

Descriptive Metadata

Schema: MODS 3.0. NB: In the interest of brevity, standard attributes (lang, etc.script, etc. are not used in this spreadsheet. #####												
NOTE TO YANG: Please amend Object Architecture (content model) terms list to: Moving image; Sound recording; Graphic; Text; Three-dimensional object; Interactive resource.												
6/10/07 changes indicated by Tracked Changes (blue triangles). Red triangles indicate comment, clarification, or deletion.												
Element	Attribute	Sub-element	Attribute	Sub-element	Attribute	Mandatory / Optional / V 2.0	Repeat?	Controlled vocabulary	Usage	Version	Date	New to MIC
mods:titleInfo												
	type					O	Y	uniform; alternative; translated	Uniform title is labeled "citation title" in the catalog.			
	authority							naf	Reserve for use with established authority records, whether within MIC or IFLA/LC			
	xlink					V2.0			Reserve for use with established authority records, whether within MIC or IFLA/LC			
	ID					V2.0			Uniform titles will have system-assigned ID's, to support contribution to authority files in version 2.			
		mods:title				M	Y					
		mods:subTitle				V 2.0						
		mods:partNumber				V 2.0						
		mods:partName				V 2.0						
		mods:nonSort										y
mods:name						O	Y					
	type					O	Y	<blank>; personal; corporate; conference				
	authority					M		naf	We will create an "agents" authority file in version 3. MM should be notified whenever a name is added.			
	xlink					v 2.0			We will ultimately use to link to LCNAF and Agents, in v. 2 or 3			
	ID					v 2.0			IDs will be assigned to all authorized headings in a later version.			
		mods:namePart				O						

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			type			O	Y	date, family, given; terms of address	See List for termsOfAddress			
		mods:displayForm				O	N					
		mods:affiliation				O	N		Use for Collection owner, Catalog record annotator.			
		mods:role							Remove 'Available term authority' label.			
				mods:roleTerm	type	O	N	text;code	Use "text" as the default			
					authority			marcrelator; csbamic	See CVs			Y
mods:typeOfResource						M	Y	moving image; sound recording; sound recording-musical; sound recording-nonmusical; still image; text; cartographic; notated music; three dimensional object; software, multimedia; mixed material	Do not use the attribute value "manuscript." If we use the attribute value, "collection," we should not use collection as typeOfResource except for collections of mixed materials. We should use attributes <blank>, collection, with <blank> as the default.			
mods:genre						O	Y	SEE CVs	Change label to 'Genre/Form.'			
	authority							GEM; MIC; MIGFG-genre; MIGFG-form; MIM; PBCore; RADFG; Tribune Sports (Tivo); MIC-Ancillary				y

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mods:originInfo		mods:edition				O	N		Use for transcribed edition statement; equivalent to MARC 250 \$a. Cataloger-supplied version statements equivalent to 562 \$c go in <note> with type="expression or version"			
mods:language						O	Y		in v.2, consider using the mpeg7 language data element as an extension schema, as the MIC METS profile does. It will be much more useful for moving images, particularly RUTV-level moving images.			
		mods:languageTerm							Include full list of languages with A-Z picklist. Provide option of unknown (ISO code 'mis'), sign language (sgn) and no language (zxx). Do not allow ISO code 'mul' (multiple), since this value is repeatable and each language should be coded.			y
			type					text:code				
			authority			O	Y	iso639-2b				
			objectPart					titles; subtitles; intertitles; captions; sound track				y
mods:physicalDescription									Change label to "Presentation Format"			

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		mods:internetMediaType				M	Y		This repeatable element provides the Internet Media type for the display objects only. Other digital instantiations are documented in TechMD; analog instantiations are documented in SourceMD.			
		mods:extent		value				Positive integer				
				type				image(s); page(s); piece(s); second(s); minute(s); hour(s); digital file(s); sheet(s); other	Other' will trigger a report to the MM			
		mods:note				O	N		Note pertaining to the presentation format of the display object. Do not duplicate information provided in sourceMD or TechMD.			
mods:abstract						O	Y					
	type					O	Y	<blank>; externalAnnotation	Use for an abstract of the contents and also for external annotations/reviews for educational objects.			
mods:tableOfContents						O	N		Use for free-text only. The structure map should be used to create a structured TOC. If there are objects that need to remain together, use the structure map to create them.			
mods:targetAudience						O	Y	See CVs				

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	authority						N	GEM; LC Educational Sectors; MPAA; TV Parental Guidelines; Other				
mods:note	type					O	Y	expression or version; language; edition and history; nature or form; biographical/historical; source of title; variations in title; other title notes; statements of responsibility; performers; production credits; country of production; publication, distribution, etc.; date/time/place of event; physical description; accompanying materials; series; dissertations; citations; censorship; numbers borne by item; intended audience; with notes; preservation history; general				
mods:subject												
	authority											
		mods:topic				O	Y					
			authority					aat; lcsh; lctgm; mesh; mic; tgn	All are free-text except mic, for which see CV.		y	
			xlink						To enable direct links to authority records in future.		y	
			ID						IDs will be assigned to all authorized headings in a later version.		y	
		mods:geographic				O	Y				y	

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			authority xlink					lcsh			y	
									To enable direct links to authority records in future.		y	
			ID						IDs will be assigned to all authorized headings in a later version.		y	
		mods:temporal				O	Y	w3cdf	Use for a specific date described by the content of the resource, such as a dated letter that describes events occurring within the year or month of the letter or an oral history describing an event that occurs on a certain date. YYYY-MM-DD or YYYY-MM-DD/YYYY-MM-DD. If dates are approximate, do not use.			
		mods:titleInfo				O	Y					
			authority xlink					lcsh			y	
									To enable direct links to authority records in future.		y	
			ID						IDs will be assigned to all authorized headings in a later version.		y	
				mods:title							y	
				mods:partNumber							y	
				mods:partName							y	
				mods:nonSort							y	
		mods:name				O	Y					
			type					personal; corporate; conference				
			authority					lcsh/lcnaf; ulan				

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Element	Attribute	Sub-element	Attribute	Sub-element	Attribute	Mandatory / Optional / V 2.0	Repeat?	Controlled vocabulary	Usage	Version	Date	New to MIC
			xlink						Direct links to authoritative agent records will be supported in a later version			
			ID						IDs will be assigned to all authorized headings in a later version.			
				mods:namePart								
					type	O	Y	date, family, given; terms of address	See List for termsOfAddress		y	
		mods:genre									y	
			authority					lcsh			y	
mods:classification						O	N					
	authority							see CVs				
	edition											
mods:relatedItem						O	Y		Any mods element/sub-element may be used as a sub-element of relatedItem, as defined. For each subelement listed here, attributes and subelements are allowable as indicated above. MIC will use repeatable sourceMD and techMD for otherFormats. RelatedItem should only be used for resources with separate descriptive cataloging or when the format differs substantially from the source object (e.g. transcript as a version of an oral history).			

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	type					O	Y	host; constituent; series; otherVersion; otherFormat; isReferencedBy	in v.1, we will use 'host' for linking objects to their collections and otherVersion for resource versions that are substantially different in physical form from the source, e.g. the transcript of a sound recording. Fedora 2.0 will use RDF to hierarchically associate related items. When a person logs in, the collection name should automatically populate this data element. Cataloger should be able to override it.			
	xlink:href											
	ID											
		mods:titleInfo	see above	see above		O	Y					
		mods:name	see above	see above		O	N					
		mods:typeOfResource	see above	see above		O	N					
		mods:genre	see above	see above							y	
		mods:originInfo	see above	see above							y	
		mods:language	see above	see above							y	
		mods:physicalDescription	see above	see above							y	
		mods:abstract	see above	see above							y	
		mods:tableOfContents	see above	see above							y	
		mods:targetAudience	see above	see above							y	
		mods:note	see above	see above							y	
		mods:subject	see above	see above							y	
		mods:classification	see above	see above							y	
		mods:relatedItem	see above	see above							y	
		mods:identifier	see above	see above		O	N		generally used for the identifier of a constituent or host record.			
		mods:location	see above	see above								
		mods:part	see above	see above							y	

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		mods:extension	see above	see above							y	
		mods:recordInfo	see above	see above							y	
mods:identifier	type					M	Y	local; doi; hdl; isbn; ismn; isrc; isan; issn; iswc; lccn; micUCRecordID; music plate; music publisher; sici; umid; upc; uri; videorecording identifier				
	displayLabel invalid					V 2.0	Y	yes	Per MODS: The invalid attribute should only be used with value 'yes.' Yes is used only when recording a canceled or invalid identifier. If invalid='yes' is not present, the identifier is assumed to be valid. Do not use invalid='no.'			
mods:location						O	Y		system-supplied			
		mods:physicalLocation				O	Y	MARC orgID	MARC orgID is required. This is a repeatable data element, so a more specific physical sublocation identifier may be provided.			
			displayLabel			O	Y		Full name of organization			
			authority			O	Y	marcorg				
		mods:url				O	Y		home page of organization. Should be part of registration so that it appears automatically			
			displayLabel								y	
			dateLastAccessed						YYYY-MM-DD		y	
			note								y	
			access								y	

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mods:part											y	
	type										y	
	order										y	
	ID										y	
		mods:detail									y	
			type								y	
			order								y	
				mods:number							y	
				mods:caption							y	
				mods:title							y	
		mods:extent									y	
			unit								y	
				mods:start							y	
				mods:end							y	
				mods:total							y	
		mods:date									y	
			encoding point					w3cdtf start; end	YYYY-MM-DD		y	
									If no point attribute is specified, date is assumed to be a single date.		y	
			keyDate					yes	keyDate=yes is a directive to sort on this date; allow only one keyDate per record.		y	
			qualifier					approximate; inferred; questionable	default is <blank>		y	
		mods:text									y	
mods:extension element								main titles; end titles; main and end titles; subtitles; intertitles; music and effects track; background; A roll; B roll; other				y
	captioning							closed; open; none				

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MICPortalID						O	Y	MIC_Archives; NSDL; MIC_DV	MIC portal in which the record is retrieved. Select all that apply. MIC_Archives is the default. For science-related works, <i>also</i> choose NSDL; if the record contains a link to streaming or downloadable media, <i>also</i> choose MIC_DV.			Y
descriptiveEvent						O	N		Content-related event in the lifecycle of the resource			
		ID	authority			M	N		System-assigned unique identifier. Mandatory within the element.			
		type				M	Y	Award receipt; Cataloging; Exhibition or festival; Finding aid creation; Other	Type of content-related event in the lifecycle of the resource. Mandatory within the element. Other allows free-text entry and triggers report to MM. Default value in pulldown is 'Production.'			
		label				O	N		Specific name for an event in the lifecycle of the resource, such as the name of a festival or award. Optional within the element.			
		place				O	N		Place where the event occurred. Can include building, address, city, state, country			
		dateTime				M	Y	YYYY-MM-DD or YYYY-MM-DDThh:mm:ssTZD	Date and or time where event occurred, DateTime is mandatory within the element. Time uses 24-hour clock.			

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			keyDate					yes	keyDate=yes is a directive to sort on this date; allow only one keyDate per record.		y	
		detail				O	N		Free-text description of the event.			
		associatedEntity				O	N		Entity (personal, corporate or conference) associated with the event.			
				ID	type	M	N	global;local	mandatory within associatedEntity. Use identifier assigned by the name authority. Otherwise, system assigned.			
					authority	M	Y		mandatory within associatedEntity Indicates which authority assigned the ID.			
					value	M	Y		Use identifier assigned by the name authority. Otherwise, system assigned.			
					name	M	Y		mandatory within associatedEntity. Use authoritative version of name, e.g. Agnew, Grace or Hunter Museum.			
					role	O	N					
					type	O	N	text;code	Use "text" as the default			
					authority			marcrelator; csbarnic; mic; local; other	Other provides free-text entry; triggers report for MM.			Y
					affiliation	O	N		Affiliation of the related entity. Affiliation refers to a corporate body with whom an entity is professionally or formally affiliated at the time of the event. The affiliation should either be relevant to the event or used to provide identification or authority to the related entity.			

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Element	Attribute	Sub-element	Attribute	Sub-element	Attribute	Mandatory / Optional / V 2.0	Repeat?	Controlled vocabulary	Usage	Version	Date	New to MIC
				reference		O	N within the element		URL or other locator for information about the entity			
				detail		O	N within the element		free-text description of role and association of AssociatedEntity within the event.			
		associatedObject				O	Y		Multiple associated objects can be assigned to an event.			
				ID	type	M/O	N	global;local	mandatory within associatedObject. Use identifier assigned by the name authority. Otherwise, system assigned.			
					authority	M/O	Y		mandatory within associatedObject Indicates which authority assigned the ID. Default is "rulib"			
					value	M/O	Y		Use identifier assigned by the object repository.			
				locator	type			Digital; Physical	Location identifier for the associated object. May be digital object locator (e.g., URL) or physical locator (e.g., call number). If type=digital, provide 'browse' button with upload function. JJ substituted this for 'reference' element.			
				type				Catalog record; Correspondence; Document; Exhibition catalog; Finding aid; Press kit; Press release; Report; Research; Other				
				name		M/O	Y		mandatory within associatedObject. Use main or authoritative ("uniform") title			

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				detail		0			free-text description of role and association of AssociatedObject within the event.			