METS PROFILE

|  |  |
| --- | --- |
| Title: | **Boston College Datasets** |
| Abstract: | This is a profile for METS objects that represent datasets. |
| Date of Last Revision: | 01/31/2014 |
| Contact: | Emily Toner  Boston College  O’Neill Library  140 Commonwealth Ave.  Chestnut Hill, MA 02467  617.552.1943  emily.toner@bc.edu |
| Related Profile: |  |
| Extension Schema: | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **MODS**   |  |  | | --- | --- | | Context | Used for encoding descriptive metadata. | | Note | For each BC-affiliated author, <mods:name> should conform to the authority files found in facultyNames.xml (extracted from the Access Database Workflow database) and must include <mods:namePart type="family">, <mods:namePart type="given">, <mods:displayForm>, <mods:affiliation>, and <mods:description>. <mods:description> should correspond with the author's username/shortname for faculty and should read "nonfaculty" for all other BC-affiliated individuals. Run through XSLT script entitled "facultyNamesLookup-mets.xsl" to integrate facultyNames.xml authorities into METS/MODS descriptive metadata. | | |
| Description Rules: | All applications of the MODS schema in conforming METS documents follow the MODS User Guidelines published by Library of Congress' Network Development and MARC Standards Office. |
| Controlled Vocabularies: | |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Boston College Complex Articles <mets> TYPE attribute values**   |  |  | | --- | --- | | Maintenance Agency | Boston College | | Values | * data | | Context | mets/@TYPE | | Description | The value *data* is currently the only option for this METS profile. | | | **Boston College Digitized Text Objects <structMap> LABEL attribute values**   |  |  | | --- | --- | | Maintenance Agency | Boston College | | Values | * data | | Context | mets/structMap/@LABEL | | Description | The value *data* is currently the only option for this METS profile. |   **Boston College Complex Articles <fileGrp> USE attribute values**   |  |  | | --- | --- | | Maintenance Agency | Boston College | | Values | * master * reference * archive | | Context | mets/fileSec/fileGrp/@USE | | Description | The attribute value *reference* refers to file groups intended only for user access (viewable in repository). The attribute *archive* refers to file groups intended only for archival purposes (not viewable in repository). The attribute value *master* identifies file groups in which the set of files serves as both the *reference* and *archive* copies. | | | **Boston College Complex Articles <structMap> TYPE attribute values**   |  |  | | --- | --- | | Maintenance Agency | Boston College | | Values | * logical * mixed * physical | | Context | mets/structMap/@TYPE | | Description | Datasets are usually *logical*. The value *mixed* refers to the combination of *physical* and *logical* structures. | |  |  |   **Boston College Complex Articles <structMap> TYPE attribute values**   |  |  | | --- | --- | | Maintenance Agency | Boston College | | Values | * logical * mixed * physical | | Context | mets/structMap/div/@TYPE | | Description | Datasets are usually *logical*. The value *mixed* refers to the combination of *physical* and *logical* structures. | | |
| Structural Requirements | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **metsRootElement**   |  |  | | --- | --- | | 1 | The root <mets> element must include an OBJID attribute value containing an identifier that uniquely identifies the object in its owning repository (not implemented at this time). | | 2 | The root <mets> element must include a LABEL attribute value that is the title of the object/entity being described in the METS document for the user. The title should be formatted using the Chicago Manual of Style’s [Notes and Bibliography](http://www.chicagomanualofstyle.org/ch16/ch16_sec003.html) conventions. | | 3 | The root <mets> element should contain a PROFILE attribute indicating that it conforms to this profile (not implemented at this time). | | | **metsHdr** | | |  |  | | --- | --- | | 1 | The <metsHdr> element must include the CREATEDATE attribute value. It must also include the LASTMODDATE attribute value if this does not coincide with the CREATEDATE. | | 2 | Conforming METS documents must contain a metsHdr element. | | 3 | The <metsHdr> element must include a child <agent> element identifying the person or institution responsible for creating the METS object. The <agent> element must include ROLE (or OTHERROLE) and TYPE (or OTHERTYPE) attributes. | | | **dmdSec** | | |  |  | | --- | --- | | 1 | Each <dmdSec> must include an ID attribute | | 2 | Conforming METS documents may, but need not, contain a one or more <dmdSec> elements. Each <dmdSec> may in turn contain a <mdRef> or a <mdWrap> | | 3 | If a <dmdSec> of a conforming document contains a <mdWrap> with <xmlData>, the <xmlData> must conform to the MODS schema. | | | **amdSec** | | |  |  | | --- | --- | | 1 | Conforming METS documents may, but need not, contain an <amdSec> element. This <amdSec> may but need not contain one or more <techMD> elements, <sourceMD> elements, <rightsMD> elements and/or <digiprovMD> elements. | | 2 | A conforming METS document will contain no more than one <amdSec> element. All <techMD>, <sourceMD>, <rightsMD> and <digiprovMD> elements will appear in this single <amdSec> element. | | 3 | If one or more <techMD> elements pertaining to image content files are present, they must contain <xmlData> of NISOIMG type conforming to the MIX schema. | | 4 | A <digiprovMD> may be created for each file group to record information about the migration/transformation of the files in the group subsequent to the original digitization to its current incarnation as a digital object. | | 5 | Each <digiprovMD> element must include an ID attribute. | | 6 | Digital provenance md include a local BCprovenance element wrapped in <mdWrap><xmlData> | |  |  | | | **fileSec**   |  |  | | --- | --- | | 1 | The <fileSec> of a conforming METS document must contain a <fileGrp> consisting of the files for the article and the supplementary materials. | | 2 | Each <fileGrp> represented in the <fileSec> must have an associated USE attribute. Supported <file>/<fileGrp> USE attribute values appear in the <controlled\_vocabularies> section of this document. | | 3 | Each <fileGrp> will have a VERSDATE for the file grouping | | 4 | Each <file> must have the following attributes: ID, MIMETYPE, GROUPID, and SEQUENCE. | | 5 | Each file may have the following attributes: CHECKSUM, CHECKSUMTYPE, SIZE | | | **structMap** | | |  |  | | --- | --- | | 1 | A conforming METS document may contain multiple <structMap> elements. | | 2 | A conforming <structMap> will include an ID attribute. | | 3 | A conforming <structMap> will include LABEL and TYPE attributes using terms from the controlled vocabularies section of this profile. | | 4 | Each <div> that corresponds to a descriptive metadata record will have a DMDID attribute that refers to the record. | | 5 | Each <div> will have a TYPE attribute as defined in the controlled vocabularies section of this document. | | 6 | Each <div> must include a LABEL attribute value. | | 7 | Each <div> will contain an ID attribute. (Note: The ID attribute will be generated by Digitool at the time of ingest and any existing ID attributes will be overwritten upon ingest. This makes referring to specific <div> elements in the structMap difficult, so a workaround is used in the <behaviorSec>) | | | **Digitool Ingest Instructions** | | The task chain should include (1) technical metadata extraction and (2) control section attribute assignment. | | In the parameters set, the value for any set of files that couldn’t be easily regenerated in a batch process should have the preservation\_level set to *critical*. Critical preservation items would include METS records, complex data, etc. | |