AltTitle> Alternate Title </ufdc:AltTitle>
    <ufdc:Attribution> Attribution </ufdc:Attribution>
    <ufdc:Contributor>
       <ufdc:name role="role" dates="dates" location="location">Contrib</ufdc:name>
       <ufdc:name role="Illustrator"> Williams Engraving </ufdc:name>
    </ufdc:Contributor>
    <ufdc:Creator>
       <ufdc:name role="role" dates="dates" location="location"> Creator </ufdc:name>
       <ufdc:name role="Author"> Twain, Mark </ufdc:name>
    </ufdc:Creator>
    <ufdc:Donor> Williams, Teddy </ufdc:Donor>
    <ufdc:Identifier>
       <ufdc:id type="ead"> ufdl1221 </ufdc:id>
       <ufdc:id type="sip"> 001201022 </ufdc:id>
       <ufdc:id type="aleph"> 02320449 </ufdc:id>
       <ufdc:id type="notis"> AAA1212 </ufdc:id>
    </ufdc:Identifier>
    <ufdc:Genre>Childrens Literature</ufdc:Genre>
    <ufdc:Holding>
       <ufdc:statement code="MCPL">Monroe County Public Library</ufdc:statement>
    </ufdc:Holding>
    <ufdc:Publisher>
       <ufdc:name place="New York, NY"> Publisher </ufdc:name>
    </ufdc:Publisher>
    <ufdc:Note> Resource Notes </ufdc:Note>
    <ufdc:Rights> All righs reserved </ufdc:Rights>
    <ufdc:Scale> 1:1000 </ufdc:Scale>
    <ufdc:SeriesTitle> Series Title </ufdc:SeriesTitle>
    <ufdc:Source>
       <ufdc:statement code="UF">University of Florida</ufdc:statement>
    </ufdc:Source>
    <ufdc:Spatial>
       <ufdc:name scheme="fips"> 12011 </ufdc:name>
       <ufdc:name scheme="lcsh"> Gainesville -- Florida </ufdc:name>
    </ufdc:Spatial>
         <ufdc:Subject>
              <ufdc:name>building materials</ufdc:name>
              <ufdc:name scheme="lcsh">Tin roof shacks -- Florida</ufdc:name>
      </ufdc:Subject>
    <ufdc:Temporal>
       <ufdc:period start="1945" end="1973">post-World War II</ufdc:period>
    </ufdc:Temporal>
    <ufdc:Type> BOOK </ufdc:Type>
    <ufdc:UniformTitle> Uniform Title </ufdc:UniformTitle>
```

```
      </ufdc:bibDesc>
     </METS:xmlData>
    </METS:mdWrap>
</METS:dmdSec>
```

5. METS Administrative Metadata

The next section is for administrative metadata, which includes rights and access information. In the future, this will include rights information about the digital resource and may contain additional technical information about the images. For now, this section will contain information necessary for the Digital Archive at FCLA, or be left empty. Administrative metadata is wrapped in amdSec tags.

The following administrative section should be included in all METS files which will be sent to the digital archive. The account code and project code information will be supplied at a later date, when there is a signed agreement.

```
<METS:amdSec>
    <METS:digiprovMD>
      <METS:mdWrap>
        <METS:xmlData>
          <daitss:daitss>
            <daitss:AGREEMENT_INFO ACCOUNT="[required FDA account code]"
              SUB_ACCOUNT="[optional FDA subaccount code]"
              PROJECT="[required FDA project code]" />
          </daitss:daitss>
        </METS:xmlData>
      </METS:mdWrap>
    </METS:digiprovMD>
  </METS:amdSec>
```

If this material is not destined for the Digital Archive at FCLA, the empty tag should be used as appears below.

```
<METS:amdSec />
```

6. METS File Section Metadata

The fourth section is the file section. This lists all of this files which are related to this digital resource. This section also allows different file types to be associated with one another. In a digitized book, for example, you may wish to associate the digital master with its derivatives, including jpeg and text files. This section is wrapped in a fileSec tag.

Each file type is listed in a separate fileGrp tag. However, the GroupID links the different related file types together.

Within each file section, the system name will always appear. The TrackinDB number will only appear on METS files generated locally at the University of Florida. Additionally, each file section should include attributes for the checksum and checksum type. These attributes will be used to ensure the files were safely transferred to the final destination. Thus the file tag should appear like:

```
<METS:file CHECKSUM="f21..43" CHECKSUMTYPE="MD5" GROUPID="P32656" ID="F104135" MIMETYPE="image/tiff 6.0">
```

An example without the checksums appears below.

```
<METS:fileSec>
  <METS:fileGrp>
  <METS:file GROUPID="P32656" ID="F104135" MIMETYPE="image/tiff 6.0">
    <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00001.tif" />
    <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104135" />
   </METS:file>
   <METS:file GROUPID="P32657" ID="F104136" MIMETYPE="image/tiff 6.0">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00002.tif" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104136" />
   </METS:file>
   <METS:file GROUPID="P32658" ID="F104137" MIMETYPE="image/tiff 6.0">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00003.tif" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104137" />
   </METS:file>
   <METS:file GROUPID="P32659" ID="F104138" MIMETYPE="image/tiff 6.0">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00004.tif" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104138" />
  </METS:file>
  <METS:file GROUPID="P32660" ID="F104139" MIMETYPE="image/tiff 6.0">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00005.tif" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104139" />
  </METS:file>
  <METS:file GROUPID="P32661" ID="F104140" MIMETYPE="image/tiff 6.0">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00006.tif" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104140" />
  </METS:file>
  <METS:file GROUPID="P32662" ID="F104141" MIMETYPE="image/tiff 6.0">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00007.tif" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104141" />
  </METS:file>
  <METS:file GROUPID="P32663" ID="F104142" MIMETYPE="image/tiff 6.0">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00008.tif" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104142" />
  </METS:file>
  <METS:file GROUPID="P32664" ID="F104143" MIMETYPE="image/tiff 6.0">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00009.tif" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104143" />
  </METS:file>
  <METS:file GROUPID="P32665" ID="F104144" MIMETYPE="image/tiff 6.0">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00010.tif" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104144" />
  </METS:file>
</METS:fileGrp>
<METS:fileGrp>
  <METS:file GROUPID="P32656" ID="T104135" MIMETYPE="text/plain">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00001.txt" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104135" />
  </METS:file>
```

```
  <METS:file GROUPID="P32657" ID="T104136" MIMETYPE="text/plain">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00002.txt" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104136" />
   </METS:file>
  <METS:file GROUPID="P32658" ID="T104137" MIMETYPE="text/plain">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00003.txt" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104137" />
   </METS:file>
  <METS:file GROUPID="P32659" ID="T104138" MIMETYPE="text/plain">
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00004.txt" />
  <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104138" />
   </METS:file>
   <METS:file GROUPID="P32660" ID="T104139" MIMETYPE="text/plain">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00005.txt" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104139" />
    </METS:file>
   <METS:file GROUPID="P32661" ID="T104140" MIMETYPE="text/plain">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00006.txt" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104140" />
    </METS:file>
   <METS:file GROUPID="P32662" ID="T104141" MIMETYPE="text/plain">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00007.txt" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104141" />
    </METS:file>
   <METS:file GROUPID="P32663" ID="T104142" MIMETYPE="text/plain">
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00008.txt" />
   <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104142" />
    </METS:file>
    <METS:file GROUPID="P32664" ID="T104143" MIMETYPE="text/plain">
    <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00009.txt" />
    <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104143" />
     </METS:file>
  <METS:file GROUPID="P32665" ID="T104144" MIMETYPE="text/plain">
    <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="SYSTEM" xlink:href="00010.txt" />
    <METS:FLocat LOCTYPE="OTHER" OTHERLOCTYPE="TRACKINGDB" xlink:type="simple" xlink:href="F104144" />
     </METS:file>
  </METS:fileGrp>
</METS:fileSec>
```

7. METS Structural Map Metadata

The last section is the structural map, which is wrapped in a structMap tag. This outlines the hierarchical structure of a digital resource and references the files included in the previous section. This section is used to build the table of contents for the resource.

A very simple example below is included below. While this example does not include sections within the chapters, this is also supported. Divisions can be placed within divisions hierarchically.

```
<METS:structMap TYPE="mixed">
   <METS:div DMDID="DMD1 DMD2" LABEL="Grammar in rhyme" ORDER="0" TYPE="main">
    <METS:div ID="D2455" ORDER="1" TYPE="Cover">
     <METS:div ID="P32656" ORDER="1" TYPE="page">
      <METS:fptr FILEID="F104135" />
      <METS:fptr FILEID="T104135" />
       </METS:div>
    </METS:div>
    <METS:div ID="D2468" LABEL="Grammar" ORDER="2" TYPE="Chapter">
     <METS:div ID="P32657" ORDER="1" TYPE="page">
      <METS:fptr FILEID="F104136" />
      <METS:fptr FILEID="T104136" />
       </METS:div>
     <METS:div ID="P32658" ORDER="2" TYPE="page">
      <METS:fptr FILEID="F104137" />
      <METS:fptr FILEID="T104137" />
       </METS:div>
     <METS:div ID="P32659" ORDER="3" TYPE="page">
      <METS:fptr FILEID="F104138" />
      <METS:fptr FILEID="T104138" />
       </METS:div>
     <METS:div ID="P32660" ORDER="4" TYPE="page">
      <METS:fptr FILEID="F104139" />
      <METS:fptr FILEID="T104139" />
       </METS:div>
     <METS:div ID="P32661" ORDER="5" TYPE="page">
      <METS:fptr FILEID="F104140" />
      <METS:fptr FILEID="T104140" />
       </METS:div>
     <METS:div ID="P32662" ORDER="6" TYPE="page">
      <METS:fptr FILEID="F104141" />
      <METS:fptr FILEID="T104141" />
       </METS:div>
     <METS:div ID="P32663" ORDER="7" TYPE="page">
      <METS:fptr FILEID="F104142" />
      <METS:fptr FILEID="T104142" />
       </METS:div>
     <METS:div ID="P32664" ORDER="8" TYPE="page">
      <METS:fptr FILEID="F104143" />
      <METS:fptr FILEID="T104143" />
       </METS:div>
    </METS:div>
    <METS:div ID="D2469" ORDER="3" TYPE="Cover">
     <METS:div ID="P32665" ORDER="1" TYPE="page">
      <METS:fptr FILEID="F104144" />
      <METS:fptr FILEID="T104144" />
       </METS:div>
    </METS:div>
   </METS:div>
</METS:structMap>
```

Appendix 1: UFDC XML Extension Schema

Below is the UFDC XML Extenion schema (as of August, 14 2005):

```
<?xml version="1.0" ?>
<!--<!DOCTYPE xs:schema PUBLIC "-//W3C//DTD XMLSCHEM_ 200102//EN" "XMLSchema.dtd">-->
<xs:schema xmlns:xs=http://www.w3.org/2001/XMLSchema
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xmlns=http://www.uflib.ufl.edu/digital/metadata/ufdc/
   targetNamespace=http://www.uflib.ufl.edu/digital/metadata/ufdc/
   elementFormDefault="qualified"
   attributeFormDefault="unqualified"
   xsi:schemaLocation="http://www.w3.org/2001/XMLSchema http://www.w3.org/2001/XMLSchema.xsd"
   version="1.1">

<xs:annotation>
  <xs:documentation xml:lang="en">
    Schema defining metadata elements to be used for UFDC projects.
    This schema has been designed as an extension schema to the METS format.
    Components defined and declared here may be used in a METS mdWrap/xmlData section.
    Developer: Mark Sullivan (MarSull@uflib.ufl.edu)
    Creation Date: 08/08/2005

    Version 1.1 - SortDate and SortTitle were added ( January 2006 - MVS )
  </xs:documentation>
</xs:annotation>

<!-- All elements which describe how to handle this item will be in an procParam wrapper. -->
<!-- This element should appear in a descriptive (dmdSec) wrapper in the METS file -->
<xs:element name="procParam">
  <xs:complexType>
    <xs:sequence>
      <!-- These are elements which tell which collecton (and subcollections) to build this
into -->
       <xs:element name="Collection.Primary" type="xs:string" minOccurs="1" maxOccurs="1" />
       <xs:element name="Collection.Alternate" type="xs:string" minOccurs="0"
maxOccurs="unbounded" />
      <xs:element name="SubCollection" type="xs:string" minOccurs="0" maxOccurs="unbounded" />

       <!-- These are elements which tell how to display this item in UFDC -->
       <xs:element name="TextDisplayable" type="xs:boolean" minOccurs="0" maxOccurs="1" />
       <xs:element name="TextSearchable" type="xs:boolean" minOccurs="0" maxOccurs="1" />
       <xs:element name="MainThumbnail" type="xs:string" minOccurs="0" maxOccurs="1" />
       <xs:element name="IndexSheet" type="xs:string" minOccurs="0" maxOccurs="1" />
       <xs:element name="Icon" type="ufdcIcon" minOccurs="0" maxOccurs="unbounded" />

       <!-- This element points to any downloads available for this item -->
       <xs:element name="Download" type="ufdcDownload" minOccurs="0" maxOccurs="unbounded" />

       <!--This element points to the URL of the item, if this points to an existing resource>
       <xs:element name="URL" type="xs:string" minOccurs="0" maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

<!-- All elements which describe the bibliographic item will be in a bibDesc wrapper. -->
<!-- This element should appear in a descriptive (dmdSec) wrapper in the METS file -->
<xs:element name="bibDesc">
  <xs:complexType>
    <xs:sequence>

       <!-- These items are primary local identifiers for this item -->
       <xs:element name="BibID" type="xs:string" minOccurs="1" maxOccurs="1" />
       <xs:element name="VID" type="xs:string" minOccurs="1" maxOccurs="1" />
```

```
      <!-- These are the elements which are ingested directly into the UFDC custom metadata
in Greenstone during the build process -->
      <xs:element name="Abstract" type="ufdcAbstract" minOccurs="0" maxOccurs="unbounded" />
      <xs:element name="AltTitle" type=" ufdcAlternateTitle" minOccurs="0"
maxOccurs="unbounded" />
      <xs:element name="Attribution" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="Contributor" type="ufdcContributor" minOccurs="0"
maxOccurs="unbounded" />
      <xs:element name="Copyrighted" type="xs:boolean" minOccurs="0" maxOccurs="1" />
      <xs:element name="Creator" type="ufdcCreator" minOccurs="0" maxOccurs="unbounded" />
      <xs:element name="Donor" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="Identifier" type="ufdcIdentifier" minOccurs="0" maxOccurs="unbounded"
/>
      <xs:element name="Genre" type="ufdcGenre" minOccurs="0" maxOccurs="unbounded" />
      <xs:element name="Holding" type="ufdcHolding" minOccurs="0" maxOccurs="1" />
      <xs:element name="Publisher" type="ufdcPublisher" minOccurs="0" maxOccurs="unbounded"
/>
      <xs:element name="Note" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="Rights" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="Scale" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="SeriesTitle" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="Source" type="ufdcSource" minOccurs="1" maxOccurs="1" />
      <xs:element name="Spatial" type="ufdcSpatial" minOccurs="0" maxOccurs="unbounded" />
      <xs:element name="Subject" type="ufdcSubject" minOccurs="0" maxOccurs="unbounded" />
      <xs:element name="Temporal" type="ufdcTemporal" minOccurs="0" maxOccurs="unbounded" />
      <xs:element name="Type" minOccurs="1" maxOccurs="1">
         <xs:simpleType>
            <xs:restriction base="xs:NMTOKEN">
               <xs:enumeration value="AERIAL" />
               <xs:enumeration value="ARTIFACT" />
               <xs:enumeration value="BOOK" />
               <xs:enumeration value="MAP" />
               <xs:enumeration value="MONOGRAPH" />
               <xs:enumeration value="PHOTOGRAPH" />
               <xs:enumeration value="POSTCARD" />
               <xs:enumeration value="SERIAL" />
               <xs:enumeration value="AUDIO" />
               <xs:enumeration value="VIDEO" />
               <xs:enumeration value="IMAGE" />
               <xs:enumeration value="TEXT" />
            </xs:restriction>
         </xs:simpleType>
      </xs:element>
      <xs:element name="UniformTitle" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="SortDate" type="xs:string" minOccurs="0" maxOccurs="1" />
      <xs:element name="SortTitle" type="xs:string" minOccurs="0" maxOccurs="1" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

   <!-- Define the complex Abstract type -->
   <xs:complexType name="ufdcAbstract">
    <xs:sequence>
     <xs:element name="text" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
         <xs:simpleContent>
          <xs:extension base="xs:string">
           <xs:attribute name="language">
            <xs:simpleType>
               <xs:restriction base="xs:NMTOKEN">
                <xs:enumeration value="en" />
                <xs:enumeration value="fr" />
                <xs:enumeration value="sp" />
                <xs:enumeration value="ru" />
               </xs:restriction>
            </xs:simpleType>
           </xs:attribute>
```

```
        </xs:extension>
       </xs:simpleContent>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>

  <!-- Define the complex Alternate Title type -->
  <xs:complexType name="ufdcAlternateTitle">
   <xs:sequence>
    <xs:element name="text" minOccurs="0" maxOccurs="unbounded">
     <xs:complexType>
      <xs:simpleContent>
       <xs:extension base="xs:string">
        <xs:attribute name="language">
        <xs:simpleType>
         <xs:restriction base="xs:NMTOKEN">
          <xs:enumeration value="en" />
          <xs:enumeration value="fr" />
          <xs:enumeration value="sp" />
          <xs:enumeration value="ru" />
         </xs:restriction>
        </xs:simpleType>
       </xs:attribute>
      </xs:extension>
     </xs:simpleContent>
    </xs:complexType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>

  <!-- Define the complex Contributor type -->
  <xs:complexType name="ufdcContributor">
   <xs:sequence>
    <xs:element name="name" minOccurs="0" maxOccurs="unbounded">
     <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:string">
          <xs:attribute name="role" type="xs:string" />
          <xs:attribute name="location" type="xs:string" />
          <xs:attribute name="dates" type="xs:string" />
          <xs:attribute name="affiliation" type="xs:string" />
         </xs:extension>
        </xs:simpleContent>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>

  <!-- Define the complex Creator type -->
  <xs:complexType name="ufdcCreator">
   <xs:sequence>
    <xs:element name="name" minOccurs="0" maxOccurs="unbounded">
     <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:string">
          <xs:attribute name="role" type="xs:string" />
          <xs:attribute name="location" type="xs:string" />
          <xs:attribute name="dates" type="xs:string" />
          <xs:attribute name="affiliation" type="xs:string" />
         </xs:extension>
        </xs:simpleContent>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
```

```
<!-- Define the complex Download type -->
<xs:complexType name="ufdcDownload">
 <xs:sequence>
  <xs:element name="url" minOccurs="0" maxOccurs="unbounded">
   <xs:complexType>
      <xs:simpleContent>
       <xs:extension base="xs:string">
        <xs:attribute name="type" type="xs:string" />
        <xs:attribute name="size" type="xs:string" />
       </xs:extension>
      </xs:simpleContent>
   </xs:complexType>
  </xs:element>
 </xs:sequence>
</xs:complexType>

<!-- Define the complex Holding type -->
<xs:complexType name="ufdcHolding">
 <xs:sequence>
  <xs:element name="statement" minOccurs="0" maxOccurs="unbounded">
   <xs:complexType>
      <xs:simpleContent>
       <xs:extension base="xs:string">
        <xs:attribute name="code" type="xs:string" />
       </xs:extension>
      </xs:simpleContent>
   </xs:complexType>
  </xs:element>
 </xs:sequence>
</xs:complexType>


<!-- Define the complex Icon type -->
<xs:complexType name="ufdcIcon">
 <xs:sequence>
  <xs:element name="url" minOccurs="0" maxOccurs="unbounded">
   <xs:complexType>
      <xs:simpleContent>
       <xs:extension base="xs:string">
        <xs:attribute name="name" type="xs:string" />
       </xs:extension>
      </xs:simpleContent>
   </xs:complexType>
  </xs:element>
 </xs:sequence>
</xs:complexType>

<!-- Define the complex Identifier type -->
<xs:complexType name="ufdcIdentifier">
 <xs:sequence>
  <xs:element name="id" minOccurs="0" maxOccurs="unbounded">
   <xs:complexType>
      <xs:simpleContent>
       <xs:extension base="xs:string">
        <xs:attribute name="type">
         <xs:simpleType>
            <xs:restriction base="xs:NMTOKEN">
             <xs:enumeration value="ead" />
             <xs:enumeration value="sip" />
             <xs:enumeration value="isbn" />
             <xs:enumeration value="issn" />
             <xs:enumeration value="lccn" />
             <xs:enumeration value="aleph" />
             <xs:enumeration value="notis" />
             <xs:enumeration value="oclc" />
             <xs:enumeration value="other" />
            </xs:restriction>
```

```
          </xs:simpleType>
         </xs:attribute>
        </xs:extension>
       </xs:simpleContent>
    </xs:complexType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>

 <!-- Define the complex Publisher type -->
 <xs:complexType name="ufdcPublisher">
  <xs:sequence maxOccurs="unbounded">
   <xs:element name="name" minOccurs="0" maxOccurs="unbounded">
    <xs:complexType>
       <xs:simpleContent>
        <xs:extension base="xs:string">
         <xs:attribute name="place" type="xs:string" />
        </xs:extension>
       </xs:simpleContent>
    </xs:complexType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>

 <!-- Define the complex Temporal type -->
 <xs:complexType name="ufdcTemporal">
  <xs:sequence>
   <xs:element name="period" minOccurs="0" maxOccurs="unbounded">
    <xs:complexType>
       <xs:simpleContent>
        <xs:extension base="xs:string">
         <xs:attribute name="start" type="xs:gYear" />
         <xs:attribute name="end" type="xs:gYear" />
        </xs:extension>
       </xs:simpleContent>
    </xs:complexType>
   </xs:element>
  </xs:sequence>
 </xs:complexType>

 <!-- Define the complex Source type -->
 <xs:complexType name="ufdcSource">
  <xs:sequence>
   <xs:element name="statement" minOccurs="0" maxOccurs="1">
    <xs:complexType>
       <xs:simpleContent>
        <xs:extension base="xs:string">
         <xs:attribute name="code">
          <xs:simpleType>
             <xs:restriction base="xs:NMTOKEN">
              <xs:enumeration value="UF" />
              <xs:enumeration value="FSU" />
              <xs:enumeration value="UWF" />
              <xs:enumeration value="UNF" />
              <xs:enumeration value="UCF" />
              <xs:enumeration value="USF" />
              <xs:enumeration value="FIU" />
              <xs:enumeration value="MHM" />
              <xs:enumeration value="MCPL" />
             </xs:restriction>
          </xs:simpleType>
         </xs:attribute>
        </xs:extension>
       </xs:simpleContent>
    </xs:complexType>
   </xs:element>
  </xs:sequence>
```

```
  </xs:complexType>

  <!-- Define the complex Spatial type -->
  <xs:complexType name="ufdcSpatial">
   <xs:sequence>
    <xs:element name="name" minOccurs="0" maxOccurs="unbounded">
     <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:string">
          <xs:attribute name="scheme">
           <xs:simpleType>
              <xs:restriction base="xs:NMTOKEN">
               <xs:enumeration value="fips" />
               <xs:enumeration value="gnis" />
               <xs:enumeration value="huc" />
               <xs:enumeration value="lcsh" />
              </xs:restriction>
           </xs:simpleType>
          </xs:attribute>
         </xs:extension>
        </xs:simpleContent>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>

  <!-- Define the complex Subject type -->
  <xs:complexType name="ufdcSubject">
   <xs:sequence>
    <xs:element name="name" minOccurs="0" maxOccurs="unbounded">
     <xs:complexType>
        <xs:simpleContent>
         <xs:extension base="xs:string">
          <xs:attribute name="scheme">
           <xs:simpleType>
              <xs:restriction base="xs:NMTOKEN">
               <xs:enumeration value="aat" />
               <xs:enumeration value="fdoesss" />
               <xs:enumeration value="lctgm" />
               <xs:enumeration value="lcsh" />
               <xs:enumeration value="ulan" />
               <xs:enumeration value="nmc" />
              </xs:restriction>
           </xs:simpleType>
          </xs:attribute>
         </xs:extension>
        </xs:simpleContent>
     </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
</xs:schema>
```

Appendix 2: Oral History XML Extension Schema

This is an example of using an additional XML extension schema with the METS files. Any additional data will be included in the same descriptive section as the standard UFDC schema and will appear within the same <METS:dmdSec> tags.

This schema adds only three simple elements. The purpose of this schema is to allows this data to be highlighted in the final on-line product. Therefore, these will map to custom metadata in Greenstone. As such, these should not replace the other tags. For example, a title must still be used, even if the title is identical to the interviewee's name. Best practice would use the name in the Interviewee metadata in the oral history schema and preface the name in the title with 'Interview of '.

There are three elements to this schema. These elements must be wrapped in the <oral:interview> tag.

Element Name	Description	Format
Interviewee	Interviewee's Name	`<oral:interviewee> name </oral:interviewee>`
Interviewer	Interviewer's Name	`<oral:interviewer> name </oral:interviewer>`
Interview Date	Interview Date	`<oral:interviewDate> date </oral:interviewDate>`

An example oral history section is included below:

```
<oral:interview>
      <oral:Interviewee>Miller, Geraldine Y.</oral:Interviewee>
      <oral:Interviewer>Buchanan, Joel</oral:Interviewer>
      <oral:InterviewDate>January 2nd, 2005</oral:InterviewDate>
</oral:interview>
```

Below is the XML schema for oral history interviews:

```
<?xml version="1.0" ?>
<!--<!DOCTYPE xs:schema PUBLIC "-//W3C//DTD XMLSCHEM_ 200102//EN" "XMLSchema.dtd">-->
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns="http://www.uflib.ufl.edu/digital/metadata/oral/"
      targetNamespace=http://www.uflib.ufl.edu/digital/metadata/oral/
      elementFormDefault="qualified"
      attributeFormDefault="unqualified"
      xsi:schemaLocation="http://www.w3.org/2001/XMLSchema
            http://www.w3.org/2001/XMLSchema.xsd"
      version="1.0">
<xs:annotation>
   <xs:documentation xml:lang="en">
      Schema defining metadata elements to be used for Oral History projects for
      UFDC.   This schema has been designed as an extension schema to the METS
      format. Components defined and declared here may be used in a METS
      dmdWrap/xmlData section.

      Developer: Mark Sullivan (MarSull@uflib.ufl.edu)
      Creation Date: January 2006
   </xs:documentation>
</xs:annotation>
```

```
<!-- All elements which describe the oral interview appear in an interview object -->
<!-- This element should appear in a descriptive (dmdSec) wrapper in the METS file-->
<xs:element name="interview">
   <xs:complexType>
      <xs:sequence>

       <!-- Three elements used to describe oral interviews exclusively -->
       <xs:element name="Interviewee" type="xs:string" minOccurs="0" maxOccurs="1" />
       <xs:element name="Interviewer" type="xs:string" minOccurs="0" maxOccurs="1" />
       <xs:element name="InterviewDate" type="xs:string" minOccurs="0" maxOccurs="1"
/>
      </xs:sequence>
     </xs:complexType>
  </xs:element>
</xs:schema>
```

Appendix 3: Sample METS File

The sample below has the file section and structure map excluded, due to size constraints.


```
<?xml version="1.0" encoding="ISO-8859-1" standalone="no" ?>
<?fcla fda="yes"?>
<METS:mets OBJID="UF00023502_00001"
  xmlns:METS="http://www.loc.gov/METS/"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:ufdc="http://www.uflib.ufl.edu/digital/metadata/ufdc/"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:daitss="http://www.fcla.edu/dls/md/daitss/"
  xsi:schemaLocation="http://www.loc.gov/METS/
    http://www.loc.gov/standards/mets/mets.xsd
    http://purl.org/dc/elements/1.1/
    http://dublincore.org/schemas/xmls/simpledc20021212.xsd
    http://www.uflib.ufl.edu/digital/metadata/ufdc/
    http://www.uflib.ufl.edu/digital/metadata/ufdc/ufdc.xsd
    http://www.fcla.edu/dls/md/daitss/
    http://www.fcla.edu/dls/md/daitss/daitss.xsd">
<METS:metsHdr CREATEDATE="2005-10-03T15:00:00Z" ID="UF00023502_00001" LASTMODDATE="2005-10-
03T15:00:00Z" RECORDSTATUS="NEW ">
  <METS:agent ROLE="CREATOR" TYPE="ORGANIZATION">
    <METS:name>UF</METS:name>
  </METS:agent>
  <METS:agent OTHERTYPE="SOFTWARE" ROLE="CREATOR" TYPE="OTHER">
    <METS:name>JUV Importer Tool</METS:name>
  </METS:agent>
  <METS:agent ROLE="CREATOR" TYPE="INDIVIDUAL">
    <METS:name>Mark Sullivan</METS:name>
  </METS:agent>
</METS:metsHdr>
<METS:dmdSec ID="DMD1">
  <METS:mdWrap MDTYPE="DC" MIMETYPE="text/xml" LABEL="Dublin Core Metadata">
    <METS:xmlData>
      <dc:title>The goat and her kid</dc:title>
      <dc:date>1870, c1866</dc:date>
      <dc:description>Added engraved series t.p.</dc:description>
      <dc:description>Baldwin Library copy illustrations are hand-colored: probably by young
owner.</dc:description>
      <dc:format>64 p. : ill. (some col.) ; 12 cm.</dc:format>
      <dc:language>English</dc:language>
    </METS:xmlData>
  </METS:mdWrap>
</METS:dmdSec>
<METS:dmdSec ID="DMD2">
  <METS:mdWrap MDTYPE="OTHER" OTHERMDTYPE="UFDC" MIMETYPE="text/xml" LABEL="University of
Florida Digital Collections Metadata">
    <METS:xmlData>
      <ufdc:procParam>
        <ufdc:Collection.Primary>JUV</ufdc:Collection.Primary>
        <ufdc:TextDisplayable>false</ufdc:TextDisplayable>
        <ufdc:Icon>
          <ufdc:url
name="NEH">http://Smathersnt25.uflib.ufl.edu/ufdc/design/wordmarks/neh.gif</ufdc:url>
          <ufdc:url
name="ICDL">http://Smathersnt25.uflib.ufl.edu/ufdc/design/wordmarks/icdl.gif</ufdc:url>
          <ufdc:url
name="UFSPEC">http://Smathersnt25.uflib.ufl.edu/ufdc/design/wordmarks/ufspec.gif</ufdc:url>
        </ufdc:Icon>
      </ufdc:procParam>
      <ufdc:bibDesc>
        <ufdc:BibID>UF00023502</ufdc:BibID>
        <ufdc:VID>00001</ufdc:VID>
```

```
        <ufdc:Attribution>Preservation and Access for American and British Children's
Literature, 1870-1889 (NEH PA-50860-00).</ufdc:Attribution>
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