## LIDO profile DRAFT version 0.05

## CIDOC Documentation Standards Working Group

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## Background

EODEM stands for Exhibition Object Data Exchange Model. The standard has been created to facilitate the export of data from the museum Collection Management System (CMS) of an institution lending an item to the CMS of the institution borrowing it. The standard recognises the variety of data appropriate to different items lent, the variety of data structures in CMSs, and the variety of quality of data recorded in CMSs in every sense.

The desirability and feasibility of the standard were discussed at a round table discussion between documentalists from the CIDOC Documentation Standards Working Group (DSWG) and system suppliers, held on 30 September 2018 at the CIDOC Annual Conference in Heraklion, where it was agreed that such a standard, if tightly circumscribed, could be feasible. The DSWG were asked to draft a data standard for review and discussion by the vendors.

Several outstanding questions were discussed and resolved at an online meeting on 27 February 2020, attended by:

- Maija Ekosaari (CIDOC DSWG)
- Norbert Kanter (Zetcom)
- Richard Light (Modes User Group)
- Rob Tice (Knowledge Integration)
- Rupert Shepherd (CIDOC DSWG)
- Sascha Curzon (Gallery Systems)

The draft EODEM data description was subsequently mapped to LIDO version 1.1 at a series of meetings between 29 April and 23 October 2020, attended variously by:

- Jette Klein-Berning (Zetcom)
- Maija Ekosaari (CIDOC DSWG)
- Mike Jones
- Mikko Sola (Userix Oy)
- Norbert Kanter (Zetcom)
- Regine Stein (CIDOC LIDO Working Group)
- Richard Light (Modes User Group)
- Rob Tice (Knowledge Integration)
- Rupert Shepherd (CIDOC DSWG)
- Sascha Curzon (Gallery Systems)


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- Norbert Kanter for the initial idea and subsequent logo designs, Jonathan Whitson Cloud for the initial impetus
- The LIDO Working Group, particularly Regine Stein
- Lynne Harrison, Simon Lambert, Eric Hagan, Jonathan Ward and Antonio Beecroft for assistance with vocabularies


## General principles

1. The standard is intended to facilitate the exchange of what is in CMSs rather than what perhaps should be in CMSs. The highest data standard has therefore been set that is not likely to be a barrier to export or import the required information. In many cases the exporting CMS will have higher data standards than the EODEM. Our aim has therefore been to strike a balance between ease of implementation, and being so unprescriptive as to make the exchanged data worthless for all practical purposes.
2. This document should be read in conjunction with the latest version of the EODEM notional workflow document.
3. The likelihood of information about the same object being imported multiple times has a significant impact on how the receiving system should handle imports. It is likely that users will want the option to:
a. Overwrite existing data
b. Append to existing data
c. Import as an entirely new record
4. Different systems store different data in different ways, and to different levels of granularity. This draft data structure includes some areas where the structure is very granular, and we acknowledge that not all vendors will be able to meet this level of granularity. This might be addressed by vendors adopting (and declaring in their EODEM data) a particular level of compliance, for example:
a. Level 1: data as text only
b. Level 2: granular / structured data
c. Level 3: granular / structured data with all entities identified by resolvable Linked Data URIs
5. If data provided in EODEM cannot be accommodated in the receiving CMS, vendors should consider ways in which it can be dumped in a holding area (probably a free-text field). (They might also wish to consider adding the relevant units of information to their product in the next round of enhancements.)
6. No field shall be re-purposed or re-labelled. The principle of mapping shall be if the exporting CMS holds data that matches that field, then it will be exported, if it hasn't, it won't and it won't squeeze it in somewhere else either.
7. The units of information below the lido top-level element are to be attributed as to a single record representing a single object and will be exported as a single packet in
the export file. No partitioning, grouping or membership is facilitated, and therefore no inheritance is permitted or required.
8. The only mandatory fields to be filled from CMS data are Object Identifier, Object Type, Title/Name and LIDO Record Type. The LIDO Record ID, LIDO Application Profile, Lender Name, Local Record ID and Date/Timestamp are also mandatory but will be filled in automatically at the point of export.
9. Where multiple instances exist in an exporting CMS of a unit of information for which the standard describes a single instance, then only the first or, where possible, the most appropriate entry shall be used. Concatenations of multiple terms are not acceptable.
10. The exchange Model does not envisage that data will be filtered or arranged prior to exchange. The scope notes are written such as to not make demands on the exported data that would require this (see note 1). Examples given are in some cases intended to indicate how poor (in data standard terms) the acceptable data to be exchanged can usefully be.
11. The standard makes no explicit provision for exporting references to controlled terminologies of any kind. However, the adoption of LIDO as our data exchange format enables us, through the LIDO model of value / identifier pairs, to refer to controlled vocabularies, if the relevant identifiers exist in data - with all the potential advantages that that might bring.
12. Data types of individual units of information will vary from system to system, so the data types proposed below are purely indicative: they describe what we expect the data to look like. We envisage a transport mechanism that encodes all data as (Unicode) text, and so individual system developers would handle data type conversions on export and ingest to match their individual systems' requirements.
13. Likewise, where a standard vocabulary is proposed (e.g. to describe a language), we expect that vendors will, wherever possible, convert local values to the standard upon export, and - if necessary - convert them back to their system's local values upon ingest.
14. And the same applies to types, for example Title Type: individual vendors may feel that their clients would rather any supplied type was overwritten by a generic term reflecting the information's origin (e.g. "lender's title"), and this is permissible - but should, of course, be documented.
15. There are likely to be values which are not held explicitly in some CMSs, but which could be assumed for all objects or for definable groups of objects. Our expectation is that developers may be able to insert these directly into the data package upon export, rather than require the creation of new fields in their systems or ask clients to insert values into the package by hand. Equally, vendors may wish to make the allocation of some of these values definable by clients via their system's configuration settings.
16. If an image is not represented by a URI, it is assumed that the image files will be provided in a zipped folder whose name is defined in the Image field.
17. It would seem sensible to develop a standard for EODEM which is based upon existing standards which have already been incorporated into at least some CMSs. The obvious candidates were LIDO (the basis of the Europeana Inside mechanism added recently to several CMSs) and Spectrum (with which several CMSs are
compliant). However, neither standard contained all the units of information we have identified as requirements for EODEM. It was agreed on 27 February to liaise with the CIDOC LIDO Working Group to align all EODEM units of information to LIDO, incorporating any new fields required into LIDO 1.1 as it is developed.
18. An EODEM record should use any controlled vocabularies identified for use in LIDO, i.e. they should use LIDO Terminology wherever applicable.
19. At the meeting of 27 February 2020 it was agreed that, as we wished to adopt LIDO as our data exchange format, we should use its established serialisation as XML in which to transport data.
20. In the LIDO paths, the 'LIDO' namespace is understood for all elements and attributes; any other namespaces required will be cited explicitly.
21. Cardinality is inherited. In other words: if a descendant element is marked as mandatory, it must be included only if all its ancestors are mandatory, too; if its ancestors are not mandatory, it must be included only if its parent element is included.

## Transfer of files

EODEM data for transfer will comprise:
$1 \times$ XML file, meeting the standard for the EODEM profile of LIDO 1.1
$0-\mathrm{n} \times$ image files

EODEM importers will therefore expect to find a folder containing the files listed above nothing else.

The EODEM standard does not mandate particular methods of transport (FTP, email, DropBox, etc.) Neither does it restrict the additional processing of files either before or after transfer - e.g. assembling XML and image files into a single ZIP archive prior to transfer. However, EODEM importers must be presented with a single folder containing the files listed above.

## A note about security

An EODEM file may contain sensitive information about one or more museum objects: valuations, security requirements, installation methods, etc. However, at the time of writing, this information is routinely transferred between borrowers and lenders in relatively insecure formats, i.e. as unencrypted email messages or in unencrypted files attached to email messages. Therefore, emailing EODEM data is no more or less secure than current common practice.

If lenders are concerned about the security of their data, we suggest that they wrap the EODEM files in a password-protected ZIP archive before transfer, and send the password to the borrower using a different channel from the one used to send the data. However, users should note that EODEM importers will not expect to deal with a ZIP archive - the files must be unpacked before running the importer (as per 'Transfer of files’ above).

## Units of information

## Root path

All units of information are descendants of lidoWrap > lido

Count: • lidoWrap: 1

- lido: 1-n (only 1 per object)


## LIDO Record ID

Count: 1
Content: character data: string
Scope: A unique identification of the LIDO record preferably composed of an identifier for the contributor and a record identification in the contributor's (local) system..
LIDO path : lidoRecID [element content: character data] @type [attribute content: LIDO Terminology URL]
Controlled - For lidoRecID @type, any numeric URI from LIDO Terminology:
terminology: identifier@type

- Otherwise, none

Examples LDRHM:object-12345
(element):
Examples http://terminology.lido-schema.org/lido00100
(attribute):
Divergence Count (LIDO: 1-n); controlled terminology in lidoRecID @type (LIDO: various from LIDO: values allowed)

## URI

Count: 0-1
Content: character data: string
Scope: Any 'cool' (persistent and dereferenceable) URI assigned to the item.
LIDO path: objectPublishedID with @type="http://terminology.lido-schema.org/lido00099"1 [element content: URL]
Controlled - For objectPublishedID @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00099

- Otherwise, none

Examples https://egmuseum.org/object/1234
(element):
Divergence Count (LIDO: 0-n); controlled terminology in objectPublishedID @type (LIDO: from LIDO: various values allowed)

[^0]
## LIDO Application Profile

Count: 1
Content: character data: string
Scope: The LIDO profile to which this record adheres; by definition, this must be a version of the EODEM profile.
LIDO path: applicationProfile [element content: "EODEM version 1"]
Controlled Only one value is permitted: EODEM version $1^{2}$
terminology:
Examples EODEM version 1
(element):
Divergence Count (LIDO: 0-1); controlled terminology (LIDO: various values allowed) from LIDO:

## Object Type Group

```
Count: • descriptiveMetadata: 1
    - objectClassificationWrap: }
    - objectWorkTypeWrap: }
    - objectWorkType: 1-n
LIDO path: descriptiveMetadata > objectClassificationWrap > objectWorkTypeWrap >
    objectWorkType
Divergence none
from LIDO:
```

Object Type Identifier
Count: 0-n
Content: character data: string
Scope: An identifier in a controlled terminology for the narrowest meaningful attribution of type that can be appropriately applied to the whole of the item.
LIDO path: Path as under Object Type Group > conceptID [element content: character data] @type [attribute content: LIDO Terminology URL] optional:@pref [attribute content: LIDO terminology URL] ${ }^{3}$
Controlled • For conceptID @type, any numeric URI from LIDO Terminology: terminology: identifier@type

- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- Otherwise, none

Examples http://vocab.getty.edu/aat/300033618
(element):
Examples http://terminology.lido-schema.org/lido00099
(attribute):

[^1]Divergence Controlled terminology in conceptID @type and @pref (LIDO: various from LIDO: values allowed)

Object Type Keyword
Count: 1-n
Content: character data: string
Scope: The narrowest meaningful attribution of type that can be appropriately applied to the whole of the item.
LIDO path: Path as under Object Type Group > term [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled • For term @pref, any numeric URI from LIDO Terminology: pref terminology: - Otherwise, none
Examples chair
(element): painting
model
specimen
sample
suit of armour
Divergence Count (LIDO: 0-n)
from LIDO:

## Title/Name Group

Count: - descriptiveMetadata: 1

- objectldentificationWrap: 1
- titleWrap: 1

LIDO path: descriptiveMetadata > objectldentificationWrap > titleWrap
Divergence none from LIDO:

Title Type
Count: 1-n
Content: character data: string
Scope: The type of name or title being recorded.
LIDO path: Path as under Title/Name Group > titleSet @type [attribute content:
character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled • For titleSet @pref, any numeric URI from LIDO Terminology: pref
terminology: - Otherwise, none
Examples scientific name
(attribute): supplied title
lender's title
former title
Divergence none
from LIDO:

## Title/Name

Count: 1-n
Content: character data: string
Scope: The name by which the item is widely known. For works of artistic creation this may be ascribed by the creator. For natural history specimens, this is likely to be the scientific names of a genus or species name. More than one instance may be recorded where the item is widely known by multiple title/names or where the title name has been recorded in multiple languages.
LIDO path: Path as under Title/Name Group > titleSet > appellationValue [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled - For appellationValue @pref, any numeric URI from LIDO
terminology: Terminology: pref

- Otherwise, none

Examples Washington Crossing the Delaware
(element): Untitled
The Rosetta Stone
Odobenus rosmarus
Napoleon's hat
Divergence none
from LIDO:
Title Language
Count: 0-n
Content: character data: string
Scope: The IETF language code for the language in which the Title/name is expressed.
LIDO path: Path as under Title/Name Group > titleSet > appellationValue @xml:lang [attribute content: character data]
Controlled IETF language code list ${ }^{4}$
terminology:
Examples fr
(attribute): sa
en-GB
tlh
und
Divergence none from LIDO:

## Lender Group [1: repository]

Count: 1-n

[^2]```
Content: character data: string
Scope: The identifier, according to some established and published scheme, of the
    institution lending the item and exporting the data.
LIDO path: descriptiveMetadata > objectldentificationWrap > repositoryWrap >
    repositorySet @type="http://terminology.lido-schema.org/lido00475"5>
    repositoryName
Controlled - For repositorySet @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00475
    - Otherwise, none
Examples • http://terminology.lido-schema.org/lido00475
(attribute):
Divergence Controlled vocabulary in repositorySet @type (LIDO: various values allowed)
from LIDO: Count (LIDO: 0-n)
Lender Identifier [1: repository]
Count: 0-n
Content: character data: string
Scope: The identifier, according to some established and published scheme, of
    the institution lending the item and exporting the data.
LIDO path: Path as under Lender Group [1: repository] > legalBodyID [element content: character data] @type [attribute content: LIDO Terminology URL]
Controlled - For legalBodyID @type, any numeric URI from LIDO Terminology:
terminology: identifier@type
    - Otherwise, none
Examples VAM
(element): LDHRN
    GB-UkOxU
    http://vocab.getty.edu/ulan/500125190
Divergence Controlled vocabulary in legalBodyID @type (LIDO: various values
from LIDO: allowed)
Lender Name [1: repository]
Count: 1
Content: character data: string
Scope: The name or identifier of the institution lending the item and exporting the data.
LIDO path: Path as under Lender Group [1: repository] > legalBodyName > appellationValue [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled • For @pref, any numeric URI from LIDO Terminology: pref
terminology: - Otherwise, none
Examples: Victoria and Albert Museum
Госуда́рственный Эрмита́ж (State Hermitage Museum)
```

[^3]from LIDO:

## Object Identifier

Count: 1
Content: character data: string
Scope: The number used by the data holder to manage the item. This will be an accession number or another primary id number.
LIDO path: descriptiveMetadata > objectldentificationWrap > repositoryWrap > repositorySet > workID [element content: character data] @type [attribute content: LIDO Terminology URL]
Controlled - For identifier @type, any numeric URI from LIDO Terminology
terminology: identifier@type

- Otherwise, none

Examples 2018.123
(element): ABC99-123
P123
[and many other formats]
Examples http://terminology.lido-schema.org/lido00100
(attribute):
Divergence Count (LIDO: 0-n); controlled terminology in workID @ type (LIDO: various from LIDO: values allowed)

## Brief Description

Count: - descriptiveMetadata: 1

- objectldentificationWrap: 1
- objectDescriptionWrap: 0-1
- objectDescriptionSet: 0-1
- descriptiveNoteValue: 0-1

Content: character data: string
Scope: A block of text that identifies the item and ideally distinguishes it from other similar examples. Content will however vary considerably. The field is not intended as a dumping ground for favoured fields not included elsewhere in the standard, but it may be used in that way.
LIDO path: descriptiveMetadata > objectldentificationWrap > objectDescriptionWrap > objectDescriptionSet > descriptiveNoteValue with @label="brief description" [element content: character data]
Controlled - For descriptiveNoteValue @label, only one value is permitted: brief terminology: description

- Otherwise, none

Examples Painting of a man in the prow of a crowded boat, looking back and pointing
(element): forwards.
A blue spoon with a long handle
25 Athenian Owls
An overstuffed taxidermy walrus.

Divergence Count objectDescriptionSet, descriptiveNoteValue (LIDO: 0-n); value of from LIDO: descriptiveNoteValue @label (LIDO: various values allowed)

## Measurement Group

```
Count: • descriptiveMetadata: }
    - objectldentificationWrap: }
    - objectMeasurementsWrap: 0-1
    - objectMeasurementsSet: 0-n
LIDO path: descriptiveMetadata > objectldentificationWrap > objectMeasurementsWrap >
        objectMeasurementsSet
Divergence none
from LIDO:
```


## Measurement Text

Count: $\quad 0-n$; but if a measurement is given, then either Measurement Text or Dimension Aspect Group or both must be included
Content: character data: string
Scope: The object's dimensions, expressed as an undifferentiated string. Ideally, more structured data will be supplied in Measurement Group; this field allows for unstructured data, which will not be parsed by consuming systems.
LIDO path: Path as under Measurement Group > displayObjectMeasurements [element content: character data]

Controlled none
terminology:
Examples $12.3 \times 17.0 \times 28.7 \mathrm{~cm}$
(element):
Divergence Count (LIDO: 0-n)
from LIDO:

## Dimension Aspect Group

Count: $\quad 0-1$; but if a measurement is given, then either Measurement Text or Dimension Aspect Group or both must be included
Scope: The object's dimensions, expressed as a series of structured fields, which can be parsed by consuming systems.
LIDO path: Path as under Measurement Group > objectMeasurements
Divergence none
from LIDO:
Dimension Group
Count: 1-n
Scope: One dimension, expressed as a type ('height', etc.), unit, and value. The measurements of a particular aspect of the object are recorded within an Aspect Group; each Aspect Group will
include multiple Dimension Groups (e.g. one each for height, width and depth).
LIDO path: Path as under Dimension Aspect Group > measurementsSet Divergence
none

## Dimension

Count: 1
Content: character data: string
Scope: The dimension measured for which the measurement applies. This should not include the part/s measured. Dimension is a highly subjective attribute, and without some indication of the orientation of the item when measured, often useless, but is a commonplace in item measurements and has just about sufficient utility to warrant inclusion.
LIDO path: Path as under Dimension Group > measurementType [element content: character data]
Controlled none
terminology:
Examples height
(element): depth
diameter
duration
Divergence Count (LIDO: 1-n); note deprecation warning
from LIDO:
Unit
Count: 1
Content: character data: string
Scope: The unit the measurement is counted in.
LIDO path: Path as under Dimension Group > measurementUnit [element content: character data]
Controlled Wherever possible, use the accepted SI abbreviation terminology:
Examples cm
(element): inches
in
"
S
items
Divergence Count (LIDO: 1-n); note deprecation warning from LIDO:

Measurement
Count: 1
Content: character data: floating point

Scope: The extent of the dimension.
LIDO path: Path as under Dimension Group > measurementValue [element content: character data]
Controlled none
terminology:
Examples 5
(element): 1000
9.95

Divergence none
from LIDO:
Dimension Aspect
Count: 0-n
Content: character data: string
Scope: The aspect of the object being measured.
LIDO path: Path as under Dimension Aspect Group > extentMeasurements [element content: character data]
Controlled none
terminology:
Examples overall
(element): handle frame sight size sleeve count
Divergence None; but note deprecation warning from LIDO:

Dimension Qualifier
Count: 0-n
Content: character data: string
Scope: Text qualifying the dimension aspect group, e.g. accuracy, description of part measured etc.
LIDO path: Path as under Dimension Aspect Group > qualifierMeasurements [element content: character data]
Controlled none
terminology:
Examples accurate to nearest cm
(element): $\pm 2 \mathrm{~cm}$
with handle extended
Divergence None; but note deprecation warning from LIDO:

## Material Group

Count: - descriptiveMetadata: 1

```
    - objectldentificationWrap: }
    - objectMaterialsTechWrap: 0-1
    - objectMaterialsTechSet: 0-n
LIDO path: descriptiveMetadata > objectldentificationWrap > objectMaterialsTechWrap >
    objectMaterialsTechSet
Divergence none
from LIDO:
```


## Material Description

Count: $\quad 0-\mathrm{n}$; but if a material is given, then either Material Description or Material Keyword or both must be included
Content: character data: string
Scope: A description of the different materials that the object is made of. A simple list of individual materials or phrases should be entered in multiple occurrences of the Material Description field. No effort need be made to describe the extent of the material in the item.
LIDO path: Path as under Material Group > displayMaterialsTech
Controlled none
terminology:
Examples: oil on canvas
etching and aquatint
cast bronze
salt glaze on an earthenware body
Divergence Count (LIDO: 0-n)
from LIDO:
Material Identifier
Count: - materialsTech: 0-n

- termMaterialsTech: 0-n
- conceptID: 0-n

Content: character data: string
Scope: An identifier in a controlled vocabulary for an individual term describing a material the object is made of.
LIDO path: Path as under Material Group > materialsTech > termMaterialsTech > conceptID [element content: character data] @type [attribute content: LIDO Terminology URL] optional:@pref [attribute content: LIDO terminology URL] ${ }^{6}$
Controlled • For conceptID @type, any numeric URI from LIDO Terminology: terminology: identifier@type

- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- Otherwise, none

[^4]```
Examples http://vocab.getty.edu/aat/300140803
(element):
Examples http://terminology.lido-schema.org/lido00099
(attribute):
Divergence Controlled terminology in conceptID @type and @pref (LIDO: various
from LIDO: values allowed)
```


## Material Keyword

```
Count: - materialsTech: 0-n
- termMaterialsTech: 0-n
- term: 0-n; but if a material is given, then either Material Description or Material Keyword or both must be included
Content: character data: string
Scope: Individual terms describing the materials the object is made of. A more narrative description combining multiple terms should be placed in Material Description.
LIDO path: Path as under Material Group > materialsTech > termMaterialsTech > term [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled - For term @pref, any numeric URI from LIDO Terminology: pref terminology: • Otherwise, none
Examples jade
(element): cotton canvas
paint animal remains
Divergence Count (LIDO: 0-n) from LIDO:
```


## Maker Group

```
Count: - descriptiveMetadata: 1
- eventWrap: 0:1
- eventSet: 0:n
- event: 0:1
- eventActor: 0:n
- eventType: 1
- conceptID: 1
- term: 1
- actorInRole: 0-1
Content: character data: string
Scope: The agent/s responsible for the creation of the item. May be individuals, institutions or organisations including cultures. May not include machines, processes or events.
LIDO path: 1. descriptiveMetadata > eventWrap > eventSet > event > eventActor > actorInRole
```

2. Child of eventType sibling to eventActor: descriptiveMetadata > eventWrap > eventSet > event > eventType > conceptID = "http://terminology.lido-schema.org/lido00028"7 @type="http://terminology.lido-schema.org/lido00099"8 optional:@pref [attribute content: LIDO terminology URL] ${ }^{9}$
3. Child of eventType sibling to eventActor: descriptiveMetadata > eventWrap > eventSet > event > eventType > term = "Beginning of existence" ${ }^{10}$ optional:@pref [attribute content: LIDO terminology URL] ${ }^{11}$
Controlled - For conceptID, http://terminology.lido-schema.org/lido00028 (or some terminology: narrower numeric URI drawn from below 'Beginning of existence' in LIDO Terminology: eventType)

- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, Beginning of existence (or some narrower term drawn from below 'Beginning of existence' in LIDO Terminology: eventType
- For term @pref, any numeric URI from LIDO Terminology: pref

Divergence Count conceptID, term (LIDO: 0-n); controlled terminology in eventType > from LIDO: conceptID (including @type and @pref) and eventType > term (LIDO: various values allowed)

## Maker Type

Count: 0-1
Content: character data: string
Scope: The type of maker being described: person, organisation, etc. For a culture or a state, use the value for 'group of persons'
LIDO path: Path as under Maker Group (1) > actor @type [attribute content: LIDO Terminology URL]
Controlled For actor @type, any numeric URI from LIDO Terminology: actor@type terminology:
Examples http://terminology.lido-schema.org/lido00413 (attribute):
Divergence Controlled terminology in actor @type (LIDO: various values allowed) from LIDO:

## Maker Identification Group

Count: 1
Scope: Information to help identify the actor in question.
LIDO path: Path as under Maker Group (1) > actor
Divergence none
from LIDO:

[^5]
## Maker Identifier

```
Count: 0-n
Content: character data: string
Scope: An identifier in a controlled terminology for the maker being
    described.
LIDO path: Path as under Maker Identification Group > actorID [element
    content: character data] @type [attribute content: LIDO
    Terminology URL optional:@pref [attribute content: LIDO
    terminology URL]}\mp@subsup{}{}{12
Controlled - For actorID @type, any numeric URI from LIDO
terminology: Terminology: identifier@type
    - For actorID @pref, any numeric URI from LIDO
        Terminology: pref
    - Otherwise, none
Examples http://vocab.getty.edu/ulan/500031075
(element):
Examples http://terminology.lido-schema.org/lido00099
(attribute):
Divergence Controlled terminology in actorID @type (LIDO: various values
from LIDO: allowed)
Maker Display Name
Count: - nameActorSet:1-n
- appellationValue: 1-n; if a Maker Identification Group is
        given, then either Maker Display Name or Maker Sort Name
        or both must be included
Content: character data: string
Scope: The name of the maker being described, in a form suitable for
    display (i.e. in normal order).
LIDO path: Path as under Maker Identification Group > nameActorSet >
appellationValue with @label="display name" [element content:
character data] optional:@pref [attribute content: LIDO
terminology URL]
Controlled - For appellationValue @label, only one value is permitted:
terminology: "display name"
    - For appellationValue @pref, any numeric URI from LIDO
        Terminology: pref
    - Otherwise, none
Examples Eugène Delacroix
(element): John Smith
    BBC
    Inuit
```

[^6]Divergence Count appellationValue (LIDO: 1-n); controlled terminology in from LIDO: appellationValue @label (LIDO: various values allowed)

## Maker Sort Name

```
Count: - nameActorSet: 1-n
    - appellationValue: 1-n; if a Maker Identification Group is
        given, then either Maker Display Name or Maker Sort Name
        or both must be included
Content: character data: string
Scope: The name of the maker being described, in a form suitable for
        sorting (i.e. with family name first, and so (often) in transposed
        order).
LIDO path: Path as under Maker Identification Group > nameActorSet >
    appellationValue with @label="sort name" [element content:
    character data] optional:@pref [attribute content: LIDO
    terminology URL]
Controlled - For appellationValue @label, only one value is permitted:
terminology: sort name
    - For appellationValue @pref, any numeric URI from LIDO
        Terminology: pref
    - Otherwise, none
Examples Delacroix, Eugène
(element): Smith, John
    BBC
    Inuit
Divergence Count appellationValue (LIDO: 1-n); controlled terminology in
from LIDO: appellationValue @label (LIDO: various values allowed)
Maker Earliest Date
Count: - vitalDatesActor: 0-1
    - earliestDate: 0-1
Content: character data: string
Scope: The earliest recorded date for the maker being described, often
    their date of birth.
LIDO path: Path as under Maker Identification Group > vitaIDatesActor >
        earliestDate [element content: character data]
Controlled It is recommended that dates be formatted according to ISO
terminology: 8601'13
Examples }144
(element):
Divergence none
from LIDO:
Maker Latest Date
Count: - vitalDatesActor: 0-1
```

[^7]- latestDate: 0-1

Content: character data: string
Scope: The latest recorded date for the maker being described, often their date of death.
LIDO path: Path as under Maker Identification Group > vitalDatesActor > latestDate [element content: character data]
Controlled It is recommended that dates be formatted according to ISO terminology: $8601^{14}$
Examples 1510
(element):
Divergence none
from LIDO:

## Maker Role Identifier

Count: - roleActor: 0-n

- conceptID: 0-n

Content: character data: string
Scope: An identifier in a controlled terminology for the role taken by the maker being described, with regard to the object in question.
LIDO path: Path as under Maker Group (1) > roleActor > conceptID [element content: character data] @type [attribute content: LIDO Terminology URL] optional:@pref [attribute content: LIDO terminology URL] ${ }^{15}$
Controlled • For conceptID @type, any numeric URI from LIDO Terminology: terminology: identifier@type

- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- Otherwise, use of a controlled vocabulary is recommended but not mandated
Examples http://vocab.getty.edu/aat/300025103
(element): http://vocab.getty.edu/aat/300025643
Examples http://terminology.lido-schema.org/lido00099
(attribute):
Divergence Controlled terminology in roleActor > conceptID @type
from LIDO:


## Maker Role Keyword

Count: roleActor: 0-n
term: 1-n
Content: character data: string
Scope: $\quad$ The role taken by the maker being described, with regard to the object in question. Note that this will depend upon the kind of event specified in event @ type; the term will be as delivered by the source system, but restricted to maker-type roles only.

[^8]LIDO path: Path as under Maker Group (1) > roleActor > term [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled • For term @pref, any numeric URI from LIDO Terminology: pref terminology: • Otherwise, use of a controlled vocabulary is recommended but not mandated
Examples artist
(element): engraver preparator
Divergence Count term (LIDO: 0-n) from LIDO:

Attribution Qualifier
Count: $0-\mathrm{n}$
Content: character data: string
Scope: Any text which qualifies the named maker's degree of involvement with the creation of the object in question. (This information is often considered crucial for describing fine art objects.)
LIDO path: Path as under Maker Group (1) > attributionQualifierActor [element content: character data]
Controlled None
terminology:
Examples possibly by
(element): attributed to and workshop
Divergence Note controlled terminology deprecation warning from LIDO:

## Date Group

Count: $0-n$
LIDO path: descriptiveMetadata > eventWrap > eventSet > event
Controlled none
terminology:
Divergence None
from LIDO:

## Date Type Identifier

Count:

```
- eventType: }
- conceptID: 0-n
```

Content: character data: string
Scope: An identifier in a controlled terminology for the type of event associated with the Date. Often this will be the creation event for the item but may be almost anything else.

LIDO path: Path as under Date Group > eventType > conceptID [element content: character data] @type [attribute content: LIDO Terminology URL] optional:@pref [attribute content: LIDO terminology URL] ${ }^{16}$
Controlled - For conceptID, any numeric URI from LIDO Terminology: terminology: eventType where possible (terminology still under development)

- For @type, any numeric URI from LIDO Terminology identifier@type
- For @pref, any numeric URI from LIDO Terminology: pref
- Otherwise, none

Examples http://terminology.lido-schema.org/lido00012
(element):
Divergence Controlled terminology in conceptID @term (LIDO: various values from LIDO: allowed)

## Date Type Keyword

Count: • eventType: 1

- term: 1-n

Content: character data: string
Scope: The type of event associated with the Date. Often this will be the creation event for the item but may be almost anything else.
LIDO path: Path as under Date Group > eventType > term [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled - For term, any term from LIDO Terminology: eventType where terminology: possible (terminology still under development)

- For term @pref, any numeric URI from LIDO Terminology: pref
- Otherwise, none

Examples made
(element): collected
formed
used
stuffed
Divergence Count term (LIDO: 0-n)
from LIDO:
Display Date
Count: - eventDate: 0-1

- displayDate: 0-n; but if a date is given, then either Display Date or Date or both must be included
Content: character data: string
Scope: A date expressed in words or numbers (but not including periods, for which see below).

[^9]LIDO path: Path as under Date Group > eventDate > displayDate [element content: character data]
Controlled none
terminology:
Examples 3rd October 2018
(element): 1965
1950
18thC
before 1758
580BCE
circa mid 6th to early 7th century
Divergence Count displayDate (LIDO: 0-n)
from LIDO:
Date
Count: • eventDate: 0-1

- date: $0-1$; but if a date is given, then either Display Date or Date or both must be included
- earliestDate: 0-1
- latestDate: 0-1

Content: character data: string
Scope: A date expressed in numbers only, as a combination of an earliest possible and latest possible date.
LIDO path: - Path as under Date Group > eventDate > date > earliestDate [element content: character data]

- Path as under Date Group > eventDate > date > latestDate [element content: character data]
Controlled Use the proleptic Gregorian calendar; dates must be formatted in terminology: accordance with ISO $8601^{17}$
Examples 2018-10-03
(element): 1965
-579
Divergence Count date (LIDO: 0-n); restricted format in earliestDate and latestDate from LIDO: (LIDO: various formats allowed)


## Period Identifier

Count: • periodName: 0-n

- conceptID: 0-n

Content: character data: string
Scope: An identifier in a controlled terminology for the date expressed using the name of a period.

[^10]LIDO path: Path as under Date Group > periodName > conceptID [element content: character data] @type [attribute content: LIDO Terminology URL] optional:@pref [attribute content: LIDO terminology URL] ${ }^{18}$
Controlled - For conceptID @type, any numeric URI from LIDO Terminology: terminology: identifier@type

- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- Otherwise, none

Examples
http://vocab.getty.edu/aat/300021036
(element):
Examples
http://terminology.lido-schema.org/lido00099
(attribute):
Divergence Controlled terminology in conceptID @type and @pref (LIDO: various from LIDO: values allowed)

Period Keyword
Count: - periodName: 0-n

- term: 1-n

Content: character data: string
Scope: A date expressed using the name of a period.
LIDO path: Path as under Date Group > periodName > term [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled - For term @pref, any numeric URI from LIDO Terminology: pref terminology: - Otherwise, none
Examples Elizabethan
(element): Protozoan
Divergence Count term (LIDO: 0-n)
from LIDO:

## Requirements Path Summary 1

Note that all units of information from Insurance/Indemnity to Condition Of Object are descendants of a single LIDO path: descriptiveMetadata > eventWrap > eventSet > event (note that they require a different event element from Requirements Path Summary 2 and Requirements Path Summary 3).

The relevant event element must also contain the following two sets of descendants:

- Child of eventType sibling to eventDescriptionSet: descriptiveMetadata > eventWrap > eventSet > event > eventType > conceptID = "http://terminology.lido-schema.org/lido00795"19 @type=

[^11]http://terminology.lido-schema.org/lido00099"20 optional:@pref [attribute content: LIDO terminology URL] ${ }^{21}$

- Child of eventType sibling to eventDescriptionSet: descriptiveMetadata > eventWrap > eventSet > event > eventType > term = "loan assessment" optional:@pref [attribute content: LIDO terminology URL] ${ }^{22}$

Count: - descriptiveMetadata: 1

- eventWrap: 0-1
- eventSet: 0-n
- event: 0-1
- eventType: 1
- conceptID: 1
- term: 1

Controlled - For conceptID, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00795

- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO terminology: pref
- For term, only one value is permitted: loan assessment
- For term @pref, any numeric URI from LIDO terminology: pref

Divergence Count conceptID, term (LIDO: 0-n); controlled vocabulary (LIDO: various values from LIDO: allowed)

## Value Group

Count: $0-n$
LIDO path: Path as under Requirements Path Summary $1>$ eventObjectMeasurements @type="http://terminology.lido-schema.org/lido00927"23
@measurementsGroup="http://vocab.getty.edu/aat/300435426"24 > objectMeasurements > measurementsSet
Controlled - For eventObjectMeasurements @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00927

- For eventObjectMeasurements @meausrementsGroup, only one value is permitted: http://vocab.getty.edu/aat/300435426
Divergence Controlled terminology in eventObjectMeasurements @type,
from LIDO: @measurementsSet (LIDO: various values allowed)
Value Currency
Count: 0-n; but for each Value, there must be a corresponding Value Currency Content: character data: string

[^12]Scope: The ISO 4217 alphabetic code for the currency in which the valuation was made.
LIDO path: - Path as under Value Group > measurementUnit [element content: character data]

- sibling to measurementUnit: measurementType > conceptID = "http://vocab.getty.edu/aat/300412096"25 @type= "http://terminology.lido-schema.org/lido00099"26 optional:@pref [attribute content: LIDO terminology URL] ${ }^{27}$
- sibling to measurementUnit: measurementType $>$ term $=$ "valuation"
Controlled
- For measurementUnit, only alphabetic codes from ISO $4217^{28}$ are terminology: permitted
- For conceptID, only one value is permitted: http://vocab.getty.edu/aat/300412096
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO terminology: pref
- For term, only one value is permitted: valuation

Examples GBP
(element): USD
EUR
Divergence Count (LIDO: 0-n); controlled terminology in measurementUnit, from LIDO: conceptID (including @type, @pref), term (LIDO: various values allowed)

Value
Count: $\quad 0-n$; but for each Value, there must be a corresponding Value Currency Content: character data: floating point
Scope: The value ascribed by the lending institution for the purpose of insurance or indemnity
LIDO path: - Path as under Value Group > measurementValue [element content: character data]

- sibling to measurementValue: measurementType > conceptID = "http://vocab.getty.edu/aat/300412096"29 @type=
"http://terminology.lido-schema.org/lido00099"30 optional:@pref [attribute content: LIDO terminology URL] ${ }^{31}$
- sibling to measurementValue: measurementType >term = "valuation"

[^13]```
Controlled - For conceptID, only one value is permitted:
terminology: http://vocab.getty.edu/aat/300412096
    - For conceptID @type, only one value is permitted:
        http://terminology.lido-schema.org/lido00099
    - For conceptID @pref, any numeric URI from LIDO terminology:
        pref
    - For term, only one value is permitted: valuation
Examples 100.00
(element): }1000
    2600000
Divergence Count (LIDO: 0-n); controlled terminology in conceptID (including
from LIDO: @type, @pref), term (LIDO: various values allowed)
```


## Insurance/Indemnity

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any insurance or indemnity required. Not any that is in place.
LIDO path: Path as under Requirements Path Summary 1 (1) > eventDescriptionSet @type="insurance/indemnity"32 $>$ descriptiveNoteValue [element content: character data]
Controlled - For eventDescriptionSet @type, only one value is permitted:
terminology: insurance/indemnity ${ }^{33}$

- Otherwise, none

Examples National agreement
(element): GIS
full cover required
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Condition Of Object

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: A basic condition assessment by the lending institution, not a condition report. Often this is recorded on a 1 to 4 scale or in words. If recorded on a scale, it would be a kindness to the borrower if the data included an explanation of what the number in question actually means.
LIDO path: Path as under Requirements Path Summary 1 (1) > eventDescriptionSet @type="condition"34 $>$ descriptiveNoteValue [element content: character data]

[^14]Controlled - For eventDescriptionSet @type, only one value is permitted: condition ${ }^{35}$
terminology: - Otherwise, none
Examples 2
(element): good
2: fair
ok to loan
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Requirements Path Summary 2

Note that all units of information from Handling to Hazards are descendants of a single LIDO path: descriptiveMetadata > eventWrap > eventSet > event (note that they require a different event element from Requirements Path Summary 1 and Requirements Path Summary 3).

The relevant event element must also contain the following two sets of descendants:

- Child of eventType sibling to eventDescriptionSet: descriptiveMetadata > eventWrap > eventSet > event > eventType > conceptID = "http://terminology.lido-schema.org/lido00793"36 @type= "http://terminology.lido-schema.org/lido00099"37 optional:@pref [attribute content: LIDO terminology URL] ${ }^{38}$
- Child of eventType sibling to eventDescriptionSet: descriptiveMetadata > eventWrap > eventSet > event > eventType > term = "move of object (object requirements assessment)" optional:@pref [attribute content: LIDO terminology URL] ${ }^{39}$

Count: - descriptiveMetadata: 1

- eventWrap: 0-1
- eventSet: 0-n
- event: 0-1
- eventType: 1
- conceptID: 1
- term: 1

Controlled - For conceptID, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00793

- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO terminology: pref
- For term, only one value is permitted: move of object (object requirements assessment)
- For term @pref, any numeric URI from LIDO terminology: pref

Divergence Count conceptID, term (LIDO: 0-n)
from LIDO:

[^15]
## Handling

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any instructions or requirements for the handling of the item.
LIDO path: Path as under Requirements Path Summary 2 (1) > eventDescriptionSet @type="handling"40 $>$ descriptiveNoteValue [element content: character data]
Controlled - For eventDescriptionSet @type, only one value is permitted: handling ${ }^{41}$
terminology: • Otherwise, none
Examples gloves
(element): no cotton gloves
heavy lifting equipment required
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Transport

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any instructions or requirements for the transportation of the item, including its security whilst in transit.
LIDO path: Path as under Requirements Path Summary 2 (1) > eventDescriptionSet @type="transport"42 $>$ descriptiveNoteValue [element content: character data]
Controlled - For eventDescriptionSet @type, only one value is permitted: transport ${ }^{43}$
terminology: - Otherwise, none
Examples use only crate supplied
(element): cushioned transport required must be accompanied at all times not to travel in aircraft hold air-ride van must be used
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Condition Checking

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any instructions or requirements for the condition-checking of the item.

[^16]LIDO path: Path as under Requirements Path Summary 2 (1) > eventDescriptionSet @type="condition checking"44 ${ }^{\prime}$ descriptiveNoteValue [element content: character data]
Controlled - For eventDescriptionSet @type, only one value is permitted: condition terminology: checking ${ }^{45}$

- Otherwise, none

Examples must be condition-checked by an accredited conservator upon unpacking and (element): re-packing
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Hazards

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any hazards posed by the item to persons. Not any hazard to the item. May also include mitigating actions. ${ }^{46}$
LIDO path: Path as under Requirements Path Summary 2 (1) > eventDescriptionSet @type="hazards"47 $>$ descriptiveNoteValue [element content: character data]
Controlled - For eventDescriptionSet @type, only one value is permitted: hazards ${ }^{48}$
terminology: • Otherwise, none
Examples poisonous
(element): radioactive
sharp edges - heavy gloves to be worn when handling
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Requirements Path Summary 3

Note that all units of information from Temperature Requirements Group to Photography And Filming are descendants of a single LIDO path: descriptiveMetadata > eventWrap > eventSet > event (note that they require a different event element from Requirements Path Summary 1 and Requirements Path Summary 2).

The relevant event element must also contain the following two sets of descendants:

- Child of eventType sibling to eventDescriptionSet: descriptiveMetadata > eventWrap > eventSet > event > eventType > conceptID = "http://terminology.lido-schema.org/lido00794"49

[^17]@type="http://terminology.lido-schema.org/lido00099"50 optional:@pref [attribute content: LIDO terminology URL] ${ }^{51}$

- Child of eventType sibling to eventDescriptionSet: descriptiveMetadata > eventWrap > eventSet > event > eventType > term = "display (object requirements assessment)" optional:@pref [attribute content: LIDO terminology URL] ${ }^{52}$

Count: - descriptiveMetadata: 1

- eventWrap: 0-1
- eventSet: 0-n
- event: 0-1
- eventType: 1
- conceptID: 1
- term: 1

Controlled - For conceptID, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00794

- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO terminology: pref
- For term, only one value is permitted: display (object requirements assessment)
- For term @pref, any numeric URI from LIDO terminology: pref

Divergence Count conceptID, term (LIDO: 0-n)
from LIDO:

## Temperature Requirements Group

## Count: 0-n

LIDO path: Path as under Requirements Path Summary 3 (1) > eventObjectMeasurements with @type="http://terminology.lido-schema.org/lido00923"53 and @measurementsGroup="http://vocab.getty.edu/aat/300056066"54
Controlled - For @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00923

- For @measurementsGroup, only one value is permitted: http://vocab.getty.edu/aat/300056066
Divergence Controlled terminology in eventObjectMeasurements @type and from LIDO: @measurementGroup


## Temperature Requirements Text

Count: $\quad 0-1$; but if temperature requirements are given, then either Temperature Requirements Text or Temperature Requirements Measurement Group or both must be included

[^18]Content: character data: string
Scope: The air temperature, usually a range, the item should be stored and displayed in. If two different variation values are required, for example, over 24 hours or over the period of the loan, then these should be included in two different objectMeasurementsSet blocks.
LIDO path: Path as under Temperature Requirements Group > displayObjectMeasurements [element content: character data]
Controlled none
terminology:
Examples $\quad 18^{\circ} \mathrm{C}-22^{\circ} \mathrm{C}$
(element):
Divergence Count (LIDO: 0-n)
from LIDO:
Temperature Requirements Measurements Group
Count: $\quad 0-1$; but if temperature requirements are given, then either Temperature Requirements Text or Temperature Requirements Measurement Group or both must be included
LIDO path: Path as under Temperature Requirements Group > objectMeasurements Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:

## Target Minimum Temperature Group

Count: $\quad 0-1$
Scope: $\quad$ The minimum target temperature (in ${ }^{\circ} \mathrm{C}$ ); if a single target rather than a range is required, enter the same value in the Minimum and Maximum groups.
LIDO path: Path as under Temperature Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Target Minimum Temperature Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: minimum target temperature (in ${ }^{\circ} \mathrm{C}$ )
LIDO path: - Path as under Target Minimum Temperature Group > measurementType > conceptID
@type=http://terminology.lido-schema.org/lido00099


[^19]```
    Examples 19
    (element):
    Divergence none
    from LIDO:
Target Maximum Temperature Group
Count: 0-1
Scope: The maximum target temperature (in }\mp@subsup{}{}{\circ}\textrm{C}\mathrm{ ); if a single target
                                    rather than a range is required, enter the same value in the
                                    Minimum and Maximum groups.
LIDO path: Path as under Temperature Requirements Measurements
        Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Target Maximum Temperature Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the maximum target temperature (in \({ }^{\circ} \mathrm{C}\) ).
LIDO path: - Path as under Target Maximum Temperature Group > measurementType > conceptID
@type="http://terminology.lido-schema.org/lido0009
9"59 optional:@pref [attribute content: LIDO terminology URL] \({ }^{60}\) [element content: "http://vocab.getty.edu/aat/300443983" \({ }^{11}\) ]
- Path as under Target Maximum Temperature Group > measurementType > term [element content:
"maximum"]
Controlled - For conceptID, only one value is permitted:
terminology: http://vocab.getty.edu/aat/300443983
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: maximum
Examples For conceptID: http://vocab.getty.edu/aat/300443983
(element): For term: maximum
Divergence Count (LIDO: 1-n); controlled terminology below
from LIDO: measurementType; note deprecation warning
```

[^20]Target Maximum Temperature Unit
Count: 1
Content: character data: string
Scope: The unit used for the maximum target temperature (always ${ }^{\circ} \mathrm{C}$ ).
LIDO path: Path as under Target Maximum Temperature Group > measurementUnit [element content: " ${ }^{\circ} \mathrm{C}$ "]
Controlled Only one value is permitted, ${ }^{\circ} \mathrm{C}$ terminology:
Examples ${ }^{\circ} \mathrm{C}$
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Target Maximum Temperature Value
Count: 1
Content: character data: floating point
Scope: $\quad$ The maximum target temperature (in ${ }^{\circ} \mathrm{C}$ ).
LIDO path: Path as under Target Maximum Temperature Group > measurementValue [element content: character data]
Controlled none
terminology:
Examples 21
(element):
Divergence none
from LIDO:

## Maximum Temperature Variation

Count: 0-1
Scope: $\quad$ The maximum permissible variation in temperature $\left( \pm{ }^{\circ} \mathrm{C}\right)$
LIDO path: Path as under Temperature Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Maximum Temperature Variation Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the maximum permissible variation in temperature $\left( \pm{ }^{\circ} \mathrm{C}\right)$
LIDO path: - Path as under Maximum Temperature Variation > measurementType > conceptID
@type="http://terminology.lido-schema.org/lido0009

|  | 9"62 optional:@pref [attribute content: LIDO terminology URL] ${ }^{63}$ [element content: "http://vocab.getty.edu/aat/300443559"64] <br> - Path as under Maximum Temperature Variation > measurementType > term [element content: "temperature fluctuation"] |
| :---: | :---: |
| Controlled terminology: | - For conceptID, only one value is permitted: http://vocab.getty.edu/aat/300443559 <br> - For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099 <br> - For conceptID @pref, any numeric URI from LIDO Terminology: pref <br> - For term, only one value is permitted: temperature fluctuation |
| Examples (element): Divergence from LIDO: | For conceptID: http://vocab.getty.edu/aat/300443559 For term: temperature fluctuation Count (LIDO: 1-n); controlled terminology in measurementType; note deprecation warning |
| Maximum Temperature Variation Unit |  |
| Count: <br> Content: | $1$ <br> character data: string |
| Scope: | The unit used for the maximum permissible variation in temperature (always $\pm{ }^{\circ} \mathrm{C}$ ) |
| LIDO path: | Path as under Maximum Temperature Variation > measurementUnit [element content: " $\pm{ }^{\circ} \mathrm{C}$ "] |
| Controlled terminology: | Only one value is permitted, $\pm{ }^{\circ} \mathrm{C}$ |
| Examples (element): | $\pm{ }^{\circ} \mathrm{C}$ |
| Divergence from LIDO: | Count (LIDO: 1-n); controlled terminology in measurementUnit; note deprecation warning |
| Maximum Temperature Variation Value |  |
| Count: | 1 |
| Content: | character data: floating point |
| Scope: | The maximum permissible variation in temperature ( $\pm$ ${ }^{\circ} \mathrm{C}$ ) |
| LIDO path: | Path as under Maximum Temperature Variation > measurementValue [element content: character data] |
| Controlled terminology: | none |

[^21]```
    Examples 2
    (element):
    Divergence none
    from LIDO:
```


## Minimum Temperature Variation Period

```
Count: 0-1
Scope: The minimum period over which the maximum permissible variation may occur, in hours
LIDO path: Path as under Temperature Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Minimum Temperature Variation Period Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the minimum period over which the maximum permissible variation may occur, in hours
LIDO path: - Path as under Minimum Temperature Variation
Period > measurementType > conceptID
@type="http://terminology.lido-schema.org/lido0009
\(9{ }^{\text {"65 }}\) optional:@pref [attribute content: LIDO terminology URL] \({ }^{66}\) [element content: "http://vocab.getty.edu/aat/300443981" \({ }^{\text {" } 7}\) ]
- Path as under Minimum Temperature Variation Period > measurementType > term [element content: "duration"]
Controlled - For conceptID, only one value is permitted: terminology: http://vocab.getty.edu/aat/300443981
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: duration
Examples For conceptID: http://vocab.getty.edu/aat/300443981
(element): For term: duration
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementType; note deprecation warning
```

[^22]Minimum Temperature Variation Period Unit
Count: 1
Content: character data: string
Scope: The unit used for the minimum period over which the maximum permissible variation may occur (always hours)
LIDO path: Path as under Minimum Temperature Variation Period > measurementUnit [element content: " $h$ "]
Controlled Only one value is permitted: $h$
terminology:
Examples $h$
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Minimum Temperature Variation Period Value
Count: 1
Content: character data: floating point
Scope: The minimum period over which the maximum permissible variation may occur, in hours
LIDO path: Path as under Minimum Temperature Variation Period > measurementValue [element content: character data]
Controlled none
terminology:
Examples 24
(element):
Divergence none
from LIDO:

## Relative Humidity Requirements Group

Count: $0-n$
LIDO path: Path as under Requirements Path Summary 3 (1) > eventObjectMeasurements with @type="http://terminology.lido-schema.org/lido00923"68 and @measurementsGroup="http://vocab.getty.edu/aat/300192097"69
Controlled - For @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00923

- For @measurementsGroup, only one value is permitted:
http://vocab.getty.edu/aat/300192097
Divergence Controlled terminology in eventObjectMeasurements @type and
from LIDO: @measurementGroup, eventType > conceptID (including @type and @pref), and eventType > term

[^23]
## Relative Humidity Requirements Text

Count: $\quad 0-1$; but if relative humidity requirements are given, then either Relative Humidity Requirements Text or Relative Humidity Requirements Measurement Group or both must be included
Content: character data: string
Scope: The relative humidity, usually a range, the item should be stored and displayed in. If two different variation values are required, for example, over 24 hours or over the period of the loan, then these should be included in two different objectMeasurementsSet blocks.
LIDO path: Path as under Relative Humidity Requirements Group > displayObjectMeasurements [element content: character data]
Controlled none
terminology:
Examples 40\%-65\%
(element):
Divergence Count (LIDO: 0-n)
from LIDO:
Relative Humidity Requirements Measurements Group
Count: $\quad 0-1$; but if relative humidity requirements are given, then either Relative Humidity Requirements Text or Relative Humidity Requirements Measurement Group or both must be included
LIDO path: Path as under Relative Humidity Requirements Group > objectMeasurements
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:

## Target Minimum Relative Humidity Group

Count: 0-1
Scope: The minimum target relative humidity (in \%); if a single target rather than a range is required, enter the same value in the Minimum and Maximum groups.
LIDO path: Path as under Relative Humidity Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Target Minimum Relative Humidity Measurement Type
Count: 1
Content: character data: string

Scope: $\quad$ The type of measurement being recorded: minimum target relative humidity (in \%)
LIDO path: - Path as under Target Minimum Relative Humidity Group > measurementType > conceptID @type="http://terminology.lido-schema.org/lido0009 9"70 optional:@pref [attribute content: LIDO terminology URL] ${ }^{71}$ [element content: "http://vocab.getty.edu/aat/300443984""2]

- Path as under Target Minimum Relative Humidity Group > measurementType > term [element content: "minimum"]

Controlled terminology:

- For conceptID, only one value is permitted: http://vocab.getty.edu/aat/300443984
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: minimum

Examples - For conceptID:
(element): http://vocab.getty.edu/aat/300443984

- For term: minimum

Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementType; note deprecation warning

Target Minimum Relative Humidity Unit
Count: 1
Content: character data: string
Scope: The unit used for the minimum target relative humidity (always \%)
LIDO path: Path as under Target Minimum Relative Humidity Group > measurementUnit [element content: "\%"]
Controlled Only one value is permitted: \%
terminology:
Examples \%
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Target Minimum Relative Humidity Value
Count: 1
Content: character data: floating point
Scope: The minimum target relative humidity (in \%)

[^24]LIDO path: Path as under Target Minimum Relative Humidity Group > measurementValue [element content: character data]
Controlled none terminology:
Examples 40
(element):
Divergence none from LIDO:

Target Maximum Relative Humidity Group
Count: 0-1
Scope: The maximum target relative humidity (in \%); if a single target rather than a range is required, enter the same value in the Minimum and Maximum groups.
LIDO path: Path as under Relative Humidity Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Target Maximum Relative Humidity Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the maximum target relative humidity (in \%).
LIDO path: - Path as under Target Maximum Relative Humidity Group > measurementType > conceptID @type="http://terminology.lido-schema.org/lido0009 $9^{\text {" } 73}$ optional: @pref [attribute content: LIDO terminology URL] ${ }^{74}$ [element content: "http://vocab.getty.edu/aat/300443983"]75

- Path as under Target Maximum Relative Humidity Group > measurementType > term [element content: "maximum"]
Controlled - For conceptID, only one value is permitted: terminology: http://vocab.getty.edu/aat/300443983
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any value from LIDO Terminology: pref
- For term, only one value is permitted: maximum

[^25]```
    Examples For conceptID: http://vocab.getty.edu/aat/300443983
    (element): For term: maximum
    Divergence Count (LIDO: 1-n); controlled terminology in
    from LIDO: measurementType; note deprecation warning
    Target Maximum Relative Humidity Unit
    Count: 1
    Content: character data: string
    Scope: The unit used for the maximum target relative humidity
    (always %).
    LIDO path: Path as under Target Maximum Relative Humidity Group
        > measurementUnit [element content: "%"]
    Controlled Only one value is permitted: %
terminology:
Examples %
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Target Maximum Relative Humidity Value
Count: 1
Content: character data: floating point
Scope: The maximum target relative humidity (in %).
LIDO path: Path as under Target Maximum Relative Humidity Group
                                    > measurementValue [element content: character data]
Controlled none
terminology:
Examples 65
(element):
Divergence none
from LIDO:
```


## Maximum Relative Humidity Variation

```
Count: 0-1
Scope: \(\quad\) The maximum permissible variation in relative humidity ( \(\pm\) \%)
LIDO path: Path as under Relative Humidity Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Maximum Relative Humidity Variation Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the maximum permissible variation in relative humidity ( \(\pm\) \%)
```

LIDO path: - Path as under Maximum Relative Humidity Variation > measurementType > conceptID
@type="http://terminology.lido-schema.org/lido0009 9"76 optional:@pref [attribute content: LIDO terminology URL] ${ }^{77}$ [element content: "http://vocab.getty.edu/aat/300443985" ${ }^{\text {" }}$ ]

- Path as under Maximum Relative Humidity Variation > measurementType > term [element content: relative humidity fluctuation]
Controlled - For conceptID, only one value is permitted: terminology: http://vocab.getty.edu/aat/300443985
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: relative humidity fluctuation
Examples For conceptID: http://vocab.getty.edu/aat/300443985
(element): For term: relative humidity fluctuation
Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementType; note deprecation warning

Maximum Relative Humidity Variation Unit
Count: 1
Content: character data: string
Scope: The unit used for the maximum permissible variation in relative humidity (always $\pm$ \%)
LIDO path: Path as under Maximum Relative Humidity Variation > measurementUnit [element content: " $\pm$ \%"]
Controlled Only one value is permitted: $\pm \%$ terminology:
Examples $\pm \%$
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Maximum Relative Humidity Variation Value
Count: 1
Content: character data: floating point
Scope: The maximum permissible variation in relative humidity ( $\pm$ \%)
LIDO path: Path as under Maximum Relative Humidity Variation > measurementValue [element content: character data]

[^26]```
    Controlled none
    terminology:
    Examples 5
    (element):
    Divergence none
    from LIDO:
    Minimum Relative Humidity Variation Period
    Count: 0-1
Scope: The minimum period over which the maximum permissible
        variation may occur, in hours
LIDO path: Path as under Relative Humidity Requirements Measurements
        Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Minimum Relative Humidity Variation Period Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the minimum period over which the maximum permissible variation may occur, in hours
LIDO path: - Path as under Minimum Relative Humidity Variation Period > measurementType > conceptID @type="http://terminology.lido-schema.org/lido0009 9"79 optional:@pref [attribute content: LIDO terminology URL] \({ }^{80}\) [element content: "http://vocab.getty.edu/aat/300443981"81]
- Path as under Minimum Relative Humidity Variation Period > measurementType > term [element content: duration]
Controlled - For conceptID, only one value is permitted:
terminology: http://vocab.getty.edu/aat/300443981
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: duration
Examples For conceptID: http://vocab.getty.edu/aat/300443981
(element): For term: duration
```

[^27]```
Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementType; note deprecation warning
Minimum Relative Humidity Variation Period Unit
Count: 1
Content: character data: string
Scope: The unit used for the minimum period over which the maximum permissible variation may occur (always hours)
LIDO path: Path as under Minimum Relative Humidity Variation Period > measurementUnit [element content: " \(h\) "]
Controlled Only one value is permitted: \(h\) terminology:
Examples h
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Minimum Relative Humidity Variation Period Value
Count: 1
Content: character data: floating point
Scope: The minimum period over which the maximum permissible variation may occur, in hours
LIDO path: Path as under Minimum Relative Humidity Variation Period > measurementValue [element content: character data]
Controlled none
terminology:
Examples 24
(element):
Divergence none
from LIDO:
```


## Visible Light Exposure Requirements Group

Count: $0-n$
LIDO path: Path as under Requirements Path Summary 3 (1) > eventObjectMeasurements with @type="http://terminology.lido-schema.org/lido00923"82 and @measurementsGroup="http://vocab.getty.edu/aat/300056024"83
Controlled - For @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00923

- For @measurementsGroup, only one value is permitted: http://vocab.getty.edu/aat/300056024

[^28]Divergence Count (LIDO: 0-n); controlled terminology in eventObjectMeasurements @type from LIDO: and @measurementGroup, eventType > conceptID (including @type and @pref), and eventType > term

## Visible Light Exposure Requirements Text

Count: $\quad 0-1$; but if visible light exposure requirements are given, then either Visible Light Exposure Requirements Text or Visible Light Exposure Requirements Measurement Group or both must be included
Content: character data: string
Scope: The maximum strength of visible light the item should be displayed in. It is assumed that if light levels are an issue then the object will be stored secured against light.
LIDO path: Path as under Visible Light Exposure Requirements Group > displayObjectMeasurements [element content: character data]
Controlled none
terminology:
Examples <50lux
(element): 150lux max 30 footcandles
Divergence Count (LIDO: 0-n)
from LIDO:
Visible Light Exposure Requirements Measurements Group
Count: $\quad 0-1$; but if visible light exposure requirements are given, then either Visible Light Exposure Requirements Text or Visible Light Exposure Requirements Measurement Group or both must be included
LIDO path: Path as under Visible Light Exposure Requirements Group > objectMeasurements
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:

## Maximum Visible Light Exposure Group

Count: 0-1
Scope: The maximum permissible visible light exposure (in lux).
LIDO path: Path as under Visible Light Exposure Requirements
Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Maximum Visible Light Exposure Measurement Type
Count: 1

| Content: | character data: string |
| :---: | :---: |
| Scope: | The type of measurement being recorded: maximum permissible visible light exposure (in lux) |
| LIDO path: | - Path as under Maximum Visible Light Exposure <br> Group > measurementType > conceptID <br> @type="http://terminology.lido-schema.org/lido0009 <br> 9 "84 optional:@pref [attribute content: LIDO <br> terminology URL] ${ }^{85}$ [element content: <br> "http://vocab.getty.edu/aat/300266203"86] <br> - Path as under Maximum Visible Light Exposure <br> Group > measurementType > term [element content: "illuminance"] |
| Controlled terminology: | - For conceptID, only one value is permitted: http://vocab.getty.edu/aat/300266203 <br> - For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099 <br> - For conceptID @pref, any numeric URI from LIDO Terminology: pref <br> - For term, only one value is permitted: illuminance |
| Examples (element): | For conceptID: http://vocab.getty.edu/aat/300266203 For term: illuminance |
| Divergence from LIDO: | Count (LIDO: 1-n); controlled terminology in measurementType; note deprecation warning |
| Maximum Visible Light Exposure Unit |  |
| Count: | 1 |
| Content: | character data: string |
| Scope: | The unit used for the maximum permissible visible light exposure (always lux) |
| LIDO path: | Path as under Maximum Visible Light Exposure Group > measurementUnit [element content: "lux"] |
| Controlled terminology: | Only one value is permitted: lx |
| Examples (element): | Ix |
| Divergence from LIDO: | Count (LIDO: 1-n); controlled terminology in measurementUnit; note deprecation warning |
| Maximum Visible Light Exposure Value |  |
| Count: | 1 |
| Content: | character data: floating point |
| Scope: | The maximum permissible visible light exposure (in lux) |

[^29]LIDO path: Path as under Maximum Visible Light Exposure Group > measurementValue [element content: character data]
Controlled none terminology:
Examples 40
(element):
Divergence none from LIDO:

## Maximum Cumulative Visible Light Exposure Group

Count: $\quad 0-1$
Scope: The maximum cumulative visible light exposure (in lux hours); this will be prorated to reflect the duration of the loan by the borrower, using the value in Maximum Cumulative Light Exposure Duration to produce a daily allowance.
LIDO path: Path as under Visible Light Exposure Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Maximum Cumulative Visible Light Exposure Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the maximum cumulative visible light exposure (in lux hours).
LIDO path: - Path as under Maximum Cumulative Visible Light
Exposure Group > measurementType > conceptID @type="http://terminology.lido-schema.org/lido0009 $9{ }^{187}$ optional:@pref [attribute content: LIDO terminology URL] ${ }^{88}$ [element content: "http://vocab.getty.edu/aat/300443982"89]

- Path as under Maximum Cumulative Visible Light Exposure Group > measurementType > term [element content: "exposure (functional concept)"]
Controlled - For conceptID, only one value is permitted: terminology: http://vocab.getty.edu/aat/300443982
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref

[^30]- For term, only one value is permitted: exposure (functional concept)
Examples For conceptID: http://vocab.getty.edu/aat/300443982
(element): For term: exposure (functional concept)
Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementType; note deprecation warning

Maximum Cumulative Visible Light Exposure Unit
Count: 1
Content: character data: string
Scope: The unit used for the maximum target visible light exposure (always lux hours).
LIDO path: Path as under Maximum Cumulative Visible Light Exposure Group > measurementUnit [element content:"lx h "]
Controlled Only one value is permitted: $\mathrm{lx} \cdot \mathrm{h}$ terminology:
Examples $\mathrm{lx} \cdot \mathrm{h}$
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Maximum Cumulative Visible Light Exposure Value
Count: 1
Content: character data: floating point
Scope: The maximum cumulative visible light exposure (in lux hours).
LIDO path: Path as under Path as under Maximum Cumulative Visible Light Exposure Group > measurementValue [element content: character data]
Controlled none
terminology:
Examples 650,000
(element):
Divergence none
from LIDO:

## Maximum Cumulative Visible Light Exposure Duration Group

Count: 0-1
Scope: The period over which the maximum cumulative visible light exposure may be accumulated (in days).
LIDO path: Path as under Visible Light Exposure Requirements
Measurements Group > measurementsSet
Controlled none
terminology:

## Divergence Count (LIDO: 0-n)

from LIDO:
Maximum Cumulative Visible Light Exposure Duration Measurement
Type
$\left.\begin{array}{lll}\text { Count: } & 1 \\ \text { Content: } \\ \text { Scope: }\end{array} \quad \begin{array}{l}\text { character data: string } \\ \text { The type of measurement being recorded: the maximum } \\ \text { cumulative visible light exposure duration (in days). }\end{array}\right\}$

[^31]```
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Maximum Cumulative Visible Light Exposure Duration Value
Count: 1
Content: character data: floating point
Scope: The maximum cumulative visible light exposure duration
(in days).
LIDO path: Path as under Maximum Cumulative Visible Light
Exposure Duration Group > measurementValue [element
content: character data]
Controlled none
terminology:
Examples 365
(element):
Divergence none
from LIDO:
```


## Ultraviolet Light Exposure Requirements Group

## Count: 0-n

LIDO path: Path as under Requirements Path Summary 3 (1) > eventObjectMeasurements with @type="http://terminology.lido-schema.org/lido00923"93 and @measurementsGroup="http://vocab.getty.edu/aat/300443983"94
Controlled - For @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00923

- For @measurementsGroup, only one value is permitted: http://vocab.getty.edu/aat/300443983
Divergence Count (LIDO: 0-n); controlled terminology in eventObjectMeasurements @type from LIDO: and @measurementGroup, eventType > conceptID (including @type and @pref), and eventType > term


## Ultraviolet Light Exposure Requirements Text

Count: $\quad 0-1$; but if ultraviolet light exposure requirements are given, then either Ultraviolet Light Exposure Requirements Text or Ultraviolet Light Exposure Requirements Measurement Group or both must be included
Content: character data: string
Scope: The maximum strength of ultraviolet light the item should be exposed to.
LIDO path: Path as under Ultraviolet Light Exposure Requirements Group > displayObjectMeasurements [element content: character data]
Controlled none
terminology:
Examples No radiation below 380 nm in wavelength
(element): $10 \mu \mathrm{~W} / \mathrm{lm}$ below 380 nm

[^32]Divergence Count (LIDO: 0-n)
from LIDO:
Ultraviolet Light Exposure Requirements Measurements Group
Count: $\quad 0-1$; but if ultraviolet light exposure requirements are given, then either Ultraviolet Light Exposure Requirements Text or Ultraviolet Light Exposure Requirements Measurement Group or both must be included
LIDO path: Path as under Ultraviolet Light Exposure Requirements Group > objectMeasurements
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:


[^33]- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is allowed: maximum

Examples For conceptID: http://vocab.getty.edu/aat/300443983
(element): For term: maximum
Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementType; note deprecation warning

Maximum Ultraviolet Light Exposure Unit
Count: 1
Content: character data: string
Scope: The unit used for the maximum permissible ultraviolet light exposure (always $\mu \mathrm{W} / \mathrm{Im}$ )
LIDO path: Path as under Maximum Ultraviolet Light Exposure
Group > measurementUnit [element content: " $\mu \mathrm{W} / \mathrm{Im}$ "]
Controlled Only one value is permitted: $\mu \mathrm{W} / \mathrm{lm}$ terminology:
Examples $\mu \mathrm{W} / \mathrm{lm}$
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Maximum Ultraviolet Light Exposure Value
Count: 1
Content: character data: floating point
Scope: The maximum permissible ultraviolet light exposure (in $\mu \mathrm{W} / \mathrm{lm}$ )
LIDO path: Path as under Maximum Ultraviolet Light Exposure Group > measurementValue [element content: character data]
Controlled none
terminology:
Examples 10
(element):
Divergence none
from LIDO:

## Target Ultraviolet Light Exposure Group

Count: $\quad 0-1$
Scope: The target ultraviolet light exposure (in $\mu \mathrm{W} / \mathrm{lm}$ ).
LIDO path: Path as under Ultraviolet Light Exposure Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:

Target Ultraviolet Light Exposure Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the target ultraviolet light exposure (in $\mu \mathrm{W} / \mathrm{Im}$ )
LIDO path: - Path as under Target Ultraviolet Light Exposure Group > measurementType > conceptID @type="http://terminology.lido-schema.org/lido0009 9"98 optional:@pref [attribute content: LIDO terminology URL] ${ }^{99}$ [element content: "http://vocab.getty.edu/aat/300443986"100]

- Path as under Target Ultraviolet Light Exposure Group > measurementType > term [element content: "targets (multidisciplinary concept)"]
Controlled - For conceptID, only one value is permitted:
terminology: http://vocab.getty.edu/aat/300443986
- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: targets (multidisciplinary concept)
Examples For conceptID: http://vocab.getty.edu/aat/300443986
(element): For term: targets (multidisciplinary concept)
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementType; note deprecation warning
Target Ultraviolet Light Exposure Unit
Count: 1
Content: character data: string
Scope: The unit used for the target ultraviolet light exposure (always $\mu \mathrm{W} / \mathrm{Im}$ )
LIDO path: Path as under Target Ultraviolet Light Exposure Group > measurementUnit [element content: " $\mu \mathrm{W} / \mathrm{Im}$ "]
Controlled Only one value is permitted: $\mu \mathrm{W} / \mathrm{lm}$
terminology:
Examples $\mu \mathrm{W} / \mathrm{lm}$
(element):
Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementUnit; note deprecation warning

[^34]Target Ultraviolet Light Exposure Value
Count: 1
Content: character data: floating point
Scope: The target ultraviolet light exposure (in $\mu \mathrm{W} / \mathrm{Im}$ )
LIDO path: Path as under Target Ultraviolet Light Exposure Group > measurementValue [element content: character data]
Controlled none
terminology:
Examples 10
(element):
Divergence none
from LIDO:
Upper Ultraviolet Light Wavelength Boundary Group
Count: 0-1
Scope: The longest wavelength, below which the maximum permissible ultraviolet light level applies (in nm).
LIDO path: Path as under Ultraviolet Light Exposure Requirements Measurements Group > measurementsSet
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:
Upper Ultraviolet Light Wavelength Boundary Measurement Type
Count: 1
Content: character data: string
Scope: The type of measurement being recorded: the longest wavelength, below which the maximum permissible ultraviolet light level applies (in nm)
LIDO path: - Path as under Upper Ultraviolet Light Wavelength Boundary Group > measurementType > conceptID @type="http://terminology.lido-schema.org/lido0009 9"101 optional:@pref [attribute content: LIDO terminology URL] ${ }^{102}$ [element content: "http://vocab.getty.edu/aat/300443987"103]

- Path as under Upper Ultraviolet Light Wavelength Boundary Group > measurementType > term [element content: wavelength]
Controlled - For conceptID, only one value is permitted:
terminology: http://vocab.getty.edu/aat/300443987

[^35]- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref
- For term, only one value is permitted: wavelength

Examples For conceptID: http://vocab.getty.edu/aat/300443987 (element): For term: wavelength
Divergence Count (LIDO: 1-n); controlled terminology in from LIDO: measurementType; note deprecation warning

Upper Ultraviolet Light Wavelength Boundary Unit
Count: 1
Content: character data: string
Scope: The unit used for the longest wavelength, below which the maximum permissible ultraviolet light level applies (always nm )
LIDO path: Path as under Upper Ultraviolet Light Wavelength Boundary Group > measurementUnit [element content: "nm"]
Controlled Only one value is permitted: nm terminology:
Examples nm
(element):
Divergence Count (LIDO: 1-n); controlled terminology in
from LIDO: measurementUnit; note deprecation warning
Upper Ultraviolet Light Wavelength Boundary Value
Count: 1
Content: character data: floating point
Scope: The longest wavelength, below which the maximum permissible ultraviolet light level applies (in nm ).
LIDO path: Path as under Upper Ultraviolet Light Wavelength Boundary Group > measurementValue [element content: character data]
Controlled none
terminology:
Examples 380
(element):
Divergence none
from LIDO:

## Installation Method

Count: - eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any instructions or requirements for the installation of the item.

LIDO path: Path as under Requirements Path Summary 3 (1) > eventDescriptionSet @type="installation method"104 $>$ descriptiveNoteValue [element content: character data]
Controlled - For @type, only one value is permitted: installation method ${ }^{105}$ terminology: - Otherwise, none
Examples lender's attachments must be used
(element): $2 \times$ mirror-plates and $2 \times$ L-plates solid plinth as per agreed design
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Display Method

Count: • eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any instructions or requirements for the display of the item.
LIDO path: Path as under Requirements Path Summary 3 (1) > eventDescriptionSet @type="display method"106 > descriptiveNoteValue [element content: character data]
Controlled - For @type, only one value is permitted: display method ${ }^{107}$
terminology: • Otherwise, none
Examples in a sealed conditioned case
(element): Not with ferrous metals no other items in case
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Security

Count: • eventDescriptionSet: 0-n

- descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any instructions or requirements for the security of the item.
LIDO path: Path as under Requirements Path Summary 3 (1) > eventDescriptionSet
@type="security"108 > descriptiveNoteValue [element content: character data]
Controlled - For @type, only one value is permitted: security ${ }^{109}$
terminology: • Otherwise, none
Examples case keys to be kept in key press
(element): invigilated at all times

[^36]Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Photography And Filming

Count: - eventDescriptionSet: 0-n - descriptiveNoteValue: 0-n

Content: character data: string
Scope: Any restrictions or requirements relating to the photography and filming of the object whilst on loan.
LIDO path: Path as under Requirements Path Summary 3 (1) > eventDescriptionSet @type="photography and filming"110 $>$ descriptiveNoteValue [element content: character data]
Controlled - For @type, only one value is permitted: photography and filming ${ }^{111}$
terminology: - Otherwise, none
Examples no technical photography allowed
(element): no flash photography all film and photography lighting to be included total cumulative lux exposure
Divergence Controlled terminology in eventDescriptionSet @type (LIDO: various values from LIDO: allowed)

## Credit Line

Count: - administrativeMetadata: 1

- rightsWorkWrap: 0-1
- rightsWorkSet: 0-1
- creditLine: 0-1

Content: character data: string
Scope: The acknowledgement which the lender requires to be published alongside the object.
LIDO path: administrativeMetadata > rightsWorkWrap > rightsWorkSet > creditLine [element content: character data]
Controlled none
terminology:
Examples © the Henry Moore Foundation
(element): On loan from the collections of Horniman Museum \& Gardens
Acquisition supported by the National Lottery through the Heritage Lottery Fund
Divergence Count rightsWorkSet, creditLine (LIDO: 0-n)
from LIDO:

## Local Record ID

Count: - administrativeMetadata: 1

- recordWrap: 1
- recordID: 1

[^37]Content: character data: string
Scope: A unique identification in the contributor's (local) system.
LIDO path: administrativeMetadata > recordWrap> recordID [element content: character data] @type [attribute content: LIDO Terminology URL]
Controlled For @type, any numeric URI from LIDO Terminology: identifier@type terminology:Otherwise, none.
Examples object-12345
(element):
Examples http://terminology.lido-schema.org/lido00100

## (attribute):

Divergence Count recordID (LIDO: 1-n); controlled terminology in recordID @ type (LIDO: from LIDO: various values allowed)

## LIDO Record Type Group

Count: - administrativeMetadata: 1

- recordWrap: 1
- recordType: 1

Content: character data: string
Scope: Whether the record represents an individual item or a collection, series or group of works.
LIDO path: administrativeMetadata > recordWrap > recordType
Controlled none
terminology:
Divergence none
from LIDO:

## LIDO Record Type Identifier

Count: 1
Content: character data: string
Scope: Term establishing whether the record represents an individual item or a collection, series or group of works.
LIDO path: Path as under LIDO Record Type Group > conceptID [element content:
LIDO Terminology URL] @type [attribute content:
"http://terminology.lido-schema.org/lido00099"112] optional:@pref [attribute content: LIDO terminology URL] ${ }^{113}$
Controlled - For conceptID, any numeric URI from LIDO Terminology:
terminology: recordType

- For conceptID @type, only one value is permitted: http://terminology.lido-schema.org/lido00099
- For conceptID @pref, any numeric URI from LIDO Terminology: pref

Examples http://terminology.lido-schema.org/lido00141 (element):

[^38]Divergence Count (LIDO: 0-n); controlled terminology in conceptID (including @type from LIDO: and @pref) (LIDO: various values allowed)

## LIDO Record Type Keyword

Count: 1
Content: character data: string
Scope: Term establishing whether the record represents an individual item or a collection, series or group of works.
LIDO path: Path as under LIDO Record Type Group > term
Controlled Any term from LIDO Terminology: recordType
terminology:
Examples Item-level record
(element):
Divergence Count (LIDO: 0-n); controlled terminology in term (LIDO: various values from LIDO: allowed)

## Lender Group [2: record source]

Count: - administrativeMetadata: 1

- recordWrap: 1 - recordSource: 1

Scope: The identifier, according to some established and published scheme, of the institution lending the item and exporting the data.
LIDO path: administrativeMetadata > recordWrap > recordSource
Controlled none
terminology:
Divergence Count (LIDO: 0-n)
from LIDO:

## Lender Identifier [2: record source]

Count: 0-n
Content: character data: string
Scope: The identifier, according to some established and published scheme, of the institution lending the item and exporting the data.
LIDO path: Path as under Lender Group [2: record source] > legalBodyID [element content: character data] @type [attribute content: LIDO Terminology URL]
Controlled - For @type, any numeric URI from LIDO Terminology:
terminology: identifier@type

- Otherwise, none

Examples VAM
(element): LDHRN
GB-UkOxU
http://vocab.getty.edu/ulan/500125190
Divergence Controlled vocabulary in legalBodyID @type (LIDO: various values from LIDO: allowed)

Lender Name [2: record source]
Count: 1
Content: character data: string
Scope: The name or identifier of the institution lending the item and exporting the data.
LIDO path: Path as under Lender Group [2: record source] > legalBodyName > appellationValue [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled - For @pref, any numeric URI from LIDO Terminology: pref terminology: - Otherwise, none
Examples: Victoria and Albert Museum Госуда́рственный Эрмита́ж (State Hermitage Museum)
Divergence Count (LIDO: 1-n)
from LIDO:

## Export Date/Timestamp

Count: - administrativeMetadata:

- recordWrap: 1
- recordInfoSet: 1
- recordMetadataDate: 1

Content: character data: date/time
Scope: A machine-generated date and time stamp in ISO 8601 format; the value must include the time zone in force when the stamp was created. Required to manage multiple, successive export and imports.
LIDO path: administrativeMetadata > recordWrap > recordInfoSet
@type=http://terminology.lido-schema.org/lido00470"114 $>$ recordMetadataDate @type="http://terminology.lido-schema.org/lido00472"115 [element content: character data]
Controlled - For recordlnfoSet @type, only one value is permitted:
terminology: http://terminology.lido-schema.org/lido00470

- For recordMetadataDate, value must provide a full date and time, with timezone information, compliant with ISO $8601^{116}$
- For recordMetadataDate @type, only one value is permitted: http://terminology.lido-schema.org/lido00472
Examples 2018-10-17T20:25:01Z
(element): 2018-10-17T20:25:01+03:00
Divergence Count recordlnfoSet, recordMetadataDate (LIDO: 0-n); controlled vocabulary in from LIDO: recordInfoSet @type and recordMetadataSet @type (LIDO: various values allowed) and restricted format in recordMetadataSet (LIDO: various formats allowed, but Schematron will warn if not a full ISO 8601 date/time with timezone)

[^39]
## Image Group

Count: - administrativeMetadata: 1

- resourceWrap: 0-1
- resourceSet: 0-n
- resourceRepresentation: 0-n

Scope: Information relating to any associated images also being exchanged.
LIDO path: administrativeMetadata > resourceWrap > resourceSet > resourceRepresentation
Controlled none
terminology:
Divergence none
from LIDO:
Image
Count: 1
Content: character data: string
Scope: The file name or, preferably, the URI of any associated images also being exchanged.
LIDO path: Path as under Image Group > linkResource [element content: character data] optional:@pref [attribute content: LIDO terminology URL]
Controlled - The name of an individual file containing an image of the object and terminology: which accompanies the EODEM XML file, expressed without any qualifying path, or (ideally) an accessible URL pointing to an image of the object

- For @pref, any numeric URI from LIDO Terminology: pref

Examples https://museum.exchange.images/loan123/chair-reverse.tif
(element): IMG12345.jpg
Divergence none
from LIDO:
Image Type
Count: 0-1
Content: character data: string
Scope: The type of any associated images also being exchanged.
LIDO path: Path as under Image Group > linkResource @formatResource [attribute content: character data]
Controlled Only terms from the official IANA list are permitted ${ }^{117}$
terminology:
Examples image/jpeg
(attribute):
Divergence Controlled terminology in linkResource @formatResource (LIDO:
from LIDO: various values are allowed)

[^40]
## Appendix 1: new elements / attributes in LIDO 1.1

- applicationProfile
- descriptiveMetadata > objectIdentificationWrap > objectMaterialsTechWrap
- descriptiveMetadata > eventWrap > eventSet > event > eventObjectMeasurements @type
- descriptiveMetadata > eventWrap > eventSet > event > eventObjectMeasurements @measurementsGroup


## Appendix 2: terminology terms

The following terms are listed as an aide-memoire; in all cases, the term's source must be taken as authoritative.

## AAT

See https://www.getty.edu/research/tools/vocabularies/aat/
In alphabetical order

- duration: http://vocab.getty.edu/aat/300443981
- exposure (functional concept): http://vocab.getty.edu/aat/300443982
- illuminance: http://vocab.getty.edu/aat/300266203
- light (energy): http://vocab.getty.edu/aat/300056024
- maximum: http://vocab.getty.edu/aat/300443983
- minimum: http://vocab.getty.edu/aat/300443984
- relative humidity: http://vocab.getty.edu/aat/300192097
- relative humidity fluctuation: http://vocab.getty.edu/aat/300443985
- targets (multidisciplinary concept): http://vocab.getty.edu/aat/300443986
- temperature: http://vocab.getty.edu/aat/300056066
- temperature fluctuation: http://vocab.getty.edu/aat/300443559
- ultraviolet radiation: http://vocab.getty.edu/aat/300056056
- valuation: http://vocab.getty.edu/aat/300412096
- valuation note: http://vocab.getty.edu/aat/300435426
- wavelength: http://vocab.getty.edu/aat/300443987

In numerical order

- http://vocab.getty.edu/aat/300056024: light (energy)
- http://vocab.getty.edu/aat/300056056: ultraviolet radiation
- http://vocab.getty.edu/aat/300056066: temperature
- http://vocab.getty.edu/aat/300192097: relative humidity
- http://vocab.getty.edu/aat/300266203: illuminance
- http://vocab.getty.edu/aat/300412096: valuation
- http://vocab.getty.edu/aat/300435426: valuation note
- http://vocab.getty.edu/aat/300443559: temperature fluctuation
- http://vocab.getty.edu/aat/300443981: duration
- http://vocab.getty.edu/aat/300443982: exposure (functional concept)
- http://vocab.getty.edu/aat/300443983: maximum
- http://vocab.getty.edu/aat/300443984: minimum
- http://vocab.getty.edu/aat/300443985: relative humidity fluctuation
- http://vocab.getty.edu/aat/300443986: targets (multidisciplinary concept)
- http://vocab.getty.edu/aat/300443987: wavelength


## LIDO Terminology

See http://xtree-public.digicult-verbund.de/vocnet/

## In contextual order

actor@type (http://terminology.lido-schema.org/lido00162; any term)

- Group of persons (Actor type): http://terminology.lido-schema.org/lido00165
- Family: http://terminology.lido-schema.org/lido00166
- Organization (Actor type): http://terminology.lido-schema.org/lido00413
- Person: http://terminology.lido-schema.org/lido00163
eventType (http://terminology.lido-schema.org/lido00222; depending upon context, any term; or restricted to the following)
- Beginning of existence: http://terminology.lido-schema.org/lido00028 or any narrower term
- loan assessment: http://terminology.lido-schema.org/lido00795
- display (object requirements assessment): http://terminology.lido-schema.org/lido00794
- move of object (object requirements assessment): http://terminology.lido-schema.org/lido00793
identifier@type (http://terminology.lido-schema.org/lido00098; any term)
- IRI: http://terminology.lido-schema.org/lido00510
- Local identifier: http://terminology.lido-schema.org/lido00100
- URI: http://terminology.lido-schema.org/lido00099
objectMeasurementsSet@type (http://terminology.lido-schema.org/lido00922; any term)
- Object property: http://terminology.lido-schema.org/lido00927
- Object requirement: http://terminology.lido-schema.org/lido00923
pref (http://terminology.lido-schema.org/lido00168; any term)
- Alternative: http://terminology.lido-schema.org/lido00170
- Display flag: http://terminology.lido-schema.org/lido00526
- Hidden: http://terminology.lido-schema.org/lido00426
- Preferred: http://terminology.lido-schema.org/lido00169
recordMetadataDate@type (http://terminology.lido-schema.org/lido00219)
- created: http://terminology.lido-schema.org/lido00472
recordType (http://terminology.lido-schema.org/lido00140; any term)
- Component-level record: http://terminology.lido-schema.org/lido00447
- Group-level record: http://terminology.lido-schema.org/lido00453
- Item-level record: http://terminology.lido-schema.org/lido00141
repositorySet@type (http://terminology.lido-schema.org/lido00171)
- Current repository or location: http://terminology.lido-schema.org/lido00475


## In numerical order

- http://terminology.lido-schema.org/lido00028: Beginning of existence
- http://terminology.lido-schema.org/lido00099: URI
- http://terminology.lido-schema.org/lido00100: Local identifier
- http://terminology.lido-schema.org/lido00141: Item-level record
- http://terminology.lido-schema.org/lido00163: Person
- http://terminology.lido-schema.org/lido00165: Group of persons (Actor type)
- http://terminology.lido-schema.org/lido00166: Family
- http://terminology.lido-schema.org/lido00169: Preferred
- http://terminology.lido-schema.org/lido00170: Alternative
- http://terminology.lido-schema.org/lido00413: Organization (Actor type)
- http://terminology.lido-schema.org/lido00426: Hidden
- http://terminology.lido-schema.org/lido00447: Component-level record
- http://terminology.lido-schema.org/lido00453: Group-level record
- http://terminology.lido-schema.org/lido00472: created
- http://terminology.lido-schema.org/lido00475: Current repository or location
- http://terminology.lido-schema.org/lido00510: IRI
- http://terminology.lido-schema.org/lido00526: Display flag
- http://terminology.lido-schema.org/lido00793: move of object (object requirements assessment)
- http://terminology.lido-schema.org/lido00794: display (object requirements assessment)
- http://terminology.lido-schema.org/lido00795: loan assessment
- http://terminology.lido-schema.org/lido00923: Object requirement
- http://terminology.lido-schema.org/lido00927: Object property


## Version control

Current version:

Planned revision date: July 2021

| Version | Date | Author(s) | Change | Marked | Status |
| :--- | :--- | :--- | :--- | :--- | :--- |


| 0.01 | 25 October 2020 | Rupert Shepherd | Document created from EODEM_data-description__V00_12 and EODEM_LIDO_Mapping__V01_04 | No | Draft |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0.02 | $\begin{array}{\|l} 9 \\ \text { November } \\ 2020 \end{array}$ | Rupert Shepherd | - List of mandatory elements updated to include LIDO requirements <br> - Reference to image folders in General principle no. 16 corrected <br> - General principle no. 21 (on cardinality) added <br> - Requirement measurements moved from objectldentifciationWrap to eventObjectMeasurements <br> - Cardinality altered to insist upon a term in term / conceptID pairs, and to make elements where EODEM depends upon use of a particular controlled vocabulary mandatory <br> - Document reordered, and nesting revised, to match order of LIDO record <br> - Object Identifier Type merged into Object Identifier <br> - Object Type Identifier cardinality corrected <br> - New groups added to measurement-related units of information, and naming rationalised to reflect changed grouping <br> - Material Group added and child units of information moved down hierarchy <br> - Maker Identification Group added and child units of information moved down hierarchy <br> - Value Group added and child units of information moved down hierarchy <br> - Keywords explicitly labelled, to distinguish from Identifiers <br> - Requirements broken down into texts, measurement groups, and individual type/unit/value groups, and child units of information moved down hierarchy accordingly <br> - Requirement measurements moved from objectMeasurementsWrap to eventObjectMeasurements, and new eventObjectMeasurements @measurementsGroup added <br> - New draft LIDO Terminology: eventType values added <br> - Group names removed from their members' headings | Partly | Draft |
| 0.03 | $\begin{array}{\|l\|} 14 \\ \text { November } \\ 2020 \end{array}$ | Rupert Shepherd | Marked changes carried in and comments removed | No | Working draft |
| 0.04 | 17 <br> February 2021 | Rupert Shepherd | - 'Mechanism' changed to 'model' silently <br> - 'Transfer of files' and 'A note about security' added <br> - 'Divergence from LIDO' added to all units of information <br> - @type added, and value specified, for all members of identifierComplexType which lacked it <br> - @pref and accompanying comments under controlled vocabulary and divergence from LIDO, and footnotes, added for titleSet, appellationValue, linkResource, term, actorID and conceptID <br> - LIDO Application Profile scope corrected <br> - Dimension Group / Measurement: controlled terminology corrected <br> - Maker Identifier count changed <br> - Maker Earliest date, Maker Latest Date: updated to recommend use of ISO 8601 standard <br> - Date: updated to specify use of ISO 8601 standard <br> - LIDO Record Type: split into Identifier and Keyword | In red | Working draft |


|  |  |  | to match LIDO |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0.05 | $\begin{array}{\|l} 31 \text { May } \\ 2021 \end{array}$ | Rupert Shepherd | - Logo added and sub-titles updated <br> - Acknowledgements added <br> - Additional headings added to help organise XML paths: <br> - Root path <br> - Object Type Group <br> - Lender Group [1: repository] <br> - Requirements Path Summary 2 <br> - Requirements Path Summary 2 <br> - Requirements Path Summary 3 <br> - Lender Group [2: record source] <br> - Image Group <br> - Value Group moved from eventDescriptionSet to eventObjectMeasurements <br> - Repetitive elements of XML paths removed from all descendant units of information <br> - Newly-established AAT and LIDO terminology terms and URIs added as required <br> - All LIDO terminology lexical URIs replaced with numeric URIs <br> - Planned replacement of eventDescriptionSet @type string values with URIs noted <br> - Controlled Terminology sections reviewed, individual values added where only single values are permitted, and all URIs and references to LIDO Terminology headings converted to hyperlinks <br> - Count and Divergence from LIDO sections reviewed and updated where necessary <br> - Rule and Null sections removed <br> - Data type entries updated thus: <br> 'char' changed to 'character data: string' <br> 'date/time' changed to 'character data: date/time' <br> 'float' changed to 'character data: floating point' <br> - Count limit on individual object requirement units of information removed <br> - All used AAT and LIDO terms added to Appendix 2 | In orange | Working draft |


[^0]:    ${ }^{1}$ LIDO numeric URI for LIDO Terminology term ‘URI'.

[^1]:    ${ }^{2}$ Content likely to be replaced by LIDO terminology URL.
    ${ }^{3}$ @pref will be ignored by importers, because EODEM assumes that all IDs are equivalent; exporters should bear this in mind when exporting identifiers.

[^2]:    ${ }^{4}$ https://www.iana.org/assignments/language-subtag-registry/language-subtag-registry

[^3]:    ${ }^{5}$ LIDO numeric URI for LIDO Terminology term ‘Current repository or location’.

[^4]:    ${ }^{6}$ @pref will be ignored by importers, because EODEM assumes that all IDs are equivalent; exporters should bear this in mind when exporting identifiers.

[^5]:    ${ }^{7}$ LIDO numeric URI for LIDO Terminology term 'beginning of existence' in LIDO Terminology: eventType; a narrower term form this hierarchy may be used instead.
    ${ }^{8}$ LIDO numeric ID for term 'URI'.
    ${ }^{9}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{10}$ Or some narrower term drawn from below 'beginning of existence' in LIDO Terminology: eventType.
    ${ }^{11}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.

[^6]:    ${ }^{12}$ @pref will be ignored by importers, because EODEM assumes that all IDs are equivalent; exporters should bear this in mind when exporting identifiers.

[^7]:    ${ }^{13}$ For an introduction, see https://en.wikipedia.org/wiki/ISO 8601.

[^8]:    ${ }^{14}$ For an introduction, see https://en.wikipedia.org/wiki/ISO 8601.
    ${ }^{15}$ @pref will be ignored by importers, because EODEM assumes that all IDs are equivalent; exporters should bear this in mind when exporting identifiers.

[^9]:    ${ }^{16}$ @pref will be ignored by importers, because EODEM assumes that all IDs are equivalent; exporters should bear this in mind when exporting identifiers.

[^10]:    ${ }^{17}$ For an introduction, see https://en.wikipedia.org/wiki/ISO 8601.

[^11]:    ${ }^{18}$ @pref will be ignored by importers, because EODEM assumes that all IDs are equivalent; exporters should bear this in mind when exporting identifiers.
    ${ }^{19}$ Numeric URI for LIDO Terminology term 'loan assessment'.

[^12]:    ${ }^{20}$ Numeric URI for LIDO Terminology term ‘URI'.
    ${ }^{21}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{22}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{23}$ Numeric URI for LIDO Terminology term 'object property'
    ${ }^{24}$ URI for established AAT term 'valuation note'.

[^13]:    ${ }^{25}$ URI for established AAT term 'valuation'.
    ${ }^{26}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{27}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{28}$ For an introduction, see https://en.wikipedia.org/wiki/ISO 4217.
    ${ }^{29}$ URI for established AAT term 'valuation'.
    ${ }^{30}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{31} @ p r e f$ will be ignored by importers, because only one term is permissible here in EODEM.

[^14]:    ${ }^{32}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{33}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{34}$ To be replaced by a URI from a controlled vocabulary.

[^15]:    ${ }^{35}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{36}$ Numeric URI for LIDO Terminology term 'move of object (object requirements assessment)'.
    ${ }^{37}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{38} @$ pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{39}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.

[^16]:    ${ }^{40}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{41}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{42}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{43}$ To be replaced by a URI from a controlled vocabulary.

[^17]:    ${ }^{44}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{45}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{46}$ Data is relevant to both a 'display' and a 'move of object' event, but EODEM only maps it to 'move of object'.
    ${ }^{47}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{48}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{49}$ Numeric URI for LIDO Terminology term 'display (object requirements assessment)'.

[^18]:    ${ }^{50}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{51}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{52}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{53}$ Numeric URI for LIDO Terminology term 'Object requirement'.
    ${ }^{54}$ URI for established AAT term 'temperature'.

[^19]:    ${ }^{55}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{56}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{57}$ URI for AAT term 'minimum'.
    ${ }^{58}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.

[^20]:    ${ }^{59}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{60}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{61}$ URI for AAT term 'maximum'.

[^21]:    ${ }^{62}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{63}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{64}$ URI for AAT term 'temperature fluctuation'.

[^22]:    ${ }^{65}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{66}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{67}$ URI for AAT term 'duration'.

[^23]:    ${ }^{68}$ Numeric URI for LIDO Terminology term 'object requirement'.
    ${ }^{69}$ URI for established AAT term 'relative humidity'.

[^24]:    ${ }^{70}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{71}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{72}$ URI for AAT term 'minimum'.

[^25]:    ${ }^{73}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{74}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{75}$ URI for AAT term 'maximum'.

[^26]:    ${ }^{76}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{77}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{78}$ URI for AAT term 'relative humidity fluctuation'.

[^27]:    ${ }^{79}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{80} @ p r e f$ will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{81}$ URI for AAT term 'duration'.

[^28]:    ${ }^{82}$ Numeric URI for LIDO Terminology term 'Object requirement'.
    ${ }^{83}$ URI for established AAT term 'light (energy)'.

[^29]:    ${ }^{84}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{85}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{86}$ URI for AAT term 'illuminance'.

[^30]:    ${ }^{87}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{88}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{89}$ URI for AAT term 'exposure (functional concept)'.

[^31]:    ${ }^{90}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{91}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{92}$ URI for AAT term 'duration'.

[^32]:    ${ }^{93}$ Numeric URI for LIDO Terminology term 'Object requirement'.
    ${ }^{94}$ URI for established AAT term 'ultraviolet radiation'.

[^33]:    ${ }^{95}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{96}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{97}$ URI for AAT term 'maximum'.

[^34]:    ${ }^{98}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{99}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.
    100 URI for AAT term 'targets (multidisciplinary concept)'.

[^35]:    ${ }^{101}$ Numeric URI for LIDO Terminology term 'URI',
    102 @pref will be ignored by importers, because only one term is permissible here in EODEM.
    ${ }^{103}$ URI for AAT term 'wavelength'.

[^36]:    ${ }^{104}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{105}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{106}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{107}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{108}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{109}$ To be replaced by a URI from a controlled vocabulary.

[^37]:    ${ }^{110}$ To be replaced by a URI from a controlled vocabulary.
    ${ }^{111}$ To be replaced by a URI from a controlled vocabulary.

[^38]:    ${ }^{112}$ Numeric URI for LIDO Terminology term 'URI'.
    ${ }^{113}$ @pref will be ignored by importers, because only one term is permissible here in EODEM.

[^39]:    ${ }^{114}$ Numeric URI for LIDO Terminology term 'LIDO record'.
    ${ }^{115}$ Numeric URI for LIDO Terminology term 'created'.
    ${ }^{116}$ For an introduction, see https://en.wikipedia.org/wiki/ISO 8601.

[^40]:    ${ }^{117}$ http://www.iana.org/assignments/.

