

## National Digital Newspaper Program

### 2009 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)
<b>GENERAL INFORMATION</b>						
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
AwardYear	enumeration	2005	Year of NEH award under which the digitization of this content was funded. Valid values are: 2005 2007 2008 2009	NR	M	
Source Repository	string	Multiple examples:  Library of Congress; Washington, DC  or  New York Public Library; New	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~

		York, NY				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	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 ~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
Digital Responsible Institution	string	Multiple examples:  Library of Congress; Washington, DC  or	Awardee; 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:note[@type="agency

		Library of Virginia; Richmond, VA				ResponsibleForReproduction”]/@displayLabel ~or~ mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:microfilmReel”]/mets:dmdSec[@ID=“techTargetModsBib”]/mets:mdWrap/mets: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	Multiple examples: DLC or Vi	MARC organization code of Awardee. See <a href="http://www.loc.gov/marc/organizations/org-search.php">http://www.loc.gov/marc/organizations/org-search.php</a> .	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=“techTargetModsBib”]/mets:mdWrap/mets:xmlData/mods:mods/mods:n

						ote ~or~ mets:mets[@TYPE="urn:library -of- congress:ndnp:mets:microfilmRe el"]/mets:dmdSec[@ID="target ModsBib1"]/mets:mdWrap/mets :xmlData/mods:mods/ mods:note
<b>ISSUE INFORMATION</b>						
LCCN	string	sn83031150	Use canonical form of LCCN for associated title bibliographic description. See <a href="http://www.loc.gov/marc/lccn-namespace.html">http://www.loc.gov/marc/lccn-namespace.html</a>	NR	M	mets:mets[@TYPE="urn:library -of- congress:ndnp:mets:newspaper:i ssue"]/mets:dmdSec[@ID="issu eModsBib"]/mets:mdWrap/mets: xmlData/mods:mods/mods:relate dItem/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:i ssue"]/mets:dmdSec[@ID="issu eModsBib"]/mets:mdWrap/mets: xmlData/mods:mods/mods:relate dItem/mods:part/mods:detail[@t ype="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:i ssue"]/mets:dmdSec[@ID="issu eModsBib"]/mets:mdWrap/mets: xmlData/mods:mods/mods:relate

						dItem/mods:part/mods:detail[@type="edition"]/mods:number
Edition Label	string	Multiple examples: Late City Final  Two Stars (Final Edition)  Extra	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 parentheses (i.e. if 2 stars are used to represent Final Edition, then Field value should be "Two Stars (Final Edition)".)	NR	MA	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:issue"]/mets:dmdSec[@ID="issueModBib"]/mets:mdWrap/mets:xmlData/mods:mods/mods:relatedItem/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="issueModBib"]/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="issueModBib"]/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	NR	M	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:newspaper:i

			published; Not digitized, publishing unknown.  Note: Present (meaning Published and digitized).			ssue”]/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 missing issues.	NR	O	mets:mets[@TYPE=“urn:library-of-congress:ndnp:mets:newspaper:issue”]/mets:dmdSec[@ID=“issueModsBib”]/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:issue”]/mets:dmdSec[@ID=“issueModsBib”]/mets:mdWrap/mets:xmlData/mods:mods/mods:originInfo/mods:dateIssued[@qualifier=“questionable”]
<b>PAGE INFORMATION</b>						
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:issue”]/mets:dmdSec[@ID=“sectionModsBib1”]/mets:mdWrap/mets:xmlData/mods:mods/mods:part/mods:detail[@type=“section label”]/mods:number
Page Sequence Number	positive integer	13	This orders the records for page records within an	NR	M	mets:mets[@TYPE=“urn:library-of-

			issue, regardless of printed page number. See Page Number field below. This field is particularly useful for multi-section titles. "			congress:ndnp:mets:newspaper:issue"/mets:dmdSec[@ID="pageModsBib1"/mets:mdWrap/mets:xmlData/mods:mods/mods:part/mods:extent[@unit="pages"]/mods:start
Page Number	string	B3	Exactly as printed.	NR	MA	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
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
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:issue"/mets:dmdSec[@ID="pageModsBib1"/mets:mdWrap/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:i

						ssue”]/mets:dmdSec[@ID=“pageModsBib1”]/mets:mdWrap/mets:xmlData/mods:mods/mods:note[@type=“noteAboutReproduction”]/@displayLabel
<b>REEL INFORMATION</b>						
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: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 <b>within a reel</b> . 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	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



			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.			sequence 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 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	35mm Grayscale Preservation Microfilm Target	Describe target scanned (calibration targets scanned at NDNP request or targets already extant in microfilm)	NR	M	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	O	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	NR	O	mets:mets[@TYPE=“urn:library

			8601 style: YYYY-MM-DD.			-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
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 Flag	boolean	true	Valid values are "true" for present; "false" for missing.	NR	O	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	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

						el”]/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:microfilmRe el”]/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:microfilmRe el”]/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	O	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:microfilmRe el”]/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 <a href="http://www.loc.gov/rr/ne">http://www.loc.gov/rr/ne</a>	NR	O	mets:mets[@TYPE=“urn:library -of- congress:ndnp:mets:microfilmRe el”]/mets:amdSec/techMD[@ID =’reelTechMD’]/mets:mdWrap/ mets:xmlData/ndnp:reelTechMD /ndnp:pagesPerIssue

			<a href="http://www.ws/news_research_tools/ayersdirectory.html">ws/news_research_tools/ayersdirectory.html</a>			
Number Of Resolution Targets	positive integer	3		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 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	O	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	0.95		NR	O	mets:mets[@TYPE="urn:library-of-

	number					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	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 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	O	mets:mets[@TYPE="urn:library-of-congress:ndnp:mets:microfilmReel"]/mets:amdSec/techMD[@ID="reelTechMD"]/mets:mdWrap/

						mets:xmlData/ndnp:reelTechMD /ndnp:densityReadingDuplicate Negative
Average Density Duplicate Negative	floating point number	1.1		NR	O	mets:mets[@TYPE="urn:library -of- congress:ndnp:mets:microfilmRe el"]/mets:amdSec/techMD[@ID ="reelTechMD"]/mets:mdWrap/ mets:xmlData/ndnp:reelTechMD /ndnp:averageDensityDuplicate Negative
Dmin Duplicate Negative	floating point number	0.15		NR	O	mets:mets[@TYPE="urn:library -of- congress:ndnp:mets:microfilmRe el"]/mets:amdSec/techMD[@ID ="reelTechMD"]/mets:mdWrap/ mets:xmlData/ndnp:reelTechMD /ndnp:dminDuplicateNegative