

UCSD Electronic Theses and Dissertations Profile

URI

[http://libraries.ucsd.edu/mets/profiles/UCSD Electronic Theses and Dissertations Profile](http://libraries.ucsd.edu/mets/profiles/UCSD%20Electronic%20Theses%20and%20Dissertations%20Profile)

Abstract

The UCSD Libraries uses this profile for Electronic Theses and Dissertations authored by UCSD students. The primary document, be it a thesis or dissertation, is contained in a PDF file. Associated, archival quality, files for still images (TIFF), sound recordings (WAV, AIF, MP3), and video recordings (AVI, MOV, MPEG2) may also be included in a METS record for electronic theses and dissertations. Structural relationships between the primary and associated files are not expressed in this profile.

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Contact Information

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Extension Schemas

Metadata Object Description Schema (MODS)

URI: <http://www.loc.gov/standards/mods/v3/mods-3-0.xsd>

Context: mets/dmdSec/mdWrap/xmlData

Note: Used for descriptive metadata representing the intellectual content of the thesis or dissertation.

PREMIS

URI: <http://www.loc.gov/standards/premis/PREMIS-v1-1.xsd>

Context: mets/amdSec/techMD/mdWrap/xmlData

Note: Used for technical metadata about content files.

METSRights

URI: <http://cosimo.stanford.edu/sdr/metsrights.xsd>
Context: mets/amdSec/rightsMD/mdWrap/xmlData
Note: Used for recording intellectual property rights.

Controlled Vocabularies

Name: UCSD/UCB file USE attribute values

Maintained by: University of California, San Diego

Description: These are the values supported for <file> and <fileGrp> USE attributes for digital objects conforming to this profile.

Element Context:

mets/fileSec/fileGrp/@USE

mets/fileSec/fileGrp/file/@USE

Values:

Application-PDF

Application-PS

Audio-Master

Audio-Master-Edited

Audio-Service

Audio-Streaming

Audio-Clip

Image-Master

Image-Master-Edited

Image-Service

Image-Service-LowRes

Image-Service-MedRes

Image-Service-HighRes

Image-Service-Edited

Image-Thumbnail

Text-OCR-Edited

Text-OCR-Unedited

Text-TEI-Translated

Text-TEI-Transcribed

Text-Georeference

Text-Data

Text-Data Definition

Text-Codebook

Video-Master

Video-Master-Edited

Video-Service

Video-Streaming

Video-Clip

Structural Requirements

METS Root Element

@metsRoot1

The root <mets> element must include a LABEL attribute value.

@metsRoot2

The root <mets> element must include a PROFILE attribute value.

@metsRoot3

The root <mets> element must include an OBJID attribute value that uniquely identifies the object in the UCSD digital repository.

METS Header

@metsHdr1

A METS record conforming to this profile must contain a <metsHdr> element.

@metsHdr2

The <metsHdr> element must contain the CREATEDATE attribute.

@metsHdr3

The <metsHdr> element must contain a <agent> with the ROLE attribute value "CREATOR" and a TYPE attribute value "ORGANIZATION".

@metsHdr4

The <metsHdr> must include a child <agent> element to identify the department and or staff person responsible for creating the METS record.

@metsHdr5

The <metsHdr> element should, but is not required to, contain a LASTMODDATE attribute reflecting the date of the last modification to the METS record.

Descriptive Metadata (dmdSec)

@dmdSec1

A METS record conforming to this profile must contain one or more <dmdSec> containing a <dmdWrap> with <xmlData>. The required dmdSec/dmdWrap/xmlData must contain elements from the Metadata Object Description Schema (MODS). Additional <dmdSec> elements are permitted. For each additional metadata schema a separate <dmdSec> should be used, and must contain <mdWrap> with <xmlData>. When adding elements from metadata schemas other than MODS (Dublin Core, VRA, FGDC, etc.) these should conform to standardized guidelines for the schema.

@dmdSec2

A conforming METS record must contain a /mods/titleInfo/title element.

@dmdSec3

A conforming METS record must contain a /mods/name/namePart element.

@dmdSec4

A conforming METS record must contain a /mods/typeOfResource element for which the value must be "text " or "mixed material". If only the primary pdf file is present, the value should be "text". When this primary file is accompanied by associated files, the value should be "mixed material".

@dmdSec5

A conforming METS record must contain a /mods/originInfo/dateCreated element.

@dmdSec6

A conforming METS record must contain a /mods/note element with the value constructed as follows: "[Thesis] ([degree]) -- UCSD, [date]."

@dmdSec7

A conforming METS record must contain a /mods/relatedItem/titleInfo/title element with the TYPE attribute encoded as "host". The value for the element should be as follows: "Dissertations, Academic. UCSD. [Subject]".

@dmdSec8

A conforming METS record must contain a /mods/identifier element with TYPE attribute encoded as "proquest". The value for the element should be the ProQuest number assigned to the object.

@dmdSec9

A conforming METS record must contain a /mods/location/physicalLocation with the value of UCSD Archives, Mandeville Special Collections Library, University of California, San Diego, La Jolla, CA. <http://orpheus.ucsd.edu/speccoll/>

@dmdSec10

A conforming METS record should, but is not required to, contain the following descriptive metadata elements when they are applicable: genre (/mods/genre), description (/mods/abstract/), subject (/mods/subject/...), language of the object (/mods/language).

Administrative Metadata (amdSec)**@amdSec1**

A METS record conforming to this profile must have an <amdSec> section. The <amdSec> section must contain at least one techMD/mdWrap/xmlData section and one rightsMD/mdWrap/xmlData section.

Technical Metadata (techMD)

@techMD1

The required <techMD> must contain elements from the PREMIS schema. A second <techMD> section may, but is not required to, be used if applicable for the format. If a second <techMD> is used for images, it should conform to the MIX Schema; if used for text, it should conform to the TextMD Schema; if used for audio or video, it should conform to an extension schema endorsed by the METS Editorial Board (although at this date of publication extension schemas have not yet been endorsed for audio or video).

@techMD2

The required techMD/mdWrap/xmlData should describe the primary (pdf) digital file.

@techMD3

The required techMD/mdWrap/xmlData must contain a /object/objectIdentifierType and /objectIdentifierValue element

@techMD4

The required techMD/mdWrap/xmlData must contain a /object/preservationLevel element. The value should be either "Full" or "Bit-level".

@techMD5

The required techMD/mdWrap/xmlData must contain a /object/objectCategory element. The value should be "File".

@techMD6

The required techMD/mdWrap/xmlData must contain a /object/objectCharacteristics/compositionLevel element. The value should be "0" for uncompressed files or "1" for files with one level of compression (e.g., zip or tar file).

@techMD7

The required techMD/mdWrap/xmlData must contain a /object/objectCharacteristics/fixity/messageDigestAlgorithm and /messageDigest element.

@techMD8

The required techMD/mdWrap/xmlData must contain a /object/objectCharacteristics/size element.

@techMD9

The required techMD/mdWrap/xmlData must contain a /object/objectCharacteristics/format/formatName element.

@techMD10

The required techMD/mdWrap/xmlData must contain a /object/creatingApplication/dateCreatedByApplication element.

@techMD11

A conforming METS record should, but is not required to, include the following PREMIS elements: <pre:storageMedium> (/object/storage/storageMedium), <pre:formatVersion> (/object/objectCharacteristics/formatVersion), <pre:creatingApplicationName> (/object/creatingApplication/creatingApplicationName, and <pre:originalName> (/object/originalName)

@techMD12

Source or provenance metadata pertaining to image content files expressed as MIX, can be included in a <techMD> section instead of a separate <sourceMD> section.

Rights Metadata (rightsMD)**@rightsMD1**

The required rightsMD/mdWrap/xmlData must contain elements from the METSRights schema.

@rightsMD2

A conforming METS record must include a <rts:RightsDeclarationMD> element with the RIGHTSCATEGORY attribute encoded as "COPYRIGHTED".

@rightsMD3

A conforming METS record must include a <rts:RightsDeclaration> from the METSRights Schema with the value expressed as "The work is copyrighted."

@rightsMD4

A conforming METS record must include a <rts:constraintDescription> containing an indication of how the digital asset can be used. See the UCSD Intellectual Rights Metadata Strategy for boilerplate text.

@rightsMD5

A conforming METS record must include a <rts:RightsHolderName> from the METSRights Schema. The value encoded is to be the name of the copyright holder; usually the author of the thesis or dissertation.

Source Metadata (sourceMD)

@sourceMD1

If source metadata is recorded, elements in the <sourceMD> sections should be expressed using an extension schema endorsed by the METS Editorial Board designed for expressing source metadata.

Digital Provenance Metadata (digiprovMD)

@digiprovMD1

If provenance metadata is recorded, elements in the <digiprovMD> sections should be expressed using an extension schema endorsed by the METS Editorial Board designed for expressing provenance metadata.

File Section (fileSec)

@fileSec1

The <fileSec> for a compliant UCSD ETD METS record must contain one <fileGrp> for the primary PDF.

@fileSec2

The <fileGrp> must reference a file with the MIMETYPE of application/pdf.

@fileSec3

The <fileSec> for a compliant UCSD ETD METS record may contain only one additional <fileGrp> for one or more files associated with the primary PDF file. For example, the <fileSec> of an UCSD ETD METS record consisting of a PDF plus one sound recording would contain one <fileGrp> representing the primary PDF and another <fileGrp> representing the sound recording. No sequential relationship (using the SEQ attribute) for these files need be expressed.

@fileSec4

The additional <fileGrp> may only reference files with MIMETYPE of TIFF, MPEG, WAV, AIF, MOV or AVI.

@fileSec5

Each <fileGrp> must include a file USE attribute representing the intended use of the referenced file(s).

@fileSec6

Each <file> element must reference pertinent <techMD> sections by including the relevant ID values in the ADMID attribute. The AMDID attribute should also reference

pertinent <sourceMD> and <provenanceMD> elements, if present. The <file> element should only reference ID values at the levels of <techMD>, <sourceMD>, and <digiprovMD>.

Structural Map (structMap)

@structMap1

A conforming METS record must contain only one <structMap> element.

@structMap2

The <structMap> element must contain a TYPE attribute encoded with the value "physical."

@structMap3

Each <div> must include a LABEL attribute value. The value used for the LABEL attribute may be a formal title or it may be a generic and automatically provided title based on the MIMETYPE of the reference file. Thus, the generic LABEL for a TIFF would be "Associated Still Image," the generic LABEL for a MPEG would be "Associated Sound Recording," and the generic LABEL for an AVI would be "Associated Video Recording".

@structMap4

The <div> element must reference pertinent <dmdSec> sections by including the relevant ID values in the DMDID attribute.

@structMap5

The <div> element must reference pertinent <rightsMD> sections by including the relevant ID values in the AMDID attribute.

@structMap6

The <div> element must contain one or more <fptr> elements, each of which references an individual <file> element representing a file.

@structMap7

The <fptr> element must use the FILEID attribute to point directly to a <file> element.

@structMap8

The <fptr> element may not contain an <area>, <par>, or <seq> element. These elements are not supported in objects conforming to this profile.

@structMap9

The <mptr> element is not supported in this profile.

Structural Linking (structLink)

@structLink1

This profile stipulates no requirements for the <structLink> element.

Behavior Section (behaviorSec)

@behaviorSec1

This profile stipulates no requirements for the <behaviorSec> element.

Multi Section (multiSection)

@multi1

Only <file> elements will reference elements in the <techMD>, <sourceMD>, and <digiprovMD> sections.

@multi2

Only the <div> element will reference metadata in the <dmdSec> and <rightsMD> sections. That is, descriptive metadata and rights metadata are always and only expressed in conjunction with division of the <structMap> and not in conjunction with the content file.

Technical Requirements

Content Files

This profile supports only PDF files and associated TIFF, WAV, AIF, MP3, MOV, MPEG2 and AVI files.

Behavior Files

The profile does not prescribe association to any behaviors.

Metadata Files

The profile does not prescribe referencing of external metadata records. If an external metadata record is referenced, it is recommended that the file be valid for the schema in which it is written, i.e., that it be a valid MARC record.

Tools

No tools are associated with this profile