**Dance Record Metadata Archive (DRMA)**

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It is difficult to put dance into words. It engages all the senses: the eyes see the dancer’s body glide effortlessly through the air; the ears listen to the sound, be it music or otherwise, to which the rhythm envelopes the dancer and inspires movement; taste and smell surround the stage as the dancer is immersed in telling his or her story; touch can be fleeting as two dancers attempt to fly into each other’s arms or it is a powerful embrace during a *pas de deux*.

Our schema, named Dance Record Metadata Archive, or DRMA, is an effort to capture what all those senses perceive or, more specifically, what they remember. The audience may not always have the opportunity to walk away with evidence of what they saw at the Kennedy Center, or at the Metropolitan Opera. True, there are playbills handed to patrons, posters displayed at the ticket booth, billboards overlooking streets, but none of these hold the memory of the performance. And this is what this schema, Dance Record Metadata Archive, strives to do: maintain the memory of a performance, rather than focus on the container of the performance.

Our hope is that DRMA can be easily used and made accessible to persons and places such as archivists, dance researchers, administrators, libraries, and dance companies and schools.

A word on the difference between container and the maintenance of memory: when we say container, we tend to visualize an enclosed device that houses something inside. For example, a DVD contains the performance of the troupe Bellydance Superstars in Paris at the Folie Bergere; a VHS contains the performance of Michael Flatley and his 1998 production of Feet of Flames in Hyde Park, London. But there is a commercial quality to these containers. The containers are produced commercially and enclose the performance and then the container is sold to the general public for, presumably, pleasure viewing. But these containers, due to their very nature, do not aid in maintaining the memory of the performance.

What then is meant by memory and the maintenance of it and for whose benefit?  Memory involves the senses and the result is the act of remembering a certain time, place or thing. The audience of 25,000 at Hyde Park will remember the powerful sound of the tap dancers as they follow as one in the steps of Michael Flatley’s energetic tap dancing. They will remember the shimmering colors of the costumes and how the late afternoon twilight framed the open stage. Thus far, the audience mentioned is the one acting solely as the viewer. That is, the viewer of a dance performance that spans a brief time frame on a given day but is ultimately the final product of various components that have laboriously come together through meticulous planning.  This particular audience will remember the performance regardless of its quality. But there is another audience involved in a dance performance and it is for them that this schema intends to aid. In this schema, we refer to the persons involved within the performance: producers, choreographers, composers, dancers, designers, to name a few examples, and the relevant information pertaining to each.

The way this audience perceives the memory of the performance is not acting as a viewer facing the stage nor is their memory of the performance maintained by programs, posters and billboards. Rather, it is through noting roles (e.g. Costume Designer, Dancers, Producers), technical aspects (e.g. set designs, sound), rights information (e.g. versioning, rights for music) and related objects (e.g. dance notations, rehearsal videos).

In short, DRMA puts administrative, descriptive, and rights metadata together. It functions as a compiler of information that would otherwise be stored separately that makes the information accessible to the audience, so that a fraction of the memory of the performance might be maintained.

The origins of DRMA were first found with exposure to CDWA Lite, an existing metadata schema whose focus is on cultural heritage objects. Though meticulous in its structure and intention, schemas used for cataloguing cultural heritage are, such as Categories for the Descriptions for Works of Art (CDWA), are not inclusive of non-material art objects. Dance performance is its own art form, with some choreographies such as those of George Balanchine, reaching the level of cultural heritage. But considering the kind of metadata DRMA gathers, which for the most part, does not exist in CDWA, it was more practical to create a new schema for dance performance rather than attempt to add to CDWA.

This is not to say that DRMA is the first to preserve dance. In 2015, Pierfrancesco Bellini and Paolo Nesi released a model for capturing the cultural heritage memory for performing arts: European Collected Library of Artistic Performance (ECLAP) was to be used to aggregate entities of performance art for Europeana[[1]](#footnote-1). Although their model well suits the capture of memory, per its purpose, it does not fit the needs of a small repository because of its purpose to link data on a large scale. In 2014, the Dance Heritage Coalition (DHC), an alliance dance institutions, launched a project called Media Network, to preserve the varying audiovisual formats using PBCore[[2]](#footnote-2). DRMA operates on a similar level of DHC’s project but with its unique focus, like ECLAP, on the maintenance of memory rather than simply being another metadata schema documentation audiovisual or various physical object that act as containers for the performance.  For this reason, the element of Related Object exists. Ephemera, such as posters and programs, commercial releases in different formats are excluded from Related Object. Instead, the objects there aid the memory: dance notations, drafts of the composition, costume swatches, rehearsal documentation, be it audiovisual or otherwise, papers and prints detailing set and costume designs. These related objects serve the purpose of self-studying, memorization, improve repertoire, understanding overall process — all relevant to the maintenance of memory. Thus, the sub-element Format Extension, which exists within the Related Object wrapper, allows the inclusion of information from other schemas such as PBCore, MODS, MIX, and MARC, which in turn, because of how those schemas are designed, can provide more information about the related object.

Most element attributes in DRMA are recommended for best practice but are not required unless stated. Although controlled versions of names, titles, and other terms are highly recommended, they are not required. We make authority control optional because many terms, mainly contributing entities, may not be officially controlled through any authority; also, we realize that not every institution using this schema will have a local thesaurus of identifiers. Therefore, we recommend common thesauri, such as the Library of Congress Name Authority File but realize that other thesauri, both public and local, can and should be used. For instance, a contributor’s name might be in a German or French authority file instead of one from the United States, because of the nature of the choreographic piece.

Finding recommended thesauri for some elements and attributes proved difficult. Particularly, we could not find one that would be consistent enough to recommend for performerRole, which is the element that contains the name of the character played by the performer. A search in all the Library of Congress thesauri for common roles such as the “Sugar Plum Fairy” provided either nothing, or the title of the associating dance. While authorities prove useful in other sections of our schema, they function poorly in this instance. Again, this difficulty of finding open access controlled vocabularies cemented our decision to have authority control be optional, though highly recommended.

The choice to create a validating .xsd file for our schema influenced the way we put the schema into practice. The simplest way to create the schema, and this is the way we present version 1.1, is simply to create the root element and expand out from there. When nesting elements, however, XSD creation only allows three options: sequence, all, or choice. The default is sequence, meaning that the elements *must* appear in the order given in the schema. All or choice unfortunately do not give any better options, as all means that all must appear at least once (removing the ability to make elements “optional”). Furthermore, choice means that only one element from the list may be used. Therefore, in our .xsd, all complexType elements that contain other elements do use the sequence indicator.

If we were to make a version 1.2 of DRMA, we would consider rewriting it to function like PREMIS or CDWA Lite, in which each element and attribute exists on its own, and then these are “referenced” by other elements and attributes. An example of what this looks like follows:

<!-- Root Element Declaration -->

<xsd:element name="drma">

    <xsd:annotation>

        <xsd:documentation>Root element</xsd:documentation>

    </xsd:annotation>

    <xsd:complexType>

        <xsd:sequence>

            <xsd:element ref="drma:titleWrap"/>

            <xsd:element ref="drma:styleWrap"/>

            <xsd:element ref="drma:companyWrap"/>

            <xsd:element ref="drma:contributorWrap"/>

            <xsd:element ref="drma:performanceWrap"/>

            <xsd:element ref="drma:relatedObjectWrap"/>

            <xsd:element ref="drma:rightsWrap"/>

        </xsd:sequence>

    </xsd:complexType>

</xsd:element>

<!-- Wrapper Declarations -->

<xsd:element name="titleWrap">

    <xsd:annotation>

        <xsd:documentation>Wrapper containing title information for choreographic

work and composition.</xsd:documentation>

    </xsd:annotation>

    <xsd:complexType>

        <xsd:sequence>

            <xsd:element ref="drma:titleSet"/>

        </xsd:sequence>

    </xsd:complexType>

</xsd:element>

Designing our schema like this also allows for the creation of records that only contain certain elements, and do not necessarily follow our best practices. However, the schema is perfectly functional as-is, and simply choosing “add optional” when using Oxygen fills out all the elements for a user. If this schema were somehow to be turned into a functional database, we imagine something similar would happen.

Before releasing this schema for repository use, some additional modifications and additions should be considered by a board with more extensive subject-specific expertise. The accompanying example xml files exhibit a few aspects of the schema, while illustrating the need to continue considering how best to compose the schema to fit the needs of repositories. Currently, the schema allows for linking between element “chunks” (e.g., danceNotationSet links to the relatedObjectWrap and related rightsWrap). In future iterations of the schema, we would like to link to other related performances (e.g., connecting the Allegra Kent version of La Sonnambula to Maria Tallchief’s rendition). Likewise, we would like to allow for embedding of external schemas within the relatedObjectWrap to capture preservation, technical, and descriptive metadata that this schema is not purposed to contain through its original elements. Also within the relatedObjectWrap, a repository might connect rehearsal videos for the performance, thus establishing the creative process of the performing contributors.

We have created DRMA to collect the memory evoked by a dance or movement performance, but the metadata schema will also serve in assisting dance repositories in collecting the descriptive metadata in a singular record. By providing a schema that encourages the inclusion of all contributing entities, names lesser known will hopefully be preserved in the cultural heritage memory.

**Semantic Units**

**1. Title**

1.1 Title

1.1.1 Title of Performance

1.1.2 Alternate Title of Performance

1.2 Title of Composition

**2. Style**

2.1 Movement Style

2.2 Movement Sub-style

**3. Company**

3.1 Company Name

3.2 Company Location

**4. Contributor**

4.1 Choreography Set

4.1.1 Movement Set

4.1.1.1 Choreographer

4.1.1.2 Linking Choreography Rights

4.1.2 Dance Notation

4.1.2.1 Recording Agent

4.1.2.2 Linking Dance Notation

4.1.2.3 Linking Rights

4.1.2 Composition Set

4.2.1 Composer

4.2.2 Composition Arranger

4.2.3 Linking Rights

4.3 Production Contributors Set

4.3.1 Production Contributors

4.4 Musician Set

4.4.1 Conductor

4.4.2 Musician

4.5 Technical Contributors Set

4.5.1 Technical Director

4.5.2 Lighting Set

4.5.2.1 Lighting Designer

4.5.2.1 Lighting  Description

4.5.3 Sound Set

4.5.3.1 Sound Designer

4.5.3.2 Sound Description

4.5.4 Scenic Design Set

4.5.4.1 Scenic Designer

4.5.4.2 Scenic Description

4.5.5 Costume Set

4.5.5.1  Costume Designer

4.5.5.2 Costume Description

4.5.6 Tech Crew

4.5.6.1 Tech Crew Name

4.5.7 Photography Set

4.5.7.1 Photographer

4.5.7.2 Linking Photograph

4.5.7.2 Linking Rights

4.5.8 Videography Set

4.5.8.1 Videographer

4.5.8.2 Editor

4.5.8.3 Linking Audiovisual Object

4.5.8.4 Linking Rights

4.6 Performance Contributor

4.6.1 Performer Set

4.6.1.1 Performer Name

4.6.1.2 Performer Role

**5. Performance**

5.1. Location of Performance

5.2 Dates of Performance

5.2.1 Significant Date

5.2.2 Earliest Date

5.2.3 Latest Date

5.3 Performance Duration

**6. Related Object**

6.1. Related Object Identifier

6.2 Format

6.2.1 Format Type

6.2.2 Format Sub Type

6.2.3 Format Date

6.2.3.1 Significant Date

6.2.3.2 Earliest Date

6.2.3.3 Latest Date

6.2.4 Format Duration

6.2.5 Format Extension

6.3 Linking Rights

**7. Rights**

7.1. Rights

7.1.1. Rights Statement

7.1.2 Linking Object or Creative Entity

**Hierarchal Visualization**

<drma>

<titleWrap>

<titleSet>

<title></title>

<altTitle></altTitle>

</titleSet>

<titleOfComposition></titleOfComposition>

</titleWrap>

<styleWrap>

<movementStyle></movementStyle>

<movementSubStyle></movementSubStyle>

</styleWrap>

<companyWrap>

<companyName></companyName>

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</companyWrap>

<contributorWrap>

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<formatSubType></formatSubType>

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<earliestDate></earliestDate>

<latestDate></latestDate>

</formatDate>

<formatDuration></formatDuration>

<formatExtension></formatExtension>

</format>

<linkingRights></linkingRights>

</relatedObjectWrap>

<rightsWrap>

<rightsSet>

<rightsType></rightsType>

<rightsStatement></rightsStatement>

</rightsSet>

</rightsWrap>

</drma>

**Data Dictionary**

**Root element tag:** <drma>

**1.** **Element:** Title Wrapper

**Element tag:** <titleWrap>

**Description:** Wrapper containing title information for *choreographic work* and *composition*. **Non-repeatable**

**Required**

**1.1. Sub-element:** Title Set

**Element tag:** <titleSet>

**Description:** Wrapper for *choreographic work title* and *alternate title*.

**Non-repeatable**

**Required**

**1.1.1. Sub-element:** Title of Performance

**Element tag:** <titleOfPerformance>

**Description:** Title of the performance being described. If title is preceded by an article, keep the original syntax (e.g., The Rite of Spring instead of Rite of Spring, The).

**Attribute:** *lang* (non-repeatable; optional, recommended); *titlesource* (non-repeatable; optional, recommended); *titlesourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *lang*:** Formulate language per ISO 639-2, RFC 3066.

**Recommended values for *titlesource* and *titlesourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**1.1.2. Sub-element:** Alternate Title of Performance

**Element tag:** <altTitle>

**Description:** Alternative or translated title of the performance being described.  If title is preceded by an article, keep the original syntax (e.g., Le Sacre du Printemps instead of Sacre du Printemps, Le).

**Attribute:** *type* (non-repeatable; required); *lang* (non-repeatable; optional, recommended); *titlesource* (non-repeatable; optional, recommended); *titlesourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Optional**

**Recommended values for *type*:** The following values should be considered as best practice: *alternate spelling, translation, local term.*

**Recommended values for *lang*:** Formulate language according to ISO 639-2, RFC 3066.

**Recommended values for *titlesource* and *titlesourceID*:** Controlled. Recommended Library of Congress Name Authority File

**1.2. Sub-element:** Title of Composition

**Element tag:** <titleOfComposition>

**Description:** Title of the composition accompanying the movement performance. If title is preceded by an article, keep the original syntax (e.g., The Sleeping Beauty instead of Sleeping Beauty, The).

**Attribute:** *lang* (non-repeatable; optional, recommended); *titlesource* (non-repeatable; optional, recommended); *titlesourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *lang*:** Formulate language per ISO 639-2, RFC 3066.

**Recommended values for *titlesource* and *titlesourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**2. Element:** Style Wrapper

**Element tag:** <styleWrap>

**Description:** Wrapper for *movement style* and *movement sub-style*, indicating the type of dance performance being described.

**Non-repeatable**

**Required**

**2.1. Sub-element:** Movement Style

**Element tag:** <movementStyle>

**Description:** Specifies the category of dance exhibited in the performance. For example, Ballet is a category of dance.

**Attribute:** *termsource* (non-repeatable; optional, recommended); *termsourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *termsource* and *termsourceID*:** Controlled. Recommended Library of Congress Subject or Genre/Form Authorities or Art and Architecture Thesaurus.

**2.2. Sub-element:** Movement Sub-style

**Element tag:** <movementSubStyle>

**Description:** Specifies the sub-category of dance exhibited in the performance. For example, Classical Ballet is a sub-style of Ballet.

**Attributes:** *termsource* (non-repeatable; optional, recommended); *termsourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Optional**

**Recommended values for *termsource* and *termsourceID*:** Controlled. Recommended Library of Congress Subject or Genre/Form Authorities or Art and Architecture Thesaurus.

**3. Element:** Company Wrapper

**Element tag:** <companyWrap>

**Description:** Wrapper for *company name* and *company location*.

**Non-repeatable**

**Required, if applicable**

**3.1. Sub-element:** Company Name

**Element tag:** <companyName>

**Description:** Name of the dance troupe at the time of the performance being described.

**Attributes:** *namesource; namesourceID*

**Non-repeatable**

**Required**

**Recommended values for *namesource* and *namesourceID*:** Controlled. Recommended Library of Congress Name Authority File

**3.2. Sub-element:** Company Location

**Element tag:** <companyLocation>

**Description:** The physical location at which a company is based, at the time of performance being described.

**Attributes:** *termsource; termsourceID*

**Non-repeatable**

**Required, if applicable**

**Recommended values for *termsource* and *termsourceID*:** Controlled. Recommended Library of Congress Subject Headings

**4. Element:** Contributor Wrapper

**Element tag:** <contributorWrap>

**Description:** Wrapper for describing contributing entities. Includes sub-elements *choreographySet*, *compositionSet*, *productionContributorsSet*

**Non-repeatable**

**Required**

**4.1. Sub-element:** Choreography Set

**Element tag:** <choreographySet>

**Description:** Wrapper containing all elements related to the creation of *choreography.*

**Non-repeatable**

**Required**

**4.1.1. Sub-element:** Movement Set

**Element tag:** <movementSet>

**Description:** Wrapper containing elements related to the choreographer and the intellectual property of the choreographed movement.

**Attribute:** *type* (repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *type*:** *original, rendition*

**4.1.1.1. Sub-element:** Choreographer

**Element tag:** <choreographer>

**Description:** Individual responsible for the creation or arrangement of dance movement. Should be repeated for co-choreographers. If capturing an individual responsible for the original performance dance movement, in addition to the rendition choreographer, individual should be indicated with a repeated movementSet accompanied by the appropriate type attribute (e.g., Marius Petipa is responsible for the choreography for the original world premiere of Swan Lake).

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.1.1.2. Sub-element:** Linking Rights

**Element tag:** <linkingRights>

**Description:** *Rights statement* value for *choreography*, as identified in the *rightsWrap.*

**Non-repeatable**

**Required, if applicable**

**4.1.2. Sub-element:** Dance Notation Set

**Element-tag:** <danceNotationSet>

**Description:** Wrapper for *dance notation* elements*.*

**Attribute:** *type* (non-repeatable; optional, recommended)

**Non-repeatable**

**Optional**

**Recommended values for *type*:** *labanotation, benesh, 3D motion capture*; if recommended values are not inclusive of the dance notation described, use best practice local term.

**4.1.2.1. Sub-element:** Recording Agent

**Element tag:** <recordingAgent>

**Description:** Individual or software responsible for the capture of movement. May either be written capture or motion capture.

**Attribute:***type* (non-repeatable; required); *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *type*:** *software, person*

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File or PRONOM.

**4.1.2.2. Sub-element:** Linking Dance Notation

**Element tag:** <linkingDanceNotation>

**Description:** Data value of the *relatedObjectIdentifier* for *dance notation* objects.

**Non-repeatable**

**Required**

**4.1.2.3. Sub-element:** Linking Rights

**Element tag:** <linkingRights>

**Description:** *Rights statement* value for *dance notation*, as identified in the *rightsWrap*.

**Non-repeatable**

**Required, if applicable**

**4.2. Sub-element:** Composition Set

**Element tag:** <compositionSet>

**Description:** Wrapper containing *composer* and *arranger* contributors, and *linking rights.*

**Non-repeatable**

**Required, if applicable**

**4.2.1. Sub-element:** Composer

**Element tag:** <composer>

**Description:** The individual responsible for the writing the original composition.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required, if applicable**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.2.2. Sub-element:** Composition Arranger

**Element tag:** <arranger>

**Description:** The individual responsible for the arrangement of an original composition.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required, if applicable**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.2.3. Sub-element:** Linking Rights

**Element tag:** <linkingRights>

**Description:** *rightsStatement* value for a *composition*, as identified in the *rightsWrap*.

**Non-repeatable**

**Required, if applicable**

**4.3. Sub-element:** Production Contributors Set

**Element tag:** <productionContributorsSet>

**Description:** Wrapper for the contributors responsible for the managerial aspects of the company performance.

**Non-repeatable**

**Required, if applicable**

**4.3.1. Sub-element:** Production Contributors

**Element tag:** <productionContributors>

**Description:** Individuals responsible for the managerial aspects of the company. Their roles within the company should be noted in the *type* attribute*.*

**Attribute:** *type* (non-repeatable; required); *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *type*:** *producer, donor, artistic director*; if recommended values are not inclusive of identified agent, use best practice local term.

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.4. Sub-element:** Musician Set

**Element tag:** <musicianSet>

**Description:** Wrapper for *contributing musicians*. *Type* attribute will specify the music group type (e.g., orchestra, ensemble, string quartet).

**Attribute:** *type* (repeatable; optional, recommended)

**Non-repeatable**

**Required, if applicable**

**Recommended values for *type*:** Controlled. Recommended Library of Congress Authority File.

**4.4.1. Sub-element:** Conductor

**Element tag:** <conductor>

**Description:** Individual responsible for directing the performance of a music compilation; inclusive of orchestra, ensemble, choir, etc.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required, if applicable**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Authority File.

**4.4.2. Sub-element:** Musician

**Element tag:** <musician>

**Description:** Individual responsible for performing the composition, generally by means of an instrument or voice.

**Attribute:** *instrument* (repeatable; optional, recommended); *instrumentsource* (repeatable; optional, recommended); *instrumentsourceID* (repeatable; optional, recommended); *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *instrument, instrumentsource, and instrumentsourceID:*** Controlled. Recommended Library of Congress Medium of Performance Thesaurus for Music.

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5. Sub-element:** Technical Contributors Set

**Element tag:** <technicalContributorsSet>

**Description:** Wrapper for contributors responsible for the all the technical aspects of the production. Individuals not identified in controlled vocabulary authority should be established as a local term.

**Non-repeatable**

**Required, if applicable**

**4.5.1. Sub-element:** Technical Director

**Element tag:** <technicalDirector>

**Description:** Individual responsible for the organization of the technical production aspects of the performance.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required, if applicable**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.2. Sub-element:** Lighting Set

**Element tag:** <lightingSet>

**Description:** Wrapper for *lighting designer* and *lighting description*. **Non-repeatable**

**Required, if applicable**

**4.5.2.1. Sub-element:** Lighting Designer

**Element tag:** <lightingDesigner>

**Description:** The individual responsible for designing the lighting for the performance.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.2.2. Sub-element:** Lighting Description

**Element tag:** <lightingDescription>

**Description:** A brief text that describes the visualization of the lighting. May include descriptive elements of the color scheme, equipment used, or personnel required for operation. May either be a technical description of the required technologies to reproduce the lighting or a perceived description of the appearance.

**Non-repeatable**

**Optional** (recommended)

**4.5.3. Sub-element:** Sound Set

**Element tag:** <soundSet>

**Description:** Wrapper for *sound designer* and *sound description*.

**Non-repeatable**

**Required, if applicable**

**4.5.3.1. Sub-element:** Sound Designer

**Element tag:** <soundDesigner>

**Description:** The individual responsible for designing the sound for the performance.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.3.2. Sub-element:** Sound Description

**Element tag:** <soundDescription>

**Description:** A brief text that describes the sound for the performance; may include sound cues, sound effects, sound system or any relating descriptor of how the sound is managed or controlled.

**Non-repeatable**

**Optional** (recommended)

**4.5.4. Sub-element:** Scenic Design Set

**Element tag:** <scenicDesignSet>

**Description:** Wrapper for *scenic designer* and *scenic description*.

**Non-repeatable**

**Required, if applicable**

**4.5.4.1. Sub-element:** Scenic Designer

**Element tag:** <scenicDesigner>

**Description:** The individual responsible for designing the set.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.4.2. Sub-element:** Scenic Description

**Element tag:** <scenicDescription>

**Description:** A brief text that describes the scenic display for the performance; may include descriptions of props, stage layout, set, or any other descriptors relating to the physical appearance of the stage.

**Non-repeatable**

**Optional** (recommended)

**4.5.5. Sub-element:** Costume Set

**Element tag:** <costumeSet>

**Description:** Wrapper for *costume designer* and *costume description*.

**Non-repeatable**

**Required, if applicable**

**4.5.5.1. Sub-element:** Costume Designer

**Element tag:** <costumeDesigner>

**Description:** Individual responsible for creating the physical representation of character. Includes individuals responsible for makeup and hair.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.5.2. Sub-element:** Costume Description

**Element tag:** <costumeDescription>

**Description:** A brief text that describes the physical appearance and design of the costumes, hair, and makeup.

**Repeatable**

**Required, if applicable**

**4.5.6. Sub-element:** Tech Crew

**Element tag:** <techCrewSet>

**Description:** Wrapper containing individuals responsible for technical aspects of a production not already identified.

**Non-repeatable**

**Required, if applicable**

**4.5.6.1. Sub-element:** Tech Crew Name

**Element tag:** <techCrewName>

**Description:** Individuals contributing to non-design technical aspects of the production.

**Attribute:** *role* (repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *role*:** *crew chief, prop master, stage manager, assistant stage manager, sound crew, lighting crew, set crew, costume crew*; if recommended values are not inclusive of identified agent, use best practice local term.

**4.5.7. Sub-element:** Photographer Set

**Element tag:** <photographerSet>

**Description:** Wrapper for *photographer*, *photograph related object*, and *linking rights.*

**Non-repeatable**

**Required, if applicable**

**4.5.7.1. Sub-element:** Photographer

**Element tag:** <photographer>

**Description:** Individual responsible for recording the performance and performance process with still images.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.7.2. Sub-element:** Linking Photograph

**Element tag:** <linkingPhotograph>

**Description:** Data value of the *relatedObjectIdentifier* for *photograph* objects*.*

**Repeatable**

**Required, if applicable**

**4.5.7.3. Sub-element:** Linking Rights

**Element tag:** <linkingRights>

**Description:** *rightsStatement* value for the *photograph* *related object*, as identified in the *rightsWrap*.

**Non-repeatable**

**Required, if applicable**

**4.5.8. Sub-element:** Videography Set

**Element tag:** <videographySet>

**Description:** Wrapper containing *videographer*, *editor*, *audiovisual related object*, and *linking rights.* Individuals may be part of a corporate entity that is not related to the dance company.

**Non-repeatable**

**Required, if applicable**

**4.5.8.1. Sub-element:** Videographer

**Element tag:** <videographer>

**Description:** Individual responsible for capturing the performance as a moving image.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.8.2. Sub-element:** Editor

**Element tag:** <editor>

**Description:** Individual responsible for editing the filmed footage of the performance.

**Attribute:** *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required, if applicable**

**Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.5.8.3. Sub-element:** Linking Audiovisual Object

**Element tag:** <linkingAudiovisual>

**Description:** Data value of the *relatedObjectIdentifier* for *audiovisual* objects*.*

**Repeatable**

**Required, if applicable**

**4.5.8.4. Sub-element:** Linking Rights

**Element tag:** <linkingRights>

**Description:** *rightsStatement* value for the *audiovisual related object*, as identified in the *rightsWrap*.

**Non-repeatable**

**Required, if applicable**

**4.6. Sub-element:** Performance Contributors

**Element tag:** <performanceContributors>

**Description:** Wrapper for individuals contributing to the portrayal and interpretation of movement.

**Non-repeatable**

**Required**

**4.6.1. Sub-element:** Performer Set

**Element tag:** <performerSet>

**Description:** Wrapper for the *performer name* and *performer role.* Set should be repeated for multiple performance contributors.

**Repeatable**

**Required**

**4.6.1.1. Sub-element:** Performer Name

**Element tag:** <performerName>

**Description:** Individual responsible for the interpretation and performance of movements as created by the choreographer.

**Attribute:** *type* (non-repeatable; optional, recommended); *agentsource* (non-repeatable; optional, recommended); *agentsourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *type*:** *principal, soloist, corps de ballet, featured*; if recommendedare not inclusive of performance agent, use best practice local term. **Recommended values for *agentsource* and *agentsourceID*:** Controlled. Recommended Library of Congress Name Authority File.

**4.6.1.2. Sub-element:** Performer Role

**Element tag:** <performerRole>

**Description:** Name of character represented by the performer indicated in *performerName*.

**Repeatable**

**Required, if applicable**

**Data values:** Use discipline and local term best practice for naming characters.

**5. Element:** Performance Wrapper

**Element tag:** <performanceWrap>

**Description:** Wrapper containing specifics of the performance, including *location*, *dates of performance*, and *performanceDuration.*

**Non-repeatable**

**Required**

**5.1. Sub-element:** Location of Performance

**Element tag:** <locationOfPerformance>

**Description:** The physical location of a performance. If the location is a theatre or performance space, the element value should be the name of the theatre or performance space.

**Attribute:** *termsource* (non-repeatable; optional, recommended); *termsourceID* (non-repeatable; optional, recommended)

**Repeatable**

**Required**

**Recommended values for *termsource* and *termsourceID:*** Controlled. Recommended Library of Congress Name Authority File or Library of Congress Subject Headings.

**5.2. Sub-element:** Dates of Performance

**Element tag:** <datesOfPerformance>

**Description:** Wrapper containing the *display date,* and *earliest date* and *latest date* of a performance series. If the record is capturing only one performance instance, use *significantDate* for data value.

**Non-repeatable**

**Required**

**5.2.1. Sub-element:** Significant Date

**Element tag:** <significantDate>

**Description:** This element may include the span dates of a performance or a significant date of performance, such as a world premiere. If there are multiple significant dates of a performance, the element may be repeated.

**Attribute:** *type* (repeatable; optional)

**Repeatable**

**Required**

**Recommended values for *type*:** *world premiere, company premiere*

**Data values:** Dates should be formatted in archival format: YYYY-MM-DD. If exact date is unknown, include known dates (e.g., YYYY-MM or YYYY).  If date is unknown, use *unknown.* If date is estimated, use *circa* before date.

**5.2.2. Sub-element:** Earliest Date

**Element tag:** <earliestDate>

**Description:** The first date of the performance series.

**Non-repeatable**

**Optional**

**Data values:** Dates should be formatted in archival format: YYYY-MM-DD. If exact date is unknown, include known dates (e.g., YYYY-MM or YYYY).

**5.2.3. Sub-element:** Latest date

**Element tag:** <latestDate>

**Description:** The last date of the performance series.

**Non-repeatable**

**Optional**

**Data values:** Dates should be formatted in archival format: YYYY-MM-DD. If exact date is unknown, include known dates (e.g., YYYY-MM or YYYY).

**5.3. Sub-element:** Performance Duration

**Element tag:** <performanceDuration>

**Description:** Estimated running time of the performance.

**Non-repeatable**

**Optional**

**Data values:** Should be formatted as HH:MM:SS. If value is not relevant, replace with 0. For example, one hour, fifteen minutes should written as 01:15:00.

**6. Element:** Related Object Wrapper

**Element tag:** <relatedObjectWrap>

**Description:** A wrapper for *objectIdentifier* and *formatWrap*.  Note, if there is more than one object and/or format, repeat the *relatedObjectWrap*. This wrap refers to objects that help maintain the memory of the performance (e.g. rehearsal videos, costume swatches) rather than act as a container only (e.g. commercial DVDs).

**Attributes**: *type*

**Repeatable**

**Required, if applicable**

**Recommended values for *type*:** *dance notation, audiovisual, ephemera, set designs, scores, photographs*

**6.1 Sub-element:** Related Object Identifier

**Element tag:** <objectIdentifier>

**Description:** Local identifier for object. For best practice, do not repeat the data value of *objectIdentifier* in separate *relatedObjectWrap*s. Maintaining unique identifiers will keep clarity and distinctness when linking elements.

**Non-repeatable**

**Required**

**6.2. Sub-element:** Format Wrapper

**Element tag:** <formatWrap>

**Description:** Wrapper for *formatType*, *formatSubType*, and *formatDate, formatDuration* and *formatExtension.*

**Non-repeatable**

**Required**

**6.2.1. Sub-element:** Format Type

**Element tag:** <formatType>

**Description:** The type of object that provides information about the execution and memory maintenance of the performance.

**Attributes:** *termsource* (non-repeatable; optional, recommended); *termsourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *termsource and termsourceID*:** PRONOM, Art and Architecture Thesaurus, or Library of Congress Subject Headings.

**6.2.2. Sub-element:** Format Sub-Type

**Element tag:** <formatSubType>

**Description:** The specific format of formatType.

**Attribute:** *termsource* (non-repeatable; optional, recommended); *termsourceID* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *termsource and termsourceID*:** PRONOM, Art and Architecture Thesaurus, or Library of Congress Subject Headings

**6.2.3. Sub-element:** Format Date

**Element tag:** <formatDate>

**Description:** Date of the format (this may not always match the date of the performance).

**Non-repeatable**

**Required**

**6.2.3.1. Sub-element:** Significant Date

**Element tag:** <significantDate>

**Description:** This element may include the span dates or a significant date of the object. If there are multiple significant dates of a performance, the element may be repeated.

**Repeatable**

**Required**

**Data values:** Dates should be formatted in archival format: YYYY-MM-DD. If exact date is unknown, include known dates (e.g., YYYY-MM or YYYY).  If date is unknown, use *unknown.* If date is estimated, use *circa* before date.

**6.2.3.2. Sub-element:** Earliest Date

**Element tag:** <earliestDate>

**Description:** A year that denotes the beginning of a date range.  Note, if there is only one year for the object it shall go be indicated in both <earliestDate> and <latestDate> elements. Also, if the date is unknown or is an approximation use attributes.

**Non-repeatable**

**Optional**

**Data values:** Dates should be formatted in archival format: YYYY-MM-DD. If exact date is unknown, include known dates (e.g., YYYY-MM or YYYY).

**6.2.3.3. Sub-element:** Latest Date

**Element tag:** <latest Date>

**Description:** A year that denotes the end of a date range.  Note, if there is only one year for the object it shall go be indicated in both <earliestDate> and <latestDate> elements. If the date is unknown or is an approximation, use attributes.

**Non-repeatable**

**Optional**

**Data values:** Dates should be formatted in archival format: YYYY-MM-DD. If exact date is unknown, include known dates (e.g., YYYY-MM or YYYY).

**6.2.4. Sub-element:** Format Duration

**Element tag:** <formatDuration>

**Description:** The running time, in minutes, if the format is film, video or audio.  Should be formatted as HH:MM:SS. Note: if the related object is a film, the duration may not be known, and due to differences in frames per second, duration may vary.  In this case, indicating the film length, or an approximation is acceptable.  For example, 985 feet; approximately 500 feet.

**Non-repeatable**

**Required**

**Data values:** If duration is unknown is not relevant, insert “unknown”.

**6.2.5. Sub-element:** Format Extension

**Element tag:** <formatExtension>

**Description:** Additional details about the object. (E.g. dimensions, number of pages, information about necessary playback equipment, etc.).  Note, this element allows for other schemas to be inserted that may provide more information about the related object (e.g. a PBCore record about a rehearsal VHS)

**Repeatable**

**Optional**

**6.3. Sub-element:** Linking Rights

**Element tag:** <linkingRights>

**Description:** *Rights statement* value for the *related object, as identified in the rightsWrap.*

**Non-repeatable**

**Required, if applicable**

**7. Element:** Rights Wrapper

**Element tag:** <rightsWrap>

**Description:** Wrapper for the rights information associated with the *choreography*, *composition*, and *related object*.

**Non-repeatable**

**Required, if applicable**

**7.1. Sub-element:** Rights Set

**Element tag:** <rightsSet>

**Description:** Wrapper containing *rights statement.* The attribute *type* indicates where the linking rights exist within the schema. For example, to see the corresponding *choreography* information, view the *choreography wrap* within the *production contributors* section of the schema.

**Attribute:** *type*

**Repeatable**

**Required**

**Recommended values for *type*:** *choreography, composition, related object*

**7.1.1. Sub-element:** Rights Statement

**Element tag:** <rightsStatement>

**Description:** The statement describing the rights of the object. For example, Copyright 1999 Merce Cunningham Trust.

**Attribute:** *type* (non-repeatable; optional, recommended)

**Non-repeatable**

**Required**

**Recommended values for *type*:** *copyright, license, trademark, patent*; if recommended values are not inclusive of the intellectual rights described, use best practice local term.

**7.1.2 Sub-element:** Linking Object or Creative Entity

**Element tag:** <linkingObjectEntity>

**Description:** The related object or creative entity connected to the *holder rights* value through *linking rights*. Should use the title of the object or creative entity.

**Non-repeatable**

**Required**

1. Pierfrancesco Bellini and Paolo Nesi,“Modeling performing arts metadata and relationships in content service for institutions,” *Multimedia Systems* 21, no. 5 (2015): 427-49. [↑](#footnote-ref-1)
2. “PBCore and Dance Heritage Coalition’s ‘Media Network,’” <http://pbcore.org/pbcore-and-dance-heritage-coalitions-media-network/>. [↑](#footnote-ref-2)