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Indiana University
Variations2 Digital Music Library Project

METADATA MODEL MULTIPLICITY REQUIREMENTS

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This document compares the *system's multiplicity requirements* (see the Database Multiplicity column in the table below) with the *minimum cataloging requirements* (see the Minimum Cataloging Requirement column).

Database Multiplicity Requirements

The system's multiplicity requirements specify possible number(s) of data entries for each field. If the number of entries in a field equals at least 1 or more, this field will be considered required for the system. If a required field does not contain any data and the cataloger attempts to save the entire record, the system will not allow for the record to be saved and/or entered into the database.

Minimum Cataloging Requirements

The minimum cataloging requirements include two levels:

1. Required
 - o This level coincides with the system's requirements (Database Multiplicity of at least 1 or more)
 - o It presents an absolute requirement (the system will complain if the field is left empty)
2. Required If Available
 - o This level is applied to highly desirable fields, which should encourage the cataloger to find and enter data
 - o This level of minimum cataloging requirements will not be backed by the system's reinforcement. If the field is left empty, the system will not prevent the cataloger from saving the record and entering it into the database.

These requirements *together* will form what could be called a "minimum record."

CONTRIBUTOR RECORD

Metadata type	Field Name	Database Multiplicity	Minimum Cataloging Requirement	Data Type
Descriptive	Type	1		Person or Group
	Uniform Name	1	Required	Name
	Variant Name(s)	0...Many		Name
	Date(s)	0...Many		Typed Date
	Variant Date(s)	0...Many		Typed Date
	Place of Origin	0...1		Place
	Note(s)	0...Many		Note
	Related Resource(s)	0...Many		Resource
Relational	ID	1		ID

Administrative	Record Creation	1		Access Info
	Last Record Update	1		Access Info
	Record Status	1		Status Descriptor

WORK RECORD

Metadata type	Field Name	Database Multiplicity	Minimum Cataloging Requirement	Data Type
Descriptive	Uniform Title	1	Required	Text
	Variant Title(s)	0...Many		Text
	Date of Composition	0...1		Date
	Place of Composition	0...1		Place
	Date of First Performance	0...1		Date
	Date of First Publication	0...1		Date
	Original Text Title	0...1		Text
	Language(s)	0...Many		Language Use
	Subject Heading(s)	0...Many	Required If Available	Text
	Class Number	0...1	Required If Available	Text
	Instrumentation	0...Many	Required If Available	Instrument Info
	Genre, Form, and Style	0...Many		Genre, Form, Style descriptor
	Key	0...1	Required If Available	Key Descriptor
	Note(s)	0...Many		Note
	Related resource(s)	0...Many		Resource
Structural	Work Structure	0...1		Structure Declaration
Relational	ID	1		ID
	Contribution(s)	0...Many		Contribution
	Related Work(s)	0...Many		Work Relation
Structural	Copyright Declaration(s)	0...Many		Copyright Declaration
	Performing Rights Society Work Number	0...1		Text
	Public Domain	1		Unknown, Known Public Domain, Known NOT Public Domain
	Record Creation	1		Access Info
	Last Record Update	1		Access Info
	Record Status	1		Status Descriptor

INSTANTIATION RECORD

Metadata type	Field Name	Database Multiplicity	Minimum Cataloging Requirement	Data Type
Descriptive	Title	1	Required	Text
	Document Description	1	Required	Document Info
	Subject Heading(s)	0...Many	Required If Available	Text
	Class Number	0...1	Required If Available	Text
	Instrumentation	0...Many	Required If Available	Instrument Info,
	Genre, Form, and Style	0...Many		Genre, Form, and Style descriptor
	Language(s)	0...Many	Required If Available	Text
	Notation	0...1		Notation Descriptor
	Date(s) of Performance	0...Many		Date
	Place of Performance	0...1		Place
Relational	Extent	1		Number
	Note(s)	0...Many		Note
	ID	1		ID
	Contribution(s)	0...Many		Contribution
	Manifested Work	1		ID
	Completeness Indicator	1		Complete or Incomplete
Administrative	Parent Container	1		ID
	Structural Binding	0...1		Structural Binding
	Copyright Declaration(s)	0...Many	Required If Available	Copyright Declaration
	Public Domain	1		Unknown, Known Public Domain, Known NOT Public Domain
	Record Creation	1		Access Info
Administrative	Last Record Update	1		Access Info
	Record Status	1		Status Descriptor

CONTAINER RECORD

Metadata type	Field Name	Database Multiplicity	Minimum Cataloging Requirement	Data Type
Descriptive	Title(s)	1...Many	Required	Text
	Uniform Series Title	0...1	Required If Available	Text
	Publisher	0...1	Required If Available	Text
	Edition	0...1	Required If Available	Text
	Publisher/Plate Numbers	0...Many		Text
	Document Description(s)	1...Many	Required If Available	Document Info
	Language(s)	0...Many		Text
	Date of Publication	0...1	Required If Available	Date
	Date of Copyright	0...1		Date
	Place of Publication	0...1		Place
Note(s)	0...Many		Note	
Relational	ID	1		ID
	Contribution(s)	0...Many		Contribution
	Contained Collective Works	0...Many		ID
	Contained Media Objects	0...Many		ID
	Contained Instantiations	0...Many		ID
Administrative	Physical Identification	1		Physical ID Info
	ISBN	0...1		Text
	MRC/EAN/UPC	0...1		Number
	ISMN	0...1		Text
	Copyright Declaration(s)	0...Many	Required If Available	Copyright Declaration
	Public Domain	1		Unknown, Known Public Domain, Known NOT Public Domain
	Record Creation	1		Access Info
	Last Record Update	1		Access Info
Record Status	1		Status Descriptor	

MEDIA OBJECT

	Field Name	Database Multiplicity	Type
Relational	ID	1	ID
	Parent Container	1	ID
Administrative	File Format	1	Text
	Compression	1	Text
	Bit Depth	1	Text
	Resolution	1	Text
	Number of Channels	1	Number
	Sample Size	1	Number
	Sample Rate	1	Number
	Hardware/Software	1	Text
	Date Digitized	1	Date
	Digitized By	1	Text
	Record Creation	1	Access Info
	Last Record Update	1	Access Info
	Record Status	1	Status Descriptor
	Number of Accesses	1	Number
Contained File(s)	1...Many	File Info	