

National Digital Newspaper Program

Digital Asset Metadata Elements - Dictionary

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)
GENERAL INFORMATION						
Awardee	string	New York Public Library	If NEH awardee (or vendor for NEH awardee) created the METS record, should be NEH awardee name.	NR	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/metsHdr/mets:agent/mets:name
Source Repository	string	Multiple examples: Library of Congress; Washington, DC or New York Public Library; New York, NY	Owner of source that was digitized; 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 ~or~ 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/@displayLabel

Source Repository Code	enumeration	DLC	MARC organization code of owner of source.	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>~or~</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; 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="agencyResponsibleForReproduction"]/@displayLabel</p> <p>~or~</p> <p>mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib1"]/mets:mdWrap/m</p>

						ets:xmlData/mods:mods/mods:note/@displayLabel ~or~ mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsbib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note/@displayLabel
Digital Responsible Institution Code	enumeration	DLC	MARC organization code of Awardee.	NR	MA	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="pageModsbib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note[@type="agencyResponsibleForReproduction"] ~or~ mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsbib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note ~or~ mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="targetModsbib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:note

ISSUE INFORMATION

LCCN	string	sn83031150	Use canonical form of LCCN for associated title bibliographic description. See http://www.loc.gov/marc/lccn-namespace.html	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
Volume Number	string	27	Following SICI standard: (1.) All numeric information shall be converted to arabic numbers. (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	1	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
Edition Label	string	Multiple examples: Late City Final Two Stars (Final Edition)	If present, as printed. If symbol is used to indicate edition label (e.g., two stars), describe the visual symbols and the meaning of those symbols in	NR	MA	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

		Extra	parentheses (i.e. if 2 stars are used to represent Final Edition, then Field value should be "Two Stars (Final Edition)".)			dItem/mods:part/mods:detail[@type="edition"]/mods:caption
Issue Number	string	3	Following SICI standard: (1.) All numeric information shall be converted to arabic numbers. (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
Issue Present Indicator	string	Not digitized, published	Valid values are: Present; Not digitized, published; Not digitized, not published; Not digitized, publishing unknown. Note: Present (meaning Published and digitized).	NR	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModsBib"]/mets:mdWrap/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	NR	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:i

			missing issues.			ssue”]/mets:dmdSec[@ID=“issu eModsBib”]/mets:mdWrap/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.	NR	MA	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:newspaper:i ssue”]/mets:dmdSec[@ID=“issu eModsBib”]/mets:mdWrap/mets: xmlData/mods:mods/mods:origi nInfo/mods:dateIssued[@qualifi er=“questionable”]
PAGE INFORMATION						
Section Label	string	B	If present, as printed. Could be blank, “C,” “IV,” “3,” “Business,” etc.	NR	MA	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:newspaper:i ssue”]/mets:dmdSec[@ID=“secti onModsBib1”]/mets:mdWrap/m ets:xmlData/mods:mods/mods:p art/mods:detail[@type=“section label”]/mods:number
Page Sequence Number	positive integer	13	This orders the records for page records 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:i ssue”]/mets:dmdSec[@ID=“pag eModsBib1”]/mets:mdWrap/met s:xmlData/mods:mods/mods:part /mods:extent[@unit=“pages”]/m ods:start
Page Number	string	B3	Exactly as printed.	NR	MA	mets:mets[@TYPE=“urn:library -of-

						congress:ndnp:mets:newspaper:i ssue”]/mets:dmdSec[@ID=“pag eModsBib1”]/mets:mdWrap/met s:xmlData/mods:mods/mods:part /mods:detail[@type=“page number”]/mods:number
Page Physical Description	string	microfilm	Valid values: microfilm, microfiche, print.	NR	M	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:newspaper:i ssue”]/mets:dmdSec[@ID=“pag eModsBib1”]/mets:mdWrap/met s:xmlData/mods:mods/mods:rela tedItem[@type=“original”]/mod s:physicalDescription/mods:form
Page Present Indicator	string	Present (Published and digitized)	Valid values are: Present; Not digitized, published; Not digitized, not published; Not digitized, publishing unknown. Note: Present (meaning Published and digitized).	NR	M	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:newspaper:i ssue”]/mets:dmdSec[@ID=“pag eModsBib1”]/mets:mdWrap/met s:xmlData/mods:mods/mods:note e[@type=“noteAboutReproducti on”]
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:i ssue”]/mets:dmdSec[@ID=“pag eModsBib1”]/mets:mdWrap/met s:xmlData/mods:mods/mods:note e[@type=“noteAboutReproducti on”]/@displayLabel
REEL INFORMATION						
Reel Number	string	375892205698	Reel number to	NR	MA	mets:mets[@TYPE=“urn:library

			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).			-of- congress:ndnp:mets:newspaper:issue"/mets:dmdSec[@ID="pageModsBib1"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem[@type="original"]/mods:identifier[@type="reel number"] ~or~ 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 number"]
Reel Sequence Number	positive integer	1	This orders the records within a reel . Indicate position of the image on the microfilm reel. In the case of two-up microfilming, each frame contains 2 images, and each image has its own reel sequence number, in left-right reading order. In the case of orientation-shift within the reel, continue to order the images in left-right reading order.	NR	MA	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"] ~or~ mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:re

						latedItem/mods:identifier[@type="reel sequence number"]
Object Format	string	Microfilm	Valid value (currently): Microfilm	NR	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/mods:physicalDescription
Tech Target Label	string	ISO 16067 Calibrated Target	Describe target scanned (calibration targets scanned at NDNP request or targets already extant in microfilm)	NR		mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:dmdSec[@ID="techTargetModsBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:titleInfo/mods:title
Titles (on Reel)	string	National Forum Washington Evening Times	MARC 130, if present. Otherwise use MARC 245 \$a. List multiple titles in repeating fields.	R	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:titles
Start Date	date	1881-11-22	Use this particular ISO 8601 style: YYYY-MM-DD.	NR	M	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-	NR	M	mets:mets[@TYPE="urn:library-of-

			DD.			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	M	mets:mets[@TYPE=”urn:library-of-congress:ndnp:mets:microfilmReel”]/mets:amdSec/techMD[@ID=”reelTechMD”]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:position
Reduction Ratio	string	20x	If stated, transcribe. If not stated, estimate.	NR	M	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	M	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	M	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 Flag	boolean	true	Valid values are “true” for present; “false” for missing.	NR	M	mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:microfilmReel”]/mets:amdSec/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	M	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	M	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	M	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			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. Ayer and Son, 1880-1909.	NR	M	mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:microfilmReel”]/mets:amdSec/techMD[@ID=”reelTechMD”]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dimensions
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. See http://www.loc.gov/rr/news/news_research_tools/ayersdirectory.html	NR	M	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	5		NR	M	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	MA	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:resolutionOfMaster
Resolution Comment Master	string			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	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:densityReadingMaster
Average Density Master	floating point number	0.95		NR	M	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		NR	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/mets:xmlData/ndnp:reelTechMD/ndnp:dminMaster

						el”]/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	MA	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:microfilmReel”]/mets:amdSec/techMD[@ID= =”reelTechMD”]/mets:mdWrap/ mets:xmlData/ndnp:reelTechMD /ndnp:resolutionOfDuplicateNegative
Resolution Comment Duplicate Negative	string	Weak 7.1		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	M	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		NR	M	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:microfilmReel”]/mets:amdSec/techMD[@ID= =”reelTechMD”]/mets:mdWrap/

						mets:xmlData/ndnp:reelTechMD /ndnp:averageDensityDuplicate Negative
Dmin Duplicate Negative	floating point number	0.15		NR	M	mets:mets[@TYPE="urn:library -of- congress:ndnp:mets:microfilmRe el"]/mets:amdSec/techMD[@ID ="reelTechMD"]/mets:mdWrap/ mets:xmlData/ndnp:reelTechMD /ndnp:dminDuplicateNegative