

National Digital Newspaper Program

2018 Digital Asset Metadata Elements - Dictionary

NOTES:

- Metadata elements below are described by original object. Elements may appear in more than one digital object per NDNP specifications. Mandatory (and mandatory if available) elements are marked as “M” (or “MA”) and appear in red.

| Data Description | Data Type | Example | Notes | Repeatable R= repeatable NR = non-repeatable | Mandatory M=mandatory MA=mandatory, if available O=optional | Xpath (see XML templates) and/or Data location |
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| General Information | | | | | | |
| Awardee Name | String | New York Public Library | Name of institution that received the NEH award | NR | M | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/metsHdr/mets:agent/mets:name mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/metsHdr/mets:agent/mets:name |
| Award Year | enumeration | 2018 | Year of NEH award under which the digitization of this content was funded | NR | M | Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/batchHdr/batch:agent/batch:awardYear |
| Original Source Repository | String | Multiple examples: Library of Congress; Washington, DC or | Owner of original source that was digitized (micro-film or paper) ; city and state postal abbreviation | NR | M | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:location/mods:physicalLocation/@displayLabel mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdW |

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| | | New York Public Library; New York, NY | | | | rap/mets:xmlData/mods:mods/mods:relatedItem/mods:location/mods:physicalLocation/@displayLabel |
| Original Source Repository Code | enumeration | dlc | Normalized MARC organization code of owner of source. See http://www.loc.gov/marc/organizations/org-search.php for more information and code list. | NR | MA | <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:location/mods:physicalLocation</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:location/mods:physicalLocation</p> |
| Digital Responsible Institution | String | <p>Multiple examples:</p> <p>Library of Congress; Washington, DC</p> <p>or</p> <p>Library of Virginia; Richmond, VA</p> | Awardee institution; city and state postal abbreviation | NR | M | <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note[@type="agency ResponsibleForReproduction"]/@displayLabel</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note/@displayLabel</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note/@displayLabel</p> <p>TIFF: ImageProducer</p> <p>PDF: rdf:Description/dc:description/</p> |

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| | | | | | | <p>rdf:Alt/rdf:li JPEG2000: rdf:Description/ dc:description/ rdf:Alt/rdf:li</p> |
| <p>Digital Responsible Institution Code</p> | enumeration | <p>Multiple examples: dlc oru vi</p> | <p>Normalized MARC organization code of Awardee. See http://www.loc.gov/marc/organizations/org-search.php .</p> | NR | MA | <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note[@type="agency ResponsibleForReproduction"]</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note</p> <p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/batchHdr/batch:agent/batch:awardee</p> |
| <p>Batch name Sample</p> | String | batch_dlc_2018sample | <p>For initial sample batch, use this naming structure:</p> <p>batch_[MARC organization code*]_[year of award]sample</p> <p>For production batches, use this naming structure: batch_[MARC</p> | NR | M | <p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/batchHdr/batch:agent/batch:name</p> |
| <p>Batch name Production</p> | String | batch_dlc_apple | <p>batch_[MARC</p> | | | |

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| | | | <p>organization code*]_[keyword**].</p> <p>*For MARC Organization code, see http://www.loc.gov/marc/organizations/org-search.php.</p> <p>** Batch keywords are unique within the deliveries of a given awardee throughout their program participation. Keywords (in alpha order for a given grant period) are selected by awardees. NOTE: All batch names must be lower-case. (batch _[orgcode]_[keyword]. Only 2 underscores are permitted per batch name (e.g., batch_dlc_thomasjefferson)</p> | | | |
| Title Information | | | | | | |
| LCCN | string | sn83031150 or 2007123234 | Use canonical (normalized) form of LCCN for associated title bibliographic description. See | NR | M | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:identifier/@type |

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| | | | http://www.loc.gov/marc/lccn-namespace.html | | | <p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/newspapertitle:lccn</p> <p>Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/issue:lccn</p> <p>PDF: rdf:Description/dc:description/rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description</p> <p>JPEG2000: rdf:Description/ dc:description/ rdf:Alt/rdf:li</p> |
| Title | string | <p>Multiple examples:</p> <p>The national forum. (Washington, D.C.)</p> <p>The Weekly roundabout. (Frankfort, Ky.)</p> <p>The Irish standard. (Minneapolis, Minn. ; St. Paul, Minn.)</p> | <p>Combine MARC 245\$a and (260\$a)</p> <p>Or</p> <p>Combine MARC 245\$a and (264\$a) [for RDA records]</p> <p>Or</p> <p>MARC 130\$a</p> <p>(Use of the MARC 130 field is permitted only if the field is present and well-formed.)</p> <p>(If multiple MARC 260\$a fields are present, include all within parentheses and separate</p> | NR | M | <p>PDF: rdf:Description/dc:title/ rdf:Alt/rdf:li</p> <p>PDF: rdf:Description/dc:description/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:title/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:description/ rdf:Alt/rdf:li</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]@L ABEL</p> |

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| | | | each with a space.) | | | |
| Volume Number | string | 27 | Following SICI standard: (1.) All numeric information shall be converted to Arabic numerals. (2) Alphabetic data used as enumeration designations shall be transcribed as they appear on the piece, and converted to uppercase. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="volume"]/mods:number |
| Edition Order | positive integer | Multiple examples: 1 2 3 | Default is 1. If more than one edition on this date, number in chronological order. | NR | M | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="edition"]/mods:number Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/issue:editionOrder JPEG2000: rdf:Description |
| Edition Label | string | Multiple examples: Late City Final Two Stars (Final Edition) Extra | If present, record as printed. (If not present, do not generate.) If symbol is used to indicate edition label (e.g., two stars), describe the visual symbols and the meaning of those symbols in parentheses (i.e. if 2 stars are used to represent Final Edition, | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="edition"]/mods:caption mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]@LABEL |

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| | | | then Field value should be "Two Stars (Final Edition)".) | | | |
| Issue Number | string | 3 | Following SICI standard: (1.) All numeric information shall be converted to Arabic numerals. (2) Alphabetic data used as enumeration designations shall be transcribed as they appear on the piece, and converted to uppercase. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:xmlData/mods:mods/mods:relatedItem/mods:part/mods:detail[@type="issue"]/mods:number |
| Issue Date | date | 1908-03-21 | Actual date issued, corrected if necessary. Use this particular ISO 8601 style: YYYY-MM-DD. | NR | M | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:originInfo/mods:dateIssued Xml:xml[@TYPE="urn:library-of-congress:ndnp:batch"]/issue:issueDate PDF: rdf:Description/dc:title/ rdf:Alt/rdf:li PDF: rdf:Description/dc:description/ rdf:Alt/rdf:li JPEG2000: rdf:Description JPEG2000: rdf:Description/dc:title/ rdf:Alt/rdf:li JPEG2000: rdf:Description/dc:date/ rdf:Seq/rdf:li mets:mets[@TYPE="urn:library-of- |

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| | | | | | | congress:ndnp:mets:newspaper:issue"]@L ABEL |
| Issue Present Indicator | string | Not digitized, published | Valid values are: Present; Not digitized, published; Not digitized, not published; Not digitized, publishing unknown. (Note: "Present" means Published and digitized). | NR | M | mets:mets[@TYPE="urn:library-of- congress:ndnp:mets:newspaper:issue"]/me ts:dmdSec[@ID="issueModsBib"]/mets:md Wrap/mets:xmlData/mods:mods/mods:note |
| Issue Present Comment | string | No issue published due to weather. | To record any additional known information indicated in film on missing issues. | NR | O | mets:mets[@TYPE="urn:library-of- congress:ndnp:mets:newspaper:issue"]/me ts:dmdSec[@ID="issueModsBib"]/mets:md Wrap/mets:xmlData/mods:mods/mods:note /@displayLabel |
| Issue Date As Labeled | date | 1908-03-21 | If date printed was in error (not the date issued), this field reflects the incorrect date as printed. Include this field only if date printed was in error. Use this particular ISO 8601 style: YYYY-MM-DD. | R | MA | mets:mets[@TYPE="urn:library-of- congress:ndnp:mets:newspaper:issue"]/me ts:dmdSec[@ID="issueModsBib"]/mets:md Wrap/mets:xmlData/mods:mods/mods:origi nInfo/mods:dateIssued[@qualifier="questio nable"] |
| Page Information | | | | | | |
| Section Label | string | B | If present, record as printed, to reflect logical Section navigation. (If | NR | O | mets:mets[@TYPE="urn:library-of- congress:ndnp:mets:newspaper:issue"]/me ts:dmdSec[@ID="sectionModsBib1"]/mets: |

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| | | | not present, do not generate.) Could be blank, “C,” “IV,” “3,” “Business,” etc. If more than one Section heading per page, record dominant heading or combine headings (limit to approx. 6 words). | | | mdWrap/mets:xmlData/mods:mods/mods:part/mods:detail[@type=“section label”]/mods:number |
| Page Sequence Number | positive integer | 13 | This orders the pages within an issue, regardless of printed page number. See Page Number field below. This field is particularly useful for multi-section titles. | NR | M | mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:newspaper:issue”]/mets:dmdSec[@ID=“pageModsBib1”]/mets:mdWrap/mets:xmlData/mods:mods/mods:part/mods:extent[@unit=“pages”]/mods:start JPEG2000: rdf:Description |
| Page Number | string | B3 | Exactly as printed. If not printed, element should be omitted. If not used, element should be omitted. | NR | O | mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:newspaper:issue”]/mets:dmdSec[@ID=“pageModsBib1”]/mets:mdWrap/mets:xmlData/mods:mods/mods:part/mods:detail[@type=“page number”]/mods:number PDF: rdf:Description/dc:title/ rdf:Alt/rdf:li JPEG2000: rdf:Description/dc:title/ rdf:Alt/rdf:li |
| Page Physical Description | string | microfilm | Valid values: microfilm, microfiche, print. | NR | M | mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:newspaper:issue”]/mets:dmdSec[@ID=“pageModsBib1”]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type=“original”]/mods:physicalDescription/mods:form TIFF: FileSource (See NDNP TIFF profile |

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| | | | | | | for more information on acceptable values.) |
| Page Present Indicator | string | Present | Valid values are: Present; Not digitized, published; Not digitized, not published; Not digitized, publishing unknown. Note: "Present" means Published and digitized. | NR | M | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:m dWrap/mets:xmlData/mods:mods/mods:note[@type="noteAboutReproduction"] |
| Page Present Comment | string | Best copy available | To record any additional known information indicated in film. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:m dWrap/mets:xmlData/mods:mods/mods:note[@type="noteAboutReproduction"]/@displayLabel |
| Reel Information | | | | | | |
| Reel Number | string | 375892205698 | Reel number to correspond with LC barcode supplied for all duplicate microfilm reels deposited with LC. --Not mandatory if page is missing (even if page is represented by a target). | NR | MA | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:m dWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:identifier[@type="reel number"] mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:m dWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:identifier[@type="reel number"] Xml:xml[@TYPE="urn:library-of- |

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| | | | | | | <p>congress:ndnp:batch"]/reel:reelnumber</p> <p>TIFF: Document Name</p> <p>PDF: rdf:Description/dc:identifier/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:identifier/ rdf:Alt/rdf:li</p> |
| Reel Sequence Number | positive integer | 1 | This orders the records within a reel . Indicate position of the image within the microfilm reel sequence. | NR | MA | <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:identifier[@type="reel sequence number"]</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:identifier[@type="reel sequence number"]</p> <p>TIFF: ImageUniqueID</p> <p>PDF: rdf:Description/dc:identifier/ rdf:Alt/rdf:li</p> <p>JPEG2000: rdf:Description/ dc:identifier/ rdf:Alt/rdf:li</p> |
| Object Format | string | Microfilm | Valid value (currently): Microfilm | NR | M | <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:physicalDescription</p> <p>TIFF: FileSource (See NDNF TIFF profile for more information on acceptable values.)</p> |
| Tech Target | string | Preservation | Valid value (currently): | NR | M | mets:mets[@TYPE="urn:library-of- |

| Label | | Microfilm Scanner Target PMT1 | Preservation Microfilm Scanner Target PMT1 | | | congress:ndnp:mets:microfilmReel"]/mets:mdSec[@ID="techTargetModsbib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:titleInfo/mods:title |
|------------------|--------|--|--|----|---|---|
| Titles (on Reel) | string | <p>Multiple examples:</p> <p>The national forum. (Washington, D.C.)</p> <p>The Weekly roundabout. (Frankfort, Ky.)</p> <p>The Irish standard. (Minneapolis, Minn. ; St. Paul, Minn.)</p> | <p>Combine MARC 245\$a and (260\$a)</p> <p>Or</p> <p>Combine MARC 245\$a and (264\$a) [for RDA records]</p> <p>Or</p> <p>MARC 130\$a. (Use of the MARC 130 field is permitted only if the field is present and well-formed.)</p> <p>(If multiple MARC 260\$a fields are present, include all within parentheses and separate each with a space.)</p> <p>Use title that corresponds to the folder in which the reel XML file resides. Make note of multiple titles in "comments" element (below).</p> | NR | O | <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:titles</p> |

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| Start Date | date | 1881-11-22 | Use this particular ISO 8601 style: YYYY-MM-DD. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:startDate |
| End Date | date | 1881-11-16 | Use this particular ISO 8601 style: YYYY-MM-DD. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:endDate |
| Position | string | 2a | 1a, 2a, 1b, 2b | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:position TIFF: Orientation |
| Reduction Ratio | string | 20x | If stated, transcribe. If not stated, estimate. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:reductionRatio |
| Capture Resolution Original | string | 300 | Resolution relative to original material, measured in pixels/inch (or mm.). | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:captureResolutionOriginal |
| Capture Resolution Film | string | 6000 | Resolution relative to microfilm, measured in pixels/inch (or mm.). Capture Resolution Film = Reduction Ratio x Capture Resolution_Original. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:captureResolutionFilm |
| Guide To Contents Present | boolean | true | Valid values are "true" for present; "false" for | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:a |

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| Flag | | | missing. | | | mdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:guideToContentsPresentFlag |
| Guide To Contents String | string | Title established April 30... | If present, transcribe text from Guide to Contents, as it appears on film | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:guideToContentsString |
| Date Microfilm Created | string | 1986 | Date of microfilm creation | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dateMicrofilmCreated |
| Loose Leaves Flag | boolean | false | For original material; Valid values: true, false | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:looseLeavesFlag |
| Bound Volume Flag | boolean | true | For original material; Valid values: true, false | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:boundVolumeFlag |
| Comments | string | | Any general comments regarding the reel, duplication process, or content, etc. If listing multiple titles on the reel, include associated LCCNs and date spans of each title. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:comments |
| Dimensions | string | 17x23 in. | From original materials, if possible, or from N.W. Ayer & Son. N.W. Ayer & Son's American Newspaper Annual. Philadelphia : N.W. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dimensions |

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| | | | Ayer and Son, 1880-1909, or other sources. | | | |
| Pages Per Issue | positive integer | 4 | Estimate from microfilm, or from N.W. Ayer & Son. N.W. Ayer & Son's American Newspaper Annual. Philadelphia : N.W. Ayer and Son, 1880-1909, or other sources. See http://www.loc.gov/rr/news_research_tools/ayersdirectory.html | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:pagesPerIssue |
| Number Of Resolution Targets | positive integer | 2 | Refers to microfilming resolution targets. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:numberOfResolutionTargets |
| Resolution Of Master | floating point number | 7.1 | Resolution of original camera master microfilm. Record actual number from line-pair resolution test pattern on film, if available. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionOfMaster |
| Resolution Of Master: Comments | string | | Any comments relating to the resolution of the camera master microfilm | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionCommentMaster |
| Density Reading Master | floating point number | 0.91 | Ten readings per reel. | R | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:densityReadingMaster |

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|--|-----------------------|----------|--|----|---|--|
| Average Density Master | floating point number | 0.95 | The average density of the camera master microfilm | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:averageDensityMaster |
| Dmin Master | floating point number | 0.2 | The minimum density point on the camera master microfilm | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dminMaster |
| Resolution Of Duplicate Negative | floating point number | 6.3 | Resolution of the duplicate negative used for digitization. Record actual number from line-pair resolution test pattern on film, if available. | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionOfDuplicateNegative |
| Resolution Of Duplicate Negative: Comments | string | Weak 7.1 | Any comments relating to the resolution of the duplicate negative used for digitization | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionCommentDuplicateNegative |
| Density Reading Duplicate Negative | floating point number | 1.14 | Ten readings per reel. | R | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:densityReadingDuplicateNegative |
| Average Density Duplicate Negative | floating point number | 1.1 | The average density of duplicate master negative used for digitization | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:averageDensityDuplicateNegative |
| Dmin Duplicate Negative | floating point number | 0.15 | The minimum density point on the duplicate negative used for digitization | NR | O | mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dminDuplicateNegative |