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LIS 538

Final Project

**School Band
Directors'
Metadata
Application Profile**

Audience and Scope

School Band Directors, as community of practice, present a number of unique information seeking needs that will influence any metadata schema designed to support primary documents and materials used by this group. This metadata schema will address describing resources used by Band Directors of both Middle and High School; in particular the music libraries that directly support the day to day functions of the various bands the directors manage. To this end, this schema will encapsulate musical scores, sheet music musical performance recordings, and other supporting musical resources such as drill charts and practice book. What will not be modeled will be other documentation like reference resource that apply to musical instrument repair and maintenance, administrative catalogs, general education materials and humanity studies of music.

The School Band Director will generally have a relatively small library of printed music and supporting recordings of past performances. The band directors' primary concern for the use of material is to educate their students as to performance music. The culmination of this education is expressed through various performances which the Director must cobble together and create based on numerous consideration of the makeup of the any given band. This means the Band Director must utilize music to display the appropriate skill, instrumentation and ensemble configurations of their bands.

Primarily, the overwhelming concern of the Director, is finding appropriate songs to satisfy artistic, educational and logistical concerns for performances for each band. This has to be done uniquely for each band configuration and finding appropriate songs can present the greatest time demands. So this indicates that the individual songs and the important characteristics of those songs represent and majority of a Directors information seeking need. Additionally, the subtle distinctions of different arrangements of particular songs can be equally as important. To this end, all the entities, elements and relationships will revolve around the central predominant need for identifying and locating songs and various appropriate arrangements.

The music appears in several forms, either as individual songs or as a part of larger collections. In support of individual songs, recordings can be valuable in assessing the resources appropriateness and serve a vital aid in selecting and teaching music. These recording must be identifiable individually and the connection to specific arrangements of songs must be made transparent in any schema. This must be done, even though many of the recordings, especially commercially released one, might be contained in a greater volume under a broad, encompassing title. In addition, there are supplementary materials that are vital to some band functions that are not directly musical in nature. This is exemplified by a specific subset of band activity, marching band, because it requires a unique form of resource, marching drill.

The larger vision of this model is to act a method of interoperability for a confederation of several local school band libraries, so that they may share the contents of and expand the usefulness of their collective resource base. This is done by enabling increased capacity to search on vital characteristics that are included in the metadata.

This schema does not attempt to define, or place restrictions on defining, some of the more valuable browsing and assessment elements for songs like, skill level, instrumentation,

featured instruments, and ensemble type. The specific distinctions and vocabularies should be agreed upon locally, based on a scheme that make sense to the users of that particular system. It is encouraged, however, for these elements to have a controlled vocabulary applied to them. This model will facilitate feature and provide a method for instantiating specific controlled vocabularies.

Additionally, official publication information will not be given a great deal of consideration in this model. While formally published resources fill up a bulk of the Band Directors library, the publication data typical of concern in most bibliographic metadata schemas, are of secondary importance in identifying resource here. Firstly, many of the resource will be unique and unpublished items. Many arrangements are produced by the Band Director, or custom ordered, to conform to specific requirements. In addition, most recordings will be from specific performances by the local band and the drill is generally not published

Functional Requirements

Function: Interoperable

Requirements: Supporting interoperability for this model to be applied to various extended implementations.

Usage Scenario: This model is intended to support several smaller, school band libraries and allow them to communicate their contents to each other. One Director may wish to see if a neighboring Director has a piece of music, but they might not be utilizing the same model.

Solution: Utilizing DC Core will allow individual implementations of this model to be dumbed-down and extended features will be understandable to other implementations.

Function: Individual song search

Requirements: Enable location of specific songs that may appear in larger published collections of songs under an encompassing title.

Usage Scenario: Music for a particular song appears in a collected song book, such as the Jazz Fake Book. This contains a number of individual songs and Directors will need to locate songs within these collections. The Director will want to search for the song, by various song attributes, and find the location of the encompassing collection.

Solution: Songs will be separate entities to the collection that they are bound in. The song entities and the printed volume entities will be related to each other for search and retrieval.

Function: Browse arrangements of a song

Requirement: Support collocation of all arrangement of a song

Usage Scenario: Original works of songs can have a number of arrangements of the actual music. The creative idea remains largely the same, but many variations can affect the skill level, instrumentation and other characteristics. The Band Director may want to find out if the library contains arrangements of a particular song that conforms to characteristics appropriate for a particular band to play.

Solution: All arrangement entities of a particular song are related to the original song entity to ensure collocation of all arrangements.

Function: Identify materials for a song

Requirement: Sheet music, recordings and drill must be findable based on the song they represent

Usage Scenario: While the sheet music to a particular song is of primary importance, other supporting materials are important to the selection and use of songs for band performances. The Director will want to identify the support material to specific songs and arrangements, such as, the sheet music, recordings of performances and drill written for specific music.

Solution: All resource material entities will be related to song and/or arrangement entities they express.

Function: Browse songs by instrumentation

Requirement: Allow for instrumentation to be a characteristic of a song

Usage Scenario: The instrumentation of a particular piece might be important to the Director in the selection of a song for a band to play. The Director may wish to browse the library for a song that fits a particular instrumentation. For this purpose, instrumentation will need to be attached to songs and arrangements and can be associated with a controlled vocabulary, decided upon by the local implementation, to allow for more efficient browsing.

Solution: Instrumentation element is an attribute of a Song or Arrangement and can be associated with a controlled vocabulary scheme for browsing

Function: Browse songs by skill level

Requirement: Allow for skill level to be a characteristic of a song

Usage Scenario: The skill level of a particular piece might be important to the Director in the selection of a song for a band to play. The Director may wish to browse the library for a song that fits the particular skill level for a band. For this purpose, the skill level of music will need to be attached to songs and arrangements and can be associated with a controlled vocabulary, decided upon by the local implementation, to allow for more efficient browsing.

Solution: Skill Level element is an attribute of a Song or Arrangement and can be associated with a controlled vocabulary scheme for browsing

Function: Browse songs by ensemble type

Requirement: Allow for ensemble type to be a characteristic of a song

Usage Scenario: The intended ensemble type of a particular piece might be important to the Director in the selection of a song for a band to play. The Director may wish to browse the library for a song that fits the particular ensemble type for a band. For this purpose, the intended ensemble type of a song will need to be associated with songs and arrangements and can be associated with a controlled vocabulary, decided upon by the local implementation, to allow for more efficient browsing.

Solution: Ensemble Type element is an attribute of a Song or Arrangement entity and can be associated with a controlled vocabulary scheme for browsing

Function: Multiple title fields

Requirement: More than title is allowed to be assigned to a song or an arrangement, this will be done by use of alternative and arrangement titles

Usage Scenario: As above, different translations of titles in different languages be used for search, retrieval and locating. A song can be known as different forms of a title.

Solution: One or more title element can be assigned to a given song or arrangement entity.

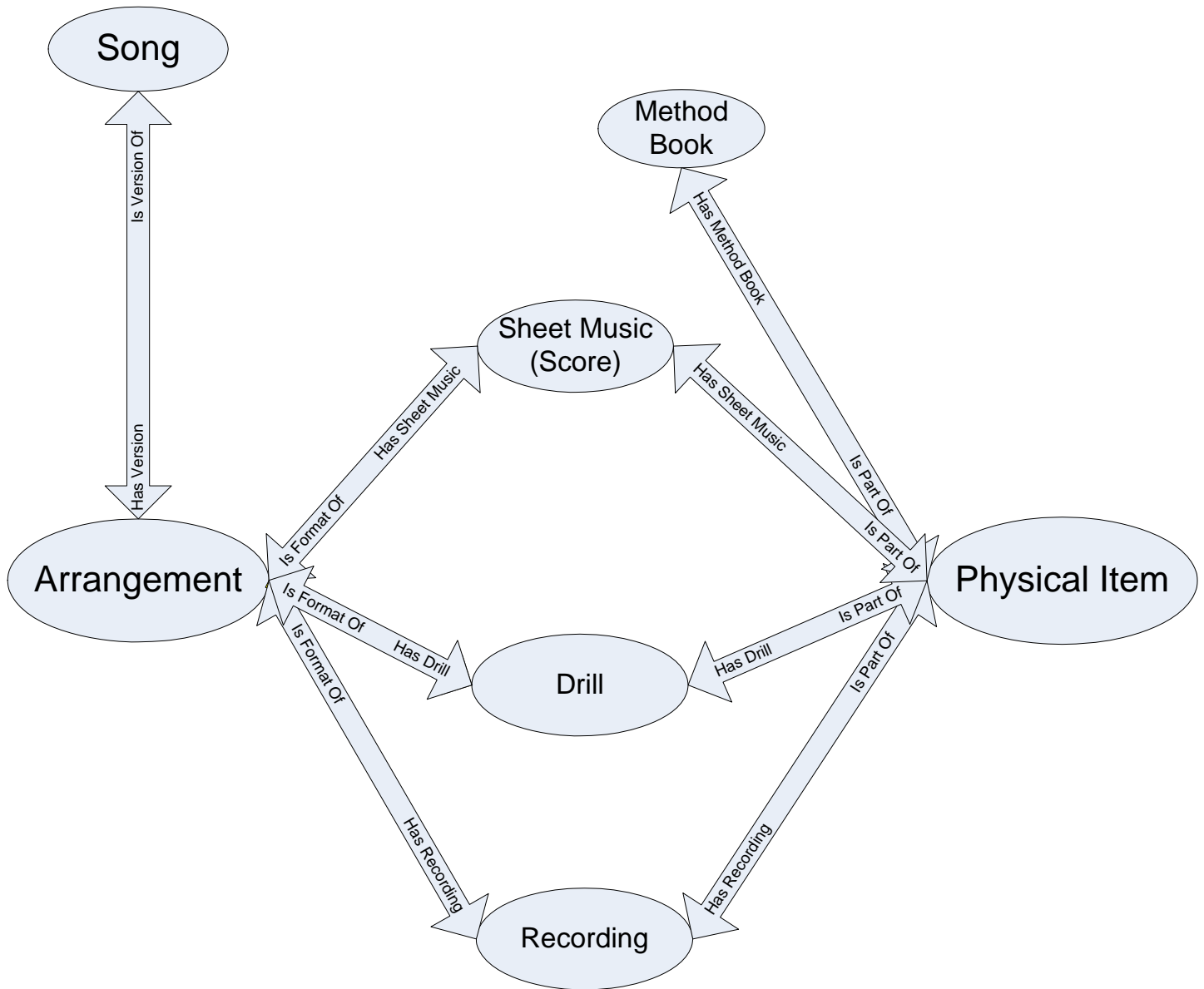
Function: Language element for music and printed material.

Requirement: Identifying the designate a language for a given printed material

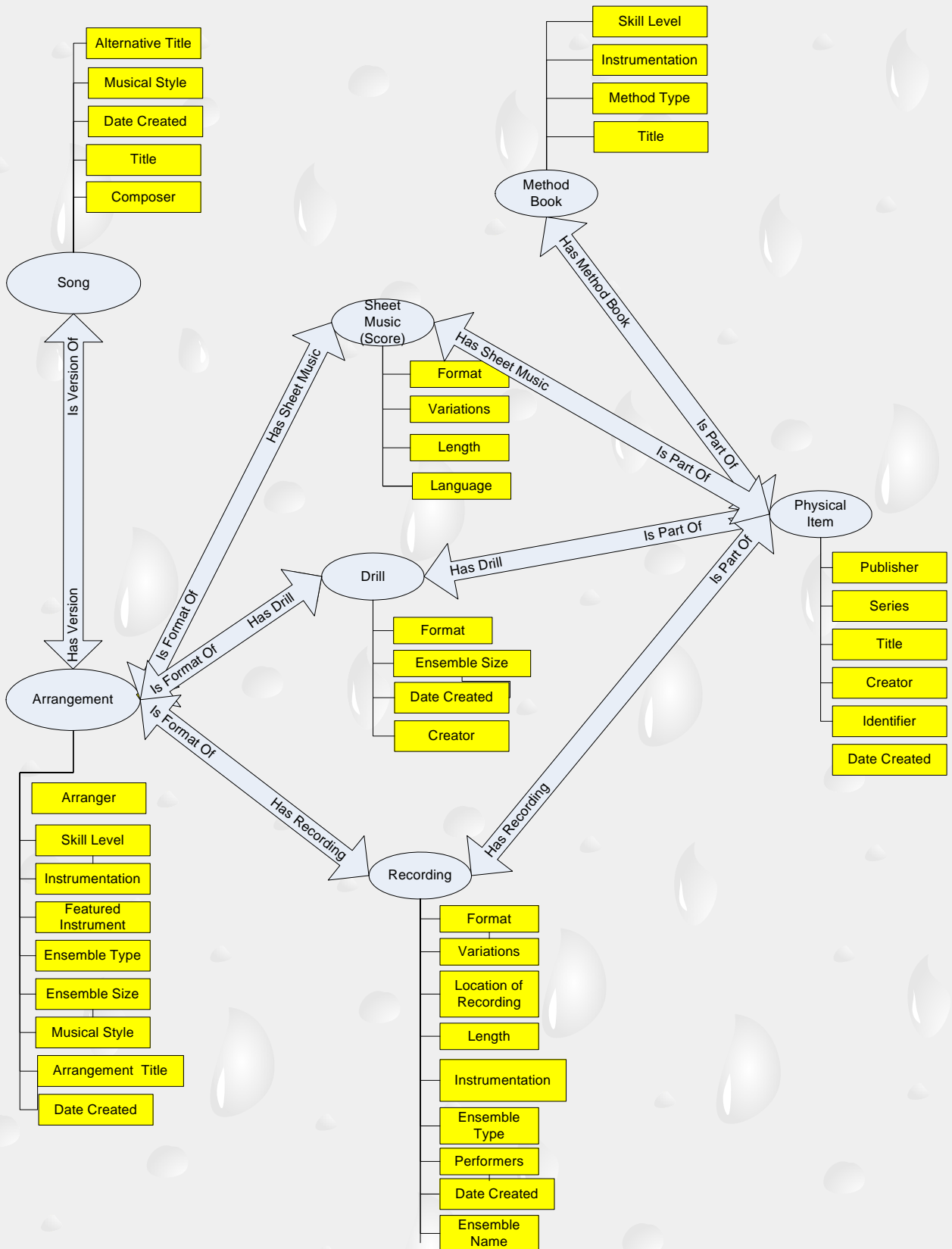
Usage Scenario: An orchestral piece is published in a foreign language, and while the music is readable without much difficulty the score's director instructions are written in that language. The language may be important in the selection of the music.

Solution: Language element for written materials.

Entities and Relationships for School Band Directors



Entity Relationships with Properties



Entities List with Properties

Symbol Key
└ = Property
⇐ = Relationship

Song

- └ Title
- └ Composer
- └ Date Created
- └ Alternative Title
- └ Musical Style
- ⇐ Has Version

Arrangement

- └ Arranger
- └ Arrangement Title
- └ Date Created
- └ Skill Level
- └ Instrumentation
- └ Featured Instrument
- └ Ensemble Type
- └ Ensemble Size
- └ Musical Style
- ⇐ Has Sheet Music
- ⇐ Has Recording
- ⇐ Has Drill
- ⇐ Is Version Of

Sheet Music

- └ Format
- └ Variations
- └ Length
- └ Language
- ⇐ Is Format Of
- ⇐ Is Part Of

Method Books

- └ Title
- └ Skill Level
- └ Instrumentation
- └ Method Type
- ⇐ Is Part Of

Recording

- └ Format
- └ Date Created (Date Recorded)
- └ Length
- └ Location of Recording
- └ Performers
- └ Ensemble Name
- └ Ensemble Type
- └ Variations
- └ *Instrumentation?*
- ⇐ Is Format Of
- ⇐ Is Part Of

Drill

- └ Format
- └ Ensemble Size
- └ Date Created
- └ Creator
- └ Variations
- ⇐ Is Format Of
- ⇐ Is Part Of

Physical Item

- └ Series
- └ Title
- └ Creator
- └ Publisher
- └ Date Created (Published)
- └ Identifier
- ⇐ Has Sheet Music
- ⇐ Has Recording
- ⇐ Has Drill
- ⇐ Has Method Book

Property Descriptions

Namespaces Used for Examples

@prefix bands: <http://banddirectors.org/metadata/terms/>
 @prefix dc: <http://purl.org/dc/elements/1.1/>
 @prefix dctest: <http://purl.org/dc/terms/>
 @prefix GEM: <http://purl.org/gem/instance/level/>
 @prefix kanzaki: http://www.kanzaki.com/ns/music#Musical_Instrument
 @prefix metaregistry: <http://metadatareregistry.org/uri/>
 @prefix EnsembleTypes: <http://metadatareregistry.org/uri/EnsembleTypes/>
 @prefix song: <http://www.banddirectors.org/entityregistry/entity/songs/>
 @prefix arrangement: <http://www.banddirectors.org/entityregistry/arrangements/>
 @prefix sheetmusic: <http://www.banddirectors.org/entityregistry/sheetmusic/>
 @prefix drill: <http://www.banddirectors.org/entityregistry/drill/>
 @prefix method: <http://www.banddirectors.org/entityregistry/methodbooks/>
 @prefix recording: <http://www.banddirectors.org/entityregistry/recordings/>
 @prefix items: <http://www.banddirectors.org/entityregistry/physicalitems/>
 @prefix agents: <http://www.banddirectors.org/entityregistry/people/>

Song Entity

Title	
Property URI	http://purl.org/dc/elements/1.1/title
Property Name	dc:title
Defined By	http://purl.org/dc/elements/1.1/
Type of Term	Element
Subproperty Of	--
Source Label	Title
Label in this AP	Title
Source Definition	Typically, a Title will be a name by which the resource is formally known.
Usage in this AP	--
Comments in this AP	--
Value: Literal	Required Language URI – Required
Value: Non-Literal	Not Allowed
Obligation	Required
Property Condition	N/A
Minimum Occurrences	1
Maximum Occurrences	1

Title Example
Statement (Property URI (dc:title) LiteralValueString (“Souza’s March Number 2” Language (en)))

Composer	
Property URI	http://banddirectors.org/metadata/terms/composer/
Property Name	bands:composer
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/creator
Source Label	Creator
Label in this AP	Composer
Source Definition	The composer of a song.
Usage in this AP	The original creator or contributor to the original, creative musical idea that is considered a song.
Comments in this AP	This AP does not require this property to be an entity, although an extended version of a more localized AP may gain value from making it a requirement. If not used as an entity, then it is encouraged to use a syntax encoding scheme to standardize appearance of names.
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Conditional: If a local authority list is available that is accessible and allows for local name updates then a VES is preferred. Value String – Allowed Syntax Encoding – Allowed (Absent VES) Language URI – Required (Absent VES or SES)
Obligation	Required
Property Condition	Every song must have a composer or a provide some type of explicit “anonymous” or “unknown” indication.
Minimum Occurrences	1
Maximum Occurrences	Unbounded

Composer Example
Statement (Property URI (dc:title) LiteralValueString (“Souza’s March Number 2” Language (en)))

```

PropertyURI ( bands:composer )
Value URI (agents:A334215)
VocabularyEncodingSchemeURI(bands:people)
ValueString ( "Cole, Nate K" )
)
)

```

Date Created	
Property URI	http://purl.org/dc/terms/created
Property Name	dcterms:created
Defined By	http://dublincore.org/documents/dcmi-terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/date
Source Label	Created
Label in this AP	Date Created
Source Definition	Date of creation of the resource.
Usage in this AP	Use for the date of create for any entity that is a resource
Comments in this AP	The specific creation date of what the entity represents, specific to the conceptual creation at the appropriate level of the entity that is being described.
Value: Literal	Required Syntax Encoding – Required Language URI – Not Allowed
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	1

Date Created Example

```

Statement (
  PropertyURI ( dcterms:created )
  LiteralValueString ( "1889-02-14"
    SyntaxEncodingSchemeURI ( dcterms:W3CDTF )
  )
)
)

```

Alternative Title

Property URI	http://purl.org/dc/terms/alternative
Property Name	dcterms:alternative
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/title
Source Label	Alternative
Label in this AP	Alternative Title
Source Definition	Any form of the title used as a substitute or alternative to the formal title of the resource.
Usage in this AP	--
Comments in this AP	--
Value: Literal	Required Language URI – Required
Value: Non-Literal	No
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Alternative Title Example

```
Statement (
  Property URI ( dc:alternative )
  LiteralValueString ( "Souza's Op Dux"
    Language ( en )
  )
)
```

Musical Style

Property URI	http://banddirectors.org/metadata/terms/musicalStyle
Property Name	bands:musicalStyle
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/subject
Source Label	Subject
Label in this AP	Musical Style
Source Definition	Typically, the topic will be represented using keywords, key phrases, or classification codes. Recommended best practice is to use a controlled vocabulary. To describe the spatial or temporal topic of the resource, use the Coverage element.
Usage in this AP	Specifically describes the general musical style of the

	resource and locally established controlled vocabulary is recommended.
Comments in this AP	--
Value: Literal	Allowed Language URI – Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Musical Style Example	
Statement (
PropertyURI (bands:musicalStyle)	
LiteralValueString ("March"	
Language (en)	
)	
)	

Has Version	
Property URI	http://purl.org/dc/terms/hasVersion
Property Name	dcterms:hasVersion
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/relation
Source Label	Has Version
Label in this AP	
Source Definition	The described resource has a version, edition, or adaptation, namely, the referenced resource.
Usage in this AP	The described resource is the Arrangement of a Song entity.
Comments in this AP	--
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional
Property Condition	This is a reciprocating relationship and is required if the object of the Arrangement entity's Is Version Of property is the owning Song entity.
Minimum Occurrences	0

Maximum Occurrences	Unbounded
----------------------------	-----------

Has Version Example
<pre>Statement (PropertyURI (bands:hasVersion) Value URI (arrangement:A412413))</pre>

Arrangement Entity

Properties Described Above: **Date Created; Musical Style**

Arranger	
Property URI	http://banddirectors.org/metadata/terms/arranger/
Property Name	bands:arranger
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/contributor
Source Label	Contributor
Label in this AP	Arranger
Source Definition	An entity responsible for making contributions to the resource.
Usage in this AP	An entity that alters an original song to create a new expression with altered characteristics.
Comments in this AP	This AP does not require this property to be an entity, although an extended version of a more localized AP may gain value from making it a requirement. If not used as an entity, then it is encouraged to use a syntax encoding scheme to normalize and standardize appearance of names.
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Conditional: If a local authority list is available that is accessible and allows for local name updates then a VES is preferred. Value String – Allowed Syntax Encoding – Allowed (Absent VES) Language URI – Required (Absent VES or SES)
Obligation	Required
Property Condition	Every song must have a composer or a provide some type of explicit “anonymous” or “unknown” indication.
Minimum Occurrences	1
Maximum Occurrences	Unbounded

Arranger Example

```
Statement (  
  PropertyURI ( bands:arranger )  
  Value URI (agents:A3321452)  
  VocabularyEncodingSchemeURI(bands:people)  
  ValueString ( "Maury, Michelle L")  
)
```

Arrangement Title

Property URI	http://banddirectors.org/metadata/terms/arrangementTitle
Property Name	bands:arrangementTitle
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/alternative
Source Label	Alternative
Label in this AP	Arrangement Title
Source Definition	Any title that is applied to any arrangement of a song
Usage in this AP	This is meant to distinguish the difference between a song title and any form of an arrangement title.
Comments in this AP	--
Value: Literal	Required Language URI - Required
Value: Non-Literal	Not Allowed
Obligation	Required
Property Condition	If the arrangement is associated with a song, the Arrangement Title could be optional if the default is then set to a songs Title.
Minimum Occurrences	1
Maximum Occurrences	Unbounded

Arrangement Title Example

```
Statement (  
  Property URI ( bands:arrangementTitle )  
  LiteralValueString ( "Souza's March Number 2"  
    Language ( en )  
  )  
)
```

Skill Level	
Property URI	http://banddirectors.org/metadata/terms/skillLevel
Property Name	bands:skillLevel
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/educationLevel
Source Label	Audience Education Level
Label in this AP	Skill Level
Source Definition	A general statement describing the education or training context. Alternatively, a more specific statement of the location of the audience in terms of its progression through an education or training context.
Usage in this AP	Described the appropriate skill level required to best utilize resource.
Comments in this AP	--
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Required Value String – Allowed Syntax Encoding – Not Allowed Language URI – Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Skill Level Example
<pre>Statement (PropertyURI (bands:skillLevel) Value URI (GEM:10) VocabularyEncodingSchemeURI (http://purl.org/gem/instance/level/) ValueString ("Grade 10" Language (en)))</pre>

Instrumentation	
Property URI	http://banddirectors.org/metadata/terms/instrumentation/
Property Name	bands:instrumentation
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement

Subproperty Of	http://purl.org/dc/terms/audience
Source Label	Audience
Label in this AP	Instrumentation
Source Definition	A class of entity for whom the resource is intended or useful.
Usage in this AP	Describes the intended instrumentation to be used as is represented by the resource.
Comments in this AP	It is intended for this attribute for this element to enumerate each type of instrumentation individually. This modularity will give flexibility, although more complex vocabulary terms can be incorporated from local vocabularies. If including other information such as counts of instrumentation, a syntax encoding scheme is strongly encouraged.
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Allowed (Recommended) Kanzaki:Musical_Instrument Value String – Allowed Syntax Encoding – Not Allowed Language URI – Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Instrumentation Example
<pre>Statement (PropertyURI (bands:instrumentation) Value URI (Musical_Instrument:clarinet) VocabularyEncodingSchemeURI (kanzaki:Musical_Instrument) ValueString ("Clarinet"))</pre>

Featured Instrument	
Property URI	http://banddirectors.org/metadata/terms/featuredInstruments
Property Name	bands:featuredInstruments
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/audience
Source Label	Audience
Label in this AP	Featured Instrument
Source Definition	A class of entity for whom the resource is intended or useful
Usage in this AP	Descriptions of the type and amount of featured instruments

	of a resource.
Comments in this AP	Typically noting the various soloists or instruments with parts written to be prominently featured.
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Allowed (Recommended) Value String – Allowed Syntax Encoding – Not Allowed Language URI – Not Allowed
Obligation	Optional
Property Condition	
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Featured Instrument Example	
Statement (
PropertyURI (bands:skillLevel)	
Value URI (Musical_Instrument:clarinet)	
VocabularyEncodingSchemeURI (kanzak:Musical_Instrument)	
ValueString ("Clarinet"	
Language (en)	
)	
)	

Ensemble Type	
Property URI	http://banddirectors.org/metadata/terms/ensembleType/
Property Name	bands:ensembleType
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/coverage
Source Label	Coverage
Label in this AP	Ensemble Type
Source Definition	The spatial or temporal topic of the resource, the spatial applicability of the resource, or the jurisdiction under which the resource is relevant.
Usage in this AP	Describing the general type of ensemble the resource is intended to be used by.
Comments in this AP	--
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Allowed (Recommended)

	Value String – Allowed Syntax Encoding – Not Allowed Language URI – Conditional (Required: Absent VES)
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Ensemble Type Example	
Statement (
PropertyURI (metaregistry:ensembleType)	
Value URI (EnsembleTypes:SE-WQ)	
VocabularyEncodingSchemeURI (bands:EnsembleTypes)	
ValueString ("Small Ensemble - woodwind quartet")	
)	

Ensemble Size	
Property URI	http://banddirectors.org/metadata/terms/ensembleSize/
Property Name	bands:ensembleSize
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/audience
Source Label	Audience
Label in this AP	Featured Instrument
Source Definition	A class of entity for whom the resource is intended or useful
Usage in this AP	Describing the size of Ensemble the resource is intended for.
Comments in this AP	Can be used as either a description of size or as an exact numerical value or as a numerical range.
Value: Literal	Allowed Language URI – Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	1

Ensemble Size Example	
Statement (
PropertyURI (bands:ensembleSize)	

```

LiteralValueString ( "Large"
    Language ( en )
)
)

```

Has Recording	
Property URI	http://banddirectors.org/metadata/terms/hasRecording
Property Name	bands:hasRecording
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/hasPart
Source Label	Has Part
Label in this AP	Has Recording
Source Definition	The described resource includes the referenced resource either physically or logically.
Usage in this AP	The described resource is a Recording that is either derived from an arrangement or part of a physical item
Comments in this AP	--.
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional
Property Condition	If an Arrangement or a Physical Item entity is object of a relationship in a Recording entity then Has Recording must be reciprocated in that arrangement or physical item
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Has Recording Example

```

Statement (
    PropertyURI ( bands:hasRecording )
    Value URI ( recording:A412413 )
)
)

```

Has Sheet Music	
Property URI	http://banddirectors.org/metadata/terms/hasSheetMusic

Property Name	bands:hasSheetMusic
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/hasPart
Source Label	Has Part
Label in this AP	Has Sheet Music
Source Definition	The described resource includes the referenced resource either physically or logically.
Usage in this AP	The described resource is Sheet Music that is either derived from an arrangement or part of a physical item
Comments in this AP	--.
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional
Property Condition	If an Arrangement or a Physical Item entity is object of a relationship in a Sheet Music entity then Has Sheet Music must be reciprocated in that arrangement or physical item
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Has Sheet Music Example

```
Statement (
  PropertyURI ( bands:hasSheetMusic )
  Value URI ( sheetmusic:A412413 )
)
```

Has Drill	
Property URI	http://banddirectors.org/metadata/terms/hasDrill
Property Name	bands:hasDrill
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/hasPart
Source Label	Has Part
Label in this AP	Has Sheet Music
Source Definition	The described resource includes the referenced resource either physically or logically.
Usage in this AP	The described resource is a Drill that is either derived from

	an arrangement or part of a physical item
Comments in this AP	--.
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional
Property Condition	If an Arrangement or a Physical Item entity is object of a relationship in a Drill entity then they Has Drill must be reciprocated in that arrangement or physical item
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Has Drill Example
<pre>Statement (PropertyURI (bands:hasDrill) Value URI (drill:A412413))</pre>

Is Version Of	
Property URI	http://purl.org/dc/terms/isVersionOf
Property Name	dcterms:isVersionOf
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/relation
Source Label	Is Version Of
Label in this AP	--
Source Definition	The described resource is a version, edition, or adaptation of the referenced resource. Changes in version imply substantive changes in content rather than differences in format.
Usage in this AP	Describes the Song that is the basis for Arrangement entity
Comments in this AP	--
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional


```

PropertyURI ( dc:format )
VocabularyEncodingSchemeURI (dcterms:IMT)
ValueString ( "audio/mp3"
    Language ( en )
)
)

```

Variations	
Property URI	http://banddirectors.org/metadata/terms/variatiions
Property Name	bands:variatiions
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/description
Source Label	Description
Label in this AP	Variations
Source Definition	Description may include but is not limited to: an abstract, a table of contents, a graphical representation, or a free-text account of the resource.
Usage in this AP	Describe a partial or complete list of the variations made on the resource as a unique physical item.
Comments in this AP	(ie: if a page is missing or important corrections are made to the musical notation for sheet music or if a particular section of instruments from an arrangement were left off a recording)
Value: Literal	Allowed Language URI - Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	1

```

Variations Example
Statement (
    PropertyURI ( bands:variatiions )
    LiteralValueString ( "For this recording the entire 2nd part trumpet were absent"
        Language ( en )
    )
)

```

Length	
Property URI	http://banddirectors.org/metadata/terms/length
Property Name	bands:length
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/extent
Source Label	Extent
Label in this AP	Length
Source Definition	The size or duration of the resource.
Usage in this AP	The length of a resource in pages or time.
Comments in this AP	--
Value: Literal	Allowed Language URI - Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	1

Length Example
<pre>Statement (PropertyURI (bands:length) LiteralValueString ("26 minutes" Language (en)))</pre>

Language	
Property URI	http://purl.org/dc/elements/1.1/language
Property Name	dc:language
Defined By	http://purl.org/dc/elements/1.1/
Type of Term	element
Subproperty Of	
Source Label	Language
Label in this AP	Language
Source Definition	A language of the resource.
Usage in this AP	
Comments in this AP	Recommended best practice is to use a controlled vocabulary such as RFC 3066 [RFC3066].
Value: Literal	Not Allowed

Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Required dcterms:RFC3066 Value String – Allowed Syntax Encoding – Not Allowed Language URI – Not Allowed
Obligation	Required for all resources
Property Condition	Default can be set to specific language
Minimum Occurrences	1
Maximum Occurrences	Unbounded

Language Example
<pre>Statement (PropertyURI (dc:language) VocabularyEncodingSchemeURI (dcterms:RFC3066) ValueString ("AT"))</pre>

Is Format Of	
Property URI	http://purl.org/dc/terms/isFormatOf
Property Name	dcterms:isFormatOf
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/relation
Source Label	Is Format Of
Label in this AP	--
Source Definition	The described resource is the same intellectual content of the referenced resource, but presented in another format.
Usage in this AP	Describes the arrangement that was used to create this entity.
Comments in this AP	--
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional

Property Condition	This is a reciprocating property and if Has Recording, Has Sheet Music, Has Method Book or Has Drill describes the owning entity, Is Format Of is required to describe the Arrangement resource of the relationships.
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Is Format Of Example	
Statement (
PropertyURI (bands:isFormatOf)	
Value URI (arrangement:A412413)	
)	
)	

Is Part Of	
Property URI	http://purl.org/dc/terms/isPartOf
Property Name	dcterms:isPartOf
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/relation
Source Label	Is Part Of
Label in this AP	--
Source Definition	The described resource is a physical or logical part of the referenced resource.
Usage in this AP	The described resource is the physical manifestation of the entity and may be contained in part as a whole.
Comments in this AP	--.
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional
Property Condition	This is a reciprocating property and if Has Recording, Has Sheet Music, Has Method Book or Has Drill describes the owning entity, Is Part Of is required to describe the Physical Item resource of the relationships.
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Is Part Of Example	
--------------------	--

```
Statement (
  PropertyURI ( bands:isPartOf )
  Value URI ( items:A412413 )
)
```

Recording Entity

Properties Described Above: **Format; Date Created; Musical Style; Length; Ensemble Type; Variations; Instrumentation; Is Format Of; Is Part Of**

Recording Location	
Property URI	http://banddirectors.org/metadata/terms/recordingLocation
Property Name	bands:recordingLocation
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/description
Source Label	Description
Label in this AP	Recording Location
Source Definition	Description may include but is not limited to: an abstract, a table of contents, a graphical representation, or a free-text account of the resource.
Usage in this AP	Describes the specific location of a recording of a performance.
Comments in this AP	--
Value: Literal	Allowed Language URI – Required
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Conditional: If a local vocabulary authority list describing local locations is available that is accessible and allows for local place updates then a VES is preferred. Value String – Allowed Syntax Encoding – Not Allowed Language URI – Required (Absent: VES)
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	1

Recording Location Example

```

Statement (
  PropertyURI ( bands:recordingLocation )
  LiteralValueString ( "In the parking lot of the stadium before a game"
    Language ( en )
  )
)

Statement (
  PropertyURI ( bands:recordingLocation )
  Value URI (

```

Performers	
Property URI	http://banddirectors.org/metadata/terms/performers/
Property Name	bands:performers
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/contributor
Source Label	Contributor
Label in this AP	Performers
Source Definition	An entity responsible for making contributions to the resource.
Usage in this AP	List the performers in specific performance
Comments in this AP	A List that encompasses all people involved in a performance.
Value: Literal	Allowed Language URI - Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Performers Example

```

Statement (
  PropertyURI ( bands:performers )
  LiteralValueString ( "John on trumpet, Mary on bass and Max on drums"
    Language ( en )
  )
)

```

Ensemble Name	
Property URI	http://banddirectors.org/metadata/terms/ensembleName
Property Name	bands:ensembleName
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/description
Source Label	Description
Label in this AP	Ensemble Name
Source Definition	An account of the resource.
Usage in this AP	Describes the name of the ensemble in a recording.
Comments in this AP	--
Value: Literal	Allowed Language URI - Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Ensemble Name Example
<pre>Statement (PropertyURI (bands:ensembleName) LiteralValueString ("The Federal Way High School Marching Band" Language (en)))</pre>

Drill Entity

Properties Described Above: **Format; Date Created; Ensemble Size; Variations; Is Format Of; Is Part Of**

Creator	
Property URI	http://purl.org/dc/elements/1.1/creator
Property Name	dc:creator
Defined By	http://dublincore.org/documents/dces/
Type of Term	element
Subproperty Of	--
Source Label	Creator

Label in this AP	Creator
Source Definition	An entity primarily responsible for making the resource.
Usage in this AP	--
Comments in this AP	Not to be used for song composers or arrangement arrangers, but creators of all other resources.
Value: Literal	Not Allowed
Value: Non-Literal	Value URI – Allowed Vocabulary Encoding – Conditional: If a local authority list of names is available, is accessible and allows for local name updates then a VES is preferred. Value String – Allowed Syntax Encoding – Allowed (Absent VES) Language URI – Required (Absent VES or SES)
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	1

Creator Example	
Statement (
PropertyURI (dc:creator)	
Value URI (agents:A334215)	
VocabularyEncodingSchemeURI(bands:people)	
ValueString ("Newton, Wayne")	
)	

Physical Item Entity

Properties Described Above: **Title; Creator; Date Created; Has Sheet Music; Has Recording; Has Drill**

Identifier	
Property URI	http://purl.org/dc/elements/1.1/identifier
Property Name	dc:identifier
Defined By	http://dublincore.org/documents/dces/
Type of Term	Element
Subproperty Of	
Source Label	Identifier
Label in this AP	Identifier
Source Definition	An unambiguous reference to the resource within a given context.

Usage in this AP	
Comments in this AP	Used for identifying a particular item, can be used for location purposes
Value: Literal	Allowed Syntax Encoding – Required Language URI – Not Allowed
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	
Minimum Occurrences	0
Maximum Occurrences	1

Identifier Example
<pre>Statement (PropertyURI (dc:identifier) LiteralValueString ("123322451" ++++++))</pre>

Series	
Property URI	http://banddirectors.org/metadata/terms/seriesTitle
Property Name	bands:seriesTitle
Defined By	http://banddirectors.org/documents/bdap/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/elements/1.1/source
Source Label	Source
Label in this AP	Series
Source Definition	The resource from which the described resource is derived.
Usage in this AP	Describing the larger series of resources from which a particular resource is a part of.
Comments in this AP	This is broadly applied to resources that maybe educational series of book, method books, larger collections and periodicals
Value: Literal	Allowed Language URI - Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0

Maximum Occurrences	1
----------------------------	---

```

Series Example

Statement (
  PropertyURI ( band:series)
  LiteralValueString ( "Musical Education Integrated Approach to Developing Skills "
    Language ( en )
  )
)

```

Publisher	
Property URI	http://purl.org/dc/elements/1.1/publisher
Property Name	dc:publisher
Defined By	http://dublincore.org/documents/dces/
Type of Term	Element
Subproperty Of	N/A
Source Label	Publisher
Label in this AP	Publisher
Source Definition	An entity responsible for making the resource available.
Usage in this AP	
Comments in this AP	Publisher should be used in the broadest sense, since many of the resources will not have a traditional publisher.
Value: Literal	Allowed Language URI – Required
Value: Non-Literal	Not Allowed
Obligation	Optional
Property Condition	N/A
Minimum Occurrences	0
Maximum Occurrences	Unbounded

```

Publisher Example

Statement (
  PropertyURI (dc:publisher)
  ValueString ( "Name of Publisher Here "
    Language ( en )
  )
)

```

Has Method Book	
Property URI	http://banddirectors.org/metadata/terms/hasMethodBook
Property Name	bands:hasMethodBook
Defined By	http://purl.org/dc/terms/
Type of Term	element-refinement
Subproperty Of	http://purl.org/dc/terms/hasPart
Source Label	Has Part
Label in this AP	Has Method Book
Source Definition	The described resource includes the referenced resource either physically or logically.
Usage in this AP	The described resource is a Method Book that is either derived from an arrangement or part of a physical item
Comments in this AP	--.
Value: Literal	Not Allowed
Value: Non-Literal	Allowed Value URI –Required Vocabulary Encoding – Not Allowed Value String – Not Allowed
Obligation	Optional
Property Condition	If an Arrangement or a Physical Item entity is object of a relationship in a Method Book entity then Has Method Book must be reciprocated in that arrangement or physical item
Minimum Occurrences	0
Maximum Occurrences	Unbounded

Has Method Book Example
<pre>Statement (PropertyURI (bands:hasMethodBook) Value URI (method:A412413))</pre>

Value Spaces

Date

Suggested Vocabulary Encoding Scheme: W3CDTF

URI: <http://purl.org/dc/terms/W3CDTF>

Skill Level

Suggested Vocabulary Encoding Scheme: GEM Level

URI: <http://purl.org/gem/instance/level/>

Instrumentation

Suggested Vocabulary Encoding Scheme: Kanzaki Music Vocabulary

http://www.kanzaki.com/ns/music#Musical_Instrument

(This should cover the broadest needs of a school band, although additions may need to be included for some of the Jazz and Drum instruments)

Featured Instrument

Suggested Vocabulary Encoding Scheme: Kanzaki Music Vocabulary

http://www.kanzaki.com/ns/music#Musical_Instrument

(This should cover the broadest needs of a school band, although additions may need to be included for some of the Jazz and Drum instruments)

Format

Suggested Vocabulary Encoding Scheme: MIME

URI: <http://www.iana.org/assignments/media-types/>

Language

Suggested Vocabulary Encoding Scheme: RFC 3066

URI: <http://purl.org/dc/terms/RFC3066>

Suggested Vocabulary Encoding Scheme: ISO639-2

URI: <http://purl.org/dc/terms/ISO639-2>

Recording Location

Because of the widely varied nature of these controlled vocabularies, they are to be created by a local implementation, if used.

Ensemble Types Local Vocabulary

<http://metadataregistry.org/uri/EnsembleTypes>

Terms to describe types of ensembles

- **concert band**
- **jazz band** UF stage band
- **marching band**
- **peep band**
- **drum line**

- **orchestra**
- **chorus**
- **small ensemble**

<by size>

- **solo** UF feature
- **duet**
- **trio**
- **quartet**
- **quintet**
- **sextet**
- **septet**
- **octet**

(small ensemble is considered no bigger than eight parts)

<by instrumentation>

- **strings**
- **woodwind**
- **brass**
- **jazz combo**
- **percussion**

XML (ENSEMBLE TYPE)

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns="http://metadataregistry.org/uri/EnsembleTypes"
targetNamespace="http://metadataregistry.org/uri/EnsembleTypes">
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="1.00.000"&gt;
```

```
<xs:annotation>
```

```
<xs:documentation xml:lang="en">
```

```
  Ensemble Types Vocabulary XML Schema
```

```
  XML Schema for http://metadataregistry.org/uri/EnsembleTypes namespace
```

```
  Date created: 2007-12-02 17:59:27
```

```
  Date of last update: 2007-12-02 18:21:43
```

```
  Further information about this schema is available at
```

```
http://metadataregistry.org/uri/EnsembleTypes.html
```

```
</xs:documentation>
```

```
</xs:annotation>
```

```
<xs:simpleType name="DCMIType">
```

```
<xs:restriction base="xs:string">
```

```
<xs:enumeration value="Concert Band"/>
```

```
<xs:enumeration value="Jazz Band"/>
```

```
<xs:enumeration value="Marching Band"/>
```

```

<xs:enumeration value="Pep Band"/>
<xs:enumeration value="Drumline"/>
<xs:enumeration value="Orchestra"/>
<xs:enumeration value="Chorus"/>
<xs:enumeration value="Small Ensemble"/>
<xs:enumeration value="solo"/>
<xs:enumeration value="duet"/>
<xs:enumeration value="trio"/>
<xs:enumeration value="quartet"/>
<xs:enumeration value="quintet"/>
<xs:enumeration value="sextet"/>
<xs:enumeration value="septet"/>
<xs:enumeration value="octet"/>
<xs:enumeration value="string"/>
<xs:enumeration value="woodwind"/>
<xs:enumeration value="brass"/>
<xs:enumeration value="jazz combo"/>
<xs:enumeration value="percussion"/>
<xs:enumeration value="&lt; by size &gt;"/>
<xs:enumeration value="&lt; by instrument type &gt;"/>
<xs:enumeration value="&lt; Ensemble Type &gt;"/>
</xs:restriction>
</xs:simpleType>

</xs:schema>

```

RDF (ENSEMBLE TYPE)

```

<?xml version="1.0" encoding="UTF-8"?>
<rdf:RDF xmlns="http://www.w3.org/2004/02/skos/core#"
xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
xmlns:skos="http://www.w3.org/2004/02/skos/core#"
xmlns:dc="http://purl.org/dc/elements/1.1/">
<!-- Scheme: Ensemble Types Vocabulary -->
  <skos:ConceptScheme rdf:about="http://metadataregistry.org/uri/EnsembleTypes">
    <dc:title>Ensemble Types Vocabulary</dc:title>
    <skos:hasTopConcept
rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
  </skos:ConceptScheme>

<!-- Concept: Concert Band -->
  <skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1001">
    <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
    <skos:prefLabel>Concert Band</skos:prefLabel>
    <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
  </skos:Concept>

<!-- Concept: Jazz Band -->

```

```
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1002">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Jazz Band</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
  <skos:related rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1003"/>
</skos:Concept>

<!-- Concept: Marching Band -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1003">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Marching Band</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
  <skos:related rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1002"/>
  <skos:related rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1005"/>
</skos:Concept>

<!-- Concept: Pep Band -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1004">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Pep Band</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
</skos:Concept>

<!-- Concept: Drumline -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1005">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Drumline</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
  <skos:related rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1003"/>
</skos:Concept>

<!-- Concept: Orchestra -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1006">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Orchestra</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
</skos:Concept>

<!-- Concept: Chorus -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1007">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Chorus</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
</skos:Concept>

<!-- Concept: Small Ensemble -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1008">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>Small Ensemble</skos:prefLabel>
```

```
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1027"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
<skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1029"/>
</skos:Concept>

<!-- Concept: solo -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1011">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>solo</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: duet -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1012">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>duet</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: trio -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1013">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>trio</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: quartet -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1014">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>quartet</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: quintet -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1015">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>quintet</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: sextet -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1016">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>sextet</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: septet -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1017">
```

```
<skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
<skos:prefLabel>septet</skos:prefLabel>
<skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: octet -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1018">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>octet</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1026"/>
</skos:Concept>

<!-- Concept: string -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1019">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>string</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1027"/>
</skos:Concept>

<!-- Concept: woodwind -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1020">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>woodwind</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1027"/>
</skos:Concept>

<!-- Concept: brass -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1021">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>brass</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1027"/>
</skos:Concept>

<!-- Concept: jazz combo -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1022">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>jazz combo</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1027"/>
</skos:Concept>

<!-- Concept: percussion -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1023">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>percussion</skos:prefLabel>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1027"/>
</skos:Concept>

<!-- Concept: &lt; by size &gt; -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1026">
```

```
<skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1011"/>
<skos:prefLabel>&lt; by size &gt;</skos:prefLabel>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1012"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1013"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1014"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1015"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1016"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1017"/>
<skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1018"/>
<skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1008"/>
</skos:Concept>
```

```
<!-- Concept: &lt; by instrument type &gt; -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1027">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>&amp;lt; by instrument type &amp;gt;</skos:prefLabel>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1019"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1020"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1021"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1023"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1022"/>
  <skos:broader rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1008"/>
</skos:Concept>
```

```
<!-- Concept: &lt; Ensemble Type &gt; -->
<skos:Concept rdf:about="http://metadataregistry.org/uri/EnsembleTypes/1029">
  <skos:inScheme rdf:resource="http://metadataregistry.org/uri/EnsembleTypes"/>
  <skos:prefLabel>&amp;lt; Ensemble Type &amp;gt;</skos:prefLabel>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1001"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1002"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1003"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1004"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1005"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1006"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1007"/>
  <skos:narrower rdf:resource="http://metadataregistry.org/uri/EnsembleTypes/1008"/>
</skos:Concept>
```

```
</rdf:RDF>
```

Description Set Profile

```
<?xml version="1.0" encoding="utf-8"?>
<!--
  Description Set Profile
  Band Director Metadata Project

UPDATED WORKING FILE CAN BE FOUND...
http://students.washington.edu/elseware/LIS538/
-->

<DescriptionSetProfile
  xmlns:band="http://banddirectors.org/elements/"
  xmlns:metareg="http://metadataregistry.org/uri/"
  xmlns:kanzaki="http://www.kanzaki.com/ns/music#"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:dcterms="http://purl.org/dc/terms/"
  >

  <DescriptionTemplate ID="arrangement" standalone="both" minOccurs="0"
maxOccurs="infinity" >

    <ResourceConstraint>
      <MemberOf>
        <Option value="band:arrangement" />
      </MemberOf>
    </ResourceConstraint>

    <StatementTemplate minOccurs="1" maxOccurs="infinity" type="literal">
      <PropertyConstraint>
        <InSet>
          <Option value="band:arrangementTitle" />
        </InSet>
      </PropertyConstraint>

      <LiteralValueConstraint>
        <LanguageConstraint occurrence="mandatory" />
      </LiteralValueConstraint>
    </StatementTemplate>

    <StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
      <PropertyConstraint>
        <InSet>
          <Option value="dc:created" />
        </InSet>
      </PropertyConstraint>

      <LiteralValueConstraint>
        <LanguageConstraint occurrence="disallowed" />
        <SESConstraint list="dcterms:W3CDTF" />
      </LiteralValueConstraint>
    </StatementTemplate>

    <StatementTemplate minOccurs="0" maxOccurs="infinity" type="literal">
      <PropertyConstraint>
        <InSet>
          <Option value="band:musicalStyle" />
        </InSet>
      </PropertyConstraint>
    </StatementTemplate>
  </DescriptionTemplate>
</DescriptionSetProfile>
```

```

    </PropertyConstraint>

    <LiteralValueConstraint>
      <LanguageConstraint occurrence="mandatory"/>
    </LiteralValueConstraint>

  </StatementTemplate>

  <!-- May have a range of skill levels -->
  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:skillLevel"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
      <ValueURIConstraint occurrence="optional"/>
      <VESConstraint occurrence="mandatory"/>
      <ValueStringConstraint maxOccur="infinity"/>
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:instrumentation"/>
        <Option value="band:featuredInstrument"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
      <ValueURIConstraint occurrence="optional"/>
      <VESConstraint list="kanzaki:Musical_Instrument" />
      <ValueStringConstraint maxOccur="1"/>
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:ensembleType"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
      <ValueURIConstraint occurrence="optional"/>
      <VESConstraint list="metareg:EnsembleType" />
      <ValueStringConstraint maxOccur="infinity"/>
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
    <PropertyConstraint>
      <InSet>
        <Option value="band:ensembleSize"/>
      </InSet>
    </PropertyConstraint>
  </StatementTemplate>

```

```

    </PropertyConstraint>

    <LiteralValueConstraint>
      <LanguageConstraint occurrence="mandatory" />
    </LiteralValueConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="1" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:arranger" />
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
      <ValueURIConstraint occurrence="optional" />
      <VESConstraint occurrence="mandatory" />
      <SESConstraint occurrence="disallowed" />
      <LanguageConstraint occurrence="disallowed" />
      <ValueStringConstraint maxOccur="1" />
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="dcterm:isVersionOf" />
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint description="song" >
      <ValueURIConstraint occurrence="disallowed" />
      <VESConstraint occurrence="disallowed" />
      <ValueStringConstraint occurrence="disallowed" />
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:hasRecording" />
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint decription="recording" >
      <ValueURIConstraint occurrence="disallowed" />
      <VESConstraint occurrence="disallowed" />
      <ValueStringConstraint occurrence="disallowed" />
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:hasSheetMusic" />
      </InSet>
    </PropertyConstraint>

```

```

    </PropertyConstraint>

    <NonLiteralConstraint decription="sheet-music" >
      <ValueURIConstraint occurrence="disallowed"/>
      <VESConstraint occurence="disallowed" />
      <ValueStringConstraint occurrence="disallowed" />
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:hasDrill"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint decription="drill" >
      <ValueURIConstraint occurrence="disallowed"/>
      <VESConstraint occurence="disallowed" />
      <ValueStringConstraint occurrence="disallowed" />
    </NonLiteralConstraint>
  </StatementTemplate>
</DescriptionTemplate>

<DescriptionTemplate ID="song" standalone="both">

  <ResourceConstraint>
    <MemberOf>
      <Option value="band:song"/>
    </MemberOf>
  </ResourceConstraint>

  <StatementTemplate minOccurs="1" maxOccurs="1" type="literal">
    <PropertyConstraint>
      <InSet>
        <Option value="dc:title"/>
      </InSet>
    </PropertyConstraint>

    <LiteralValueConstraint>
      <LanguageConstraint occurrence="mandatory"/>
    </LiteralValueConstraint>

  </StatementTemplate>

  <StatementTemplate minOccurs="1" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:composer"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
      <ValueURIConstraint occurrence="optional"/>
      <VESConstraint occurence="mandatory" />
      <SESConstraint occurrence="disallowed" />
      <LanguageConstraint occurrence="disallowed" />
      <ValueStringConstraint maxOccur="1"/>

```

```

    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
  <PropertyConstraint>
    <InSet>
      <Option value="dc:created"/>
    </InSet>
  </PropertyConstraint>

  <LiteralValueConstraint>
    <LanguageConstraint occurrence="disallowed"/>
      <SESConstraint list="dcterms:W3CDTF"/>
    </LiteralValueConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity" type="literal">
  <PropertyConstraint>
    <InSet>
      <Option value="dc:alternative"/>
      <Option value="band:musicalStyle"/>
    </InSet>
  </PropertyConstraint>

  <LiteralValueConstraint>
    <LanguageConstraint occurrence="mandatory"/>
  </LiteralValueConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="dcterm:hasVersion"/>
    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint description="arrangement">
    <ValueURIConstraint occurrence="disallowed"/>
      <VESConstraint occurrence="disallowed" />
    <ValueStringConstraint occurrence="disallowed"/>
  </NonLiteralConstraint>
  </StatementTemplate>
</DescriptionTemplate>

<DescriptionTemplate ID="sheet-music" standalone="no">

  <ResourceConstraint>
    <MemberOf>
      <Option value="band:sheetMusic"/>
    </MemberOf>
  </ResourceConstraint>

  <StatementTemplate minOccurs="0" maxOccurs="infinity" type="literal">
  <PropertyConstraint>
    <InSet>
      <Option value="band:variation"/>
      <Option value="band:length"/>
    </InSet>

```

```

</PropertyConstraint>

<LiteralValueConstraint>
  <LanguageConstraint occurrence="mandatory"/>
</LiteralValueConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="1" type="nonliteral">
<PropertyConstraint>
  <InSet>
    <Option value="band:format"/>
  </InSet>
</PropertyConstraint>

<NonLiteralConstraint >
  <ValueURIConstraint occurrence="optional"/>
    <VESConstraint occurrence="mandatory" />
    <SESConstraint occurrence="disallowed" />
    <LanguageConstraint occurrence="disallowed" />
  <ValueStringConstraint maxOccur="infinity"/>
</NonLiteralConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
<PropertyConstraint>
  <InSet>
    <Option value="band:language"/>
  </InSet>
</PropertyConstraint>

<NonLiteralConstraint >
  <ValueURIConstraint occurrence="optional"/>
    <VESConstraint list="dcterms:RFC3066" />
    <SESConstraint occurrence="disallowed" />
    <LanguageConstraint occurrence="disallowed" />
  <ValueStringConstraint maxOccur="infinity"/>
</NonLiteralConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
<PropertyConstraint>
  <InSet>
    <Option value="dcterm:isFormatOf"/>
  </InSet>
</PropertyConstraint>

<NonLiteralConstraint description="arrangement" >
  <ValueURIConstraint occurrence="disallowed"/>
    <VESConstraint occurrence="disallowed" />
  <ValueStringConstraint occurrence="disallowed"/>
</NonLiteralConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
<PropertyConstraint>
  <InSet>
    <Option value="dcterm:isPartOf"/>

```

```

    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint description="physical-item" >
    <ValueURIConstraint occurrence="disallowed"/>
    <VESConstraint occurrence="disallowed" />
    <ValueStringConstraint occurrence="disallowed"/>
  </NonLiteralConstraint>
</StatementTemplate>

</DescriptionTemplate>

<DescriptionTemplate ID="recording" standalone="no">

  <ResourceConstraint>
    <MemberOf>
      <Option value="band:recording"/>
    </MemberOf>
  </ResourceConstraint>

  <StatementTemplate minOccurs="0" maxOccurs="1" type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="band:format"/>
    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint >
    <ValueURIConstraint occurrence="optional"/>
    <VESConstraint occurrence="mandatory" />
    <SESConstraint occurrence="disallowed" />
    <LanguageConstraint occurrence="disallowed" />
    <ValueStringConstraint maxOccur="infinity"/>
  </NonLiteralConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
  <PropertyConstraint>
    <InSet>
      <Option value="dc:created"/>
    </InSet>
  </PropertyConstraint>

  <LiteralValueConstraint>
    <LanguageConstraint occurrence="disallowed"/>
    <SESConstraint list="dcterms:W3CDTF"/>
  </LiteralValueConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity" type="literal">
  <PropertyConstraint>
    <InSet>
      <Option value="band:variation"/>
      <Option value="band:length"/>
      <Option value="band:performers" />
      <Option value="band:ensembleName" />
    </InSet>
  </PropertyConstraint>

  <LiteralValueConstraint>

```

```

    <LanguageConstraint occurrence="mandatory"/>
  </LiteralValueConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="band:instrumentation"/>
    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint >
    <ValueURIConstraint occurrence="optional"/>
      <VESConstraint list="kanzaki:Musical_Instrument" />
    <ValueStringConstraint maxOccur="1"/>
  </NonLiteralConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity" >
  <PropertyConstraint>
    <InSet>
      <Option value="band:recordingLocation"/>
    </InSet>
  </PropertyConstraint>

  <LiteralValueConstraint>
    <LanguageConstraint occurrence="mandatory"/>
  </LiteralValueConstraint>

  <NonLiteralConstraint >
    <ValueURIConstraint occurrence="optional"/>
      <VESConstraint occurrence="optional" />
    <ValueStringConstraint maxOccur="infinity"/>
      <LanguageConstraint occurrence="conditional" />
  </NonLiteralConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="dcterms:isFormatOf"/>
    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint description="arrangement" >
    <ValueURIConstraint occurrence="disallowed"/>
      <VESConstraint occurrence="disallowed" />
    <ValueStringConstraint occurrence="disallowed"/>
  </NonLiteralConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="dcterms:isPartOf"/>
    </InSet>
  </PropertyConstraint>

```

```

    <NonLiteralConstraint description="physical-item" >
      <ValueURIConstraint occurrence="disallowed"/>
      <VESConstraint occurrence="disallowed" />
      <ValueStringConstraint occurrence="disallowed"/>
    </NonLiteralConstraint>
  </StatementTemplate>
</DescriptionTemplate>

<DescriptionTemplate ID="drill" standalone="no">

  <ResourceConstraint>
    <MemberOf>
      <Option value="band:drill"/>
    </MemberOf>
  </ResourceConstraint>

  <StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
    <PropertyConstraint>
      <InSet>
        <Option value="dc:created"/>
      </InSet>
    </PropertyConstraint>

    <LiteralValueConstraint>
      <LanguageConstraint occurrence="disallowed"/>
      <SESConstraint list="dcterms:W3CDTF"/>
    </LiteralValueConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="1" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="dc:creator"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint>
      <ValueURIConstraint occurrence="optional"/>
      <VESConstraint occurrence="mandatory" />
      <SESConstraint occurrence="disallowed" />
      <LanguageConstraint occurrence="disallowed" />
      <ValueStringConstraint maxOccur="1"/>
    </NonLiteralConstraint>
  </StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="1" type="nonliteral">
    <PropertyConstraint>
      <InSet>
        <Option value="band:format"/>
      </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
      <ValueURIConstraint occurrence="optional"/>
      <VESConstraint occurrence="mandatory" />
      <SESConstraint occurrence="disallowed" />
      <LanguageConstraint occurrence="disallowed"/>

```

```

    <ValueStringConstraint maxOccurs="infinity"/>
  </NonLiteralConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
  <PropertyConstraint>
    <InSet>
      <Option value="band:ensembleSize"/>
    </InSet>
  </PropertyConstraint>

  <LiteralValueConstraint>
    <LanguageConstraint occurrence="mandatory"/>
  </LiteralValueConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="dcterm:isFormatOf"/>
    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint description="arrangement" >
    <ValueURIConstraint occurrence="disallowed"/>
    <VESConstraint occurrence="disallowed" />
    <ValueStringConstraint occurrence="disallowed"/>
  </NonLiteralConstraint>
</StatementTemplate>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>
      <Option value="dcterm:isPartOf"/>
    </InSet>
  </PropertyConstraint>

  <NonLiteralConstraint description="physical-item" >
    <ValueURIConstraint occurrence="disallowed"/>
    <VESConstraint occurrence="disallowed" />
    <ValueStringConstraint occurrence="disallowed"/>
  </NonLiteralConstraint>
</StatementTemplate>
</DescriptionTemplate>

<DescriptionTemplate ID="method-book" standalone="no">

  <ResourceConstraint>
    <MemberOf>
      <Option value="band:methodBook"/>
    </MemberOf>
  </ResourceConstraint>

  <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
  <PropertyConstraint>
    <InSet>

```

```

        <Option value="band:skillLevel"/>
    </InSet>
</PropertyConstraint>

<NonLiteralConstraint >
    <ValueURIConstraint occurrence="optional"/>
    <VESConstraint occurrence="mandatory"/>
    <ValueStringConstraint maxOccur="infinity"/>
</NonLiteralConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
<PropertyConstraint>
    <InSet>
        <Option value="band:instrumentation"/>
    </InSet>
</PropertyConstraint>

<NonLiteralConstraint >
    <ValueURIConstraint occurrence="optional"/>
        <VESConstraint list="kanzaki:Musical_Instrument" />
    <ValueStringConstraint maxOccur="1"/>
</NonLiteralConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="1" maxOccurs="1" type="literal">
<PropertyConstraint>
    <InSet>
        <Option value="dc:title"/>
    </InSet>
</PropertyConstraint>

<LiteralValueConstraint>
    <LanguageConstraint occurrence="mandatory"/>
</LiteralValueConstraint>
</StatementTemplate>

    <StatementTemplate minOccurs="0" maxOccurs="infinity" type="literal">
<PropertyConstraint>
    <InSet>
        <Option value="band:methodType"/>
    </InSet>
</PropertyConstraint>

<LiteralValueConstraint>
    <LanguageConstraint occurrence="mandatory"/>
</LiteralValueConstraint>
</StatementTemplate>

    <StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
<PropertyConstraint>
    <InSet>
        <Option value="dcterms:isPartOf"/>
    </InSet>
</PropertyConstraint>

<NonLiteralConstraint description="physical-item" >
    <ValueURIConstraint occurrence="disallowed"/>

```

```

        <VESConstraint occurrence="disallowed" />
        <ValueStringConstraint occurrence="disallowed"/>
    </NonLiteralConstraint>
</StatementTemplate>

</DescriptionTemplate>

<DescriptionTemplate ID="physical item" standalone="both">

    <ResourceConstraint>
        <MemberOf>
            <Option value="band:physicalItem"/>
        </MemberOf>
    </ResourceConstraint>

    <StatementTemplate minOccurs="1" maxOccurs="1" type="literal">
    <PropertyConstraint>
        <InSet>
            <Option value="dc:title"/>
        </InSet>
    </PropertyConstraint>

    <LiteralValueConstraint>
        <LanguageConstraint occurrence="mandatory"/>
    </LiteralValueConstraint>
</StatementTemplate>

    <StatementTemplate minOccurs="1" maxOccurs="infinity"
type="nonliteral">
    <PropertyConstraint>
        <InSet>
            <Option value="dc:creator"/>
        </InSet>
    </PropertyConstraint>

    <NonLiteralConstraint >
    <!--
        <ValueURIConstraint occurrence="optional"/>
        <VESConstraint occurrence="optional" />
        <SESConstraint occurrence="optional" />
        <LanguageConstraint occurrence="optional" />
        <ValueStringConstraint maxOccur="1"/>
        -->
        <ValueURIConstraint occurrence="optional"/>
        <VESConstraint occurrence="mandatory" />
        <SESConstraint occurrence="disallowed" />
        <LanguageConstraint occurrence="disallowed" />
        <ValueStringConstraint maxOccur="1"/>
    </NonLiteralConstraint>
</StatementTemplate>

    <StatementTemplate minOccurs="0" maxOccurs="infinity" type="literal">
    <PropertyConstraint>
        <InSet>
            <Option value="band:Publisher"/>
            <Option value="band:Series"/>
        </InSet>
    </PropertyConstraint>

    <LiteralValueConstraint>

```

```

    <LanguageConstraint occurrence="mandatory"/>
  </LiteralValueConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="1" type="literal">
<PropertyConstraint>
  <InSet>
    <Option value="dc:created"/>
  </InSet>
</PropertyConstraint>

<LiteralValueConstraint>
  <LanguageConstraint occurrence="disallowed"/>
    <SESConstraint list="dcterms:W3CDTF"/>
  </LiteralValueConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="1" maxOccurs="1" type="literal">
<PropertyConstraint>
  <InSet>
    <Option value="dc:identity"/>
  </InSet>
</PropertyConstraint>

<LiteralValueConstraint>
  <LanguageConstraint occurrence="disallowed"/>
    <SESConstraint occurrence="manatory"/>
  </LiteralValueConstraint>
</StatementTemplate>

<StatementTemplate minOccurs="0" maxOccurs="infinity"
type="nonliteral">
<PropertyConstraint>
  <InSet>
    <Option value="band:hasRecording"/>
  </InSet>
</PropertyConstraint>

<NonLiteralConstraint decription="recording" >
  <ValueURIConstraint occurrence="disallowed"/>
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</NonLiteralConstraint>
</StatementTemplate>

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type="nonliteral">
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  <InSet>
    <Option value="band:hasSheetMusic"/>
  </InSet>
</PropertyConstraint>

<NonLiteralConstraint decription="sheet-music" >
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</StatementTemplate>

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    </InSet>
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type="nonliteral">
  <PropertyConstraint>
    <InSet>
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  </PropertyConstraint>

  <NonLiteralConstraint decription="sheet-music" >
    <ValueURIConstraint occurrence="disallowed"/>
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</StatementTemplate>
</DescriptionTemplate>
</DescriptionSetProfile>
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Usage Guidelines

Skill Level

This property is used to indicate the overall skill level required to successfully learn and perform the music of the resource.

- A controlled vocabulary is required for this property in order to account for standardizing terms and aiding searching and recall. Minimally, an already created general education vocabulary should be used, like the Gateway to Educational Materials Level vocabulary.
- A local controlled vocabulary may be implemented that introduces more flexibility and specifically addresses local concerns.
- If the resource is deemed appropriate for a range of skill levels, multiple entries are allowed, and every level should be enumerated. For example, if using the ASN Education Level vocabulary for music intended for freshmen, sophomores and juniors would use separate instances of the Skill Level property with the terms “Grade 9”, “Grade 10”, and “Grade 11”.
- Including the value URI for the vocabulary term is suggested as best practice for obtaining maximum value from the structure of this AP.