

TO: Robert Rendall, Chair
ALA/ALCTS/CaMMS/Committee on Cataloging: Description and Access (CC:DA)
FROM: Francis Lapka and Diane Hillmann, Co-chairs
Task Force on Machine-Actionable Data Elements in RDA Chapter 3
SUBJECT: Revision Proposal from the TF on Machine-Actionable Data Elements in RDA Chapter 3

The Task Force on Machine-Actionable Data Elements in RDA Chapter 3 (M.A.D. TF) was organized in 2011 to apply a more advanced approach to describing information about resources that were a result of measurement or counting of dimensions, duration, pagination and other extent information in a way that was easier for machines to parse and use. Traditional descriptions of extent were crafted by humans primarily for human display, using text strings comprised of numbers and captions based on long standing conventions established originally for card catalogs. While recognizing the clear need need for machine actionability, the TF built in the ability to either allow the machine to create a traditional text string from data supplied according to machine needs, or, if the information is too difficult for the machine to properly manipulate, to retain a parallel place for a human-created string.

Because we anticipate a fairly long and fraught transition from current practices and methods to those essential for successful linked data, we think a phased approach, where we proceed with the more obvious places where this strategy will improve our data, then use what we've learned to move on to other places in RDA where traditional creation of strings is still part of the guidance, and apply these strategies to other areas.

For the 2013 meeting of the JSC, ALA presented [a discussion paper](#) from the present task force making the following four recommendations:

1. Add Extent of Expression to the RDA element set and consider making it core when the extent is readily ascertainable and considered important for identification or selection.
2. Add Extent of Item to the RDA element set, to parallel Extent of Manifestation and the proposed Extent of Expression.
3. Extend the RDA/ONIX Framework for Resource Categorization, in order to flesh out fuller sets of types for content and carrier.
4. Modify the Aspect-Unit-Quantity (AUQ) model, as presented below, to accommodate complex extent data.

The JSC encouraged development of recommendations 1 and 4. Recommendation 2 (extent of item) was not accepted, while recommendation 3 was forwarded to the JSC RDA/ONIX Framework Working Group.

The proposal includes six sections:

1. Measurements
2. Extent of the Carrier
3. Pagination and Foliation
4. Dimensions
5. Extent of the Content
6. Duration

At the beginning of each section, we include notes on changes and outstanding issues.

The document should be considered a formal revision proposal; but, because many of the details are dependent on variables beyond the control of the task force, it is necessarily a work in progress and cannot be implemented as is. One of the major dependencies is the development of a value vocabulary for Extent of the Content. We also recognize that encoding standards such as MARC and MODS are not yet compatible with the machine-actionable methods for recording data that we propose.

Some of the changes proposed will impact sections of RDA that are not yet treated in the proposal (e.g., 3.21.2 Note on Extent of Manifestation).

We reiterate a point we've made in earlier papers: the machine-actionable examples in this proposal formally illustrate data elements and data values. These examples should not be construed to reflect the form of the data that will be displayed to the user or (necessarily) the form of the data as it is entered in a given cataloging interface. Most of the components of a machine actionable measurement will come from controlled vocabularies. This binding to controlled vocabularies will enable any number of options when the data is displayed, including alternative labels or labels in other languages. And it may be that the preferred display for some communities will closely resemble what we use now in measurements recorded as strings. In the case of Extent (carrier and content), we may assume that the value recorded for Measurement Type will usually not be displayed to the user; and in a cataloging interface, it may be automatically populated by the software.

Task Force members: John Attig, Dominique Bourassa, Karen Coyle, Gordon Dunsire, Diane Hillmann, Francis Lapka, Elizabeth O'Keefe, Mark Scharff, Amanda Sprochi.

1. Measurements

The present proposal introduces a significant new concept: a Measurement element which

- a) is not tied to a single WEMI entity, and
- b) functions as a super-property for all other types of measurements in RDA (e.g. Extent of the Carrier, Dimensions, Duration, etc.).

The task force thinks it is unwise to create separate Measurements elements for Expression, Manifestation, and Item, because the scope and definition of Measurements are consistent throughout. Instead, we suggest that a Measurement is an attribute of a single high-level class to which WEMI entities are subclasses. If, for example, the FRBR consolidated model proposes that WEMI entities are subclasses of Res (formerly Thema) -- and RDA follows suit -- then Measurement would be an attribute of Res. The task force envisions the Measurement property as a useful step in the direction of a more logical and less redundant RDA model.

The Measurement element maintains the general model that the present task force put forth in earlier discussion papers. It has the following five sub-elements:

- Measurement Type (formerly Aspect)
- Measurement Unit
- Measurement Quantity
- Part Measured
- Measurement Qualifier

Part Measured and Measurement Qualifier are used only if necessary for clarity.

The above sub-elements would be used to record the data in machine-actionable form. For any measurement recorded as a string (not machine-actionable), no new elements or sub-elements are proposed. Measurements recorded as a string would be recorded within existing elements for Extent of the Carrier, Dimensions, etc.

The proposal suggests that all measurements may be recorded as a set of sub-elements (in machine-actionable form), as a string, or both. The option to record both is intended to cover those situations where a measurement recorded as a set of sub-elements is considered useful for machine processing, but for which the corresponding human-readable display string is of sufficient complexity to require direct manipulation.

Defining the Measurement element at a high level allows us to model its sub-elements (Measurement Type, etc.) once, sparing us unnecessary complexity in the element set and instructions alike. This means, for example, that an element such as Dimensions will not have its own Measurement Quantity sub-element; instead, it will reuse the Measurement Quantity sub-element already defined at the higher level.

The task force notes that there are additional elements in RDA (or portions of elements), beyond the scope of our current work; these could also be brought under the umbrella of the machine-actionable Measurement model. They include: Font Size (3.13), File Size (3.19.4), Resolution (3.19.5), Encoded Bitrate (3.19.7), and Illustrations (7.15).

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x.y Measurements

x.y.1 Basic Instructions on Measurements

x.y.1.1 Scope

A **measurement** ▼ is information about the extent, dimensions, or duration of a resource, recorded in terms of units and numerical values.

x.y.1.2 Sources of Information

For guidance on choosing sources of information for measurements, see the instructions for specific sub-elements of a measurement as follows:

- a) For measurement type, see [x.y.2](#).
- b) For measurement unit, see [x.y.3](#).
- c) For measurement quantity, see [x.y.4](#).
- d) For part measured, see [x.y.5](#).
- e) For measurement qualifier, see [x.y.6](#).
- f) For measurements recorded as a string, see [x.y.7](#).

x.y.1.3 Recording Measurements

Record the measurement by using one or both of the following methods:

- a) a set of measurement sub-elements (see [x.y.2-x.y.6](#)). Measurement type, measurement unit, and measurement quantity are required.
and/or
- b) a string, combining the values of appropriate measurement sub-elements (see [x.y.7](#))

A measurement recorded as a string may be especially appropriate if complete measurement information cannot be readily recorded by means of a set of measurement sub-elements.

x.y.2 Measurement Type

Measurement type is a core element.

x.y.2.1 Scope

Measurement type ▼ is a categorization reflecting the aspect of the resource being measured (e.g., carrier extent units, height, duration).

x.y.2.2 Sources of Information

Take information on measurement type from any source.

x.y.2.3 Recording Measurement Type

Record a measurement type by applying the appropriate instructions:

- extent of the carrier (see [3.4](#))
- dimensions (see [3.5](#))
- extent of the content (see [\[7.x\]](#))
- duration (see [7.22](#))

EXAMPLE

carrier extent units

height

playing time

x.y.3 Measurement Unit

Measurement unit is a core element.

x.y.3.1 Scope

Measurement unit ▼ is the standard used for measurement of the resource (e.g., cm, linear feet, seconds). For measurements of extent, measurement unit is a physical or logical constituent of a resource (e.g., volume, audiocassette, map).

x.y.3.2 Sources of Information

Take information on measurement unit from any source.

x.y.3.3 Recording Measurement Unit

Record a measurement unit by applying the appropriate instructions:

- extent of the carrier (see [3.4](#))
- dimensions (see [3.5](#))
- extent of the content (see [\[7.x\]](#))
- duration (see [7.22](#))

EXAMPLE

pages

cm

maps

seconds

x.y.4 Measurement Quantity

Measurement quantity is a core element.

x.y.4.1 Scope

Measurement quantity ▼ is the numerical value of the measurement.

x.y.4.2 Sources of Information

Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording measurement quantity. Take additional evidence from any source.

x.y.4.3 Recording Measurement Quantity

Record a measurement quantity by applying the appropriate instructions:

- extent of the carrier (see [3.4](#))
- dimensions (see [3.5](#))
- extent of the content (see [\[7.x\]](#))
- duration (see [7.22](#))

EXAMPLE

315

24.8

1

x.y.5 Part Measured

x.y.5.1 Scope

Part measured ▼ is an indication of the part of the resource being measured, included when necessary for clarity (e.g., tape, binding, plate mark).

x.y.5.2 Sources of Information

Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording part measured. Take additional evidence from any source.

x.y.5.3 Recording Part Measured

Record the part measured by applying the appropriate instructions:

- extent of the carrier (see [3.4](#))
- dimensions (see [3.5](#))
- extent of the content (see [\[7.x\]](#))
- duration (see [7.22](#))

EXAMPLE

tape
binding
plate mark

x.y.6 Measurement Qualifier

x.y.6.1 Scope

Measurement qualifier ▼ is a word or phrase that elaborates on the nature of the measurement when necessary, e.g., when the measurement is approximate.

x.y.6.2 Sources of Information

Take information on measurement qualifier from any source.

x.y.6.3 Recording Measurement Qualifier

Record a measurement qualifier by applying the appropriate instructions:

- extent of the carrier (see [3.4](#))
- dimensions (see [3.5](#))
- extent of the content (see [\[7.x\]](#))
- duration (see [7.22](#))

EXAMPLE

approximately

identical

or smaller

folded

x.y.7 Measurement Recorded as a String

Record a measurement as a string by combining the values of appropriate measurement sub-elements (see [x.y.2-x.y.6](#)), applying the appropriate instructions:

- extent of the carrier (see [3.4](#))
- dimensions (see [3.5](#))
- extent of the content (see [\[7.x\]](#))
- duration (see [7.22](#))

EXAMPLE

2 audiotape reels

6 drawings

30 cm

approximately 90 min.

2. Extent of the Carrier

The proposal adapts the existing text of RDA 3.4 and employs the sub-elements of Measurement (introduced above). The instructions make reference to Measurement guidelines in the same manner that instructions in RDA Chapters 25-27 refer to Chapter 24 for general guidance on recording relationships.

Guidelines from 3.4.2 to 3.4.6 (Extent of Cartographic Resource, Notated Music, Still Image, Text, and Three-Dimensional Form) have been repurposed in other sections. Most of the current guidelines in this area concern Extent of the Content; the proposal modifies these guidelines for inclusion in Chapter 7.

The proposal applies a significant reevaluation of the *nature* of the data recorded in RDA 3.4.5 Extent of Text. Most of the guidelines in 3.4.5 are re-purposed in a new element that we propose for Pagination and Foliation. We suggest this change because the data is fundamentally different than that recorded for other varieties of Extent of the Carrier; that is, only for subunits of volumes do we record extent based on how the resource presents its numeration -- which is more *transcription* than true *measurement*. See section 3 (below) for additional information on Pagination and Foliation.

Within Extent of the Carrier (3.4), treatment of volumes, and their subunits, is much simplified. The task force proposes:

- a. Extent of volumes should be treated in the same manner as other carriers. When there is one volume, this should be recorded as the carrier extent unit. By always recording the number of volumes, we clarify whether the subunits (e.g., pages) belong to an online resource, portfolio, microfilm, or volume.
- b. The extent of subunits for volumes -- as a true *measurement* -- should not attempt to record the manner in which the resource presents itself (i.e., the sequences of pagination and foliation). Thus:
 - Extent of subunits for volumes is used to record the *total* number of pages/leaves and pages of plates/leaves of plates. Data on the sequencing of pages, etc., are properly recorded in Pagination and Foliation, not extent.
 - The distinction between numbered and unnumbered pages is recorded in Pagination and Foliation, but not in extent.
 - Numbering (i.e. self-presentation) in terms of columns is recorded in Pagination and Foliation, but not in extent.

The task force suggests that almost all legacy data recorded in extent statements for resources issued as volumes (when subunits are recorded) is actually data describing pagination and foliation, not extent (although the two concepts are of course closely related). Pagination and foliation information will frequently provide a reliable approximation of the extent measurement. The distinction

between the two varieties of data -- and the possibility that machines may assist in the transformation of *pagination* to *extent*, is nicely illustrated by a web page/script provided by Thomas Meehan:

<http://www.aurochs.org/mashcat/pages.html>

The proposal introduces a short sub-section, 3.4.1.x More than One Volume, for two ends:

- a) to provide an instruction on the distinction between bibliographic volumes and physical volumes (at the moment, the only guidance is in a note at 3.21.2.8)
- b) to serve as a necessary home for the important exception for completed serials

Instructions for cases and portfolios, previously included as subsections in Extent of Text and Extent of Still Images, are now treated in an exception in 3.4.1.3.

The proposal applies a more principled approach to resources for which subunits parallel those issued as a volume (e.g., PDFs and microfilm). It makes a distinction between those that reproduce other resources and those that don't (see the final paragraphs in the proposed 3.4.1.7).

The proposal moves instructions for program files, data files, statements, and records to Extent of the Content (as informed by FRBR 4.3.8).

The proposal removes the current guidelines for Units and Sets of Units with Identical Content in 3.4.1.6). As the heading suggests, the *content* is identical; there is nothing noteworthy, in this scenario, about the carrier units. The presence of identical content can be recorded in 7.x.1.6 (as proposed).

The proposal suggests that data recorded for Location of the Part Within the Larger Resource (3.4.12.1.2) should be recorded in a new element associated with relationships: Location within a resource (24.7). This data element is also invoked in the RBMS proposal.

This column shows the proposed revision to 3.4.

This column shows equivalent portions of RDA's current 3.4.

3.4 Extent of the Carrier

CORE ELEMENT

Extent of the carrier is a core element only if the resource is complete or if the total extent is known. Record subunits only if readily ascertainable and considered important for identification or selection.

3.4.1 Basic Instructions on Recording Extent of the Carrier

3.4.1.1 Scope

Extent of the carrier ▼ is a measurement of the number and type of carrier units and/or subunits making up a resource.

For instructions on recording sub-elements of the extent of the carrier, see [x.y](#).

A **carrier unit ▼** is a physical constituent of a resource (e.g., a volume, an audiocassette, a digital file).

A **carrier subunit ▼** is a physical subdivision of a carrier unit (e.g., a page of a volume, a sheet of a flipchart, a frame of a microfiche).

For instructions on recording extent of the content, see [7.x](#).

For instructions on recording duration see [7.22](#).

3.4.1.2 Sources of Information

Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording the extent of the carrier. Take additional evidence from any source.

3.4 Extent

CORE ELEMENT

Extent is a core element only if the resource is complete or if the total extent is known. Record subunits only if readily ascertainable and considered important for identification or selection.

3.4.1 Basic Instructions on Recording Extent

3.4.1.1 Scope

Extent ▼ is the number and type of units and/or subunits making up a resource.

A **unit ▼** is a physical or logical constituent of a resource (e.g., a volume, audiocassette, film reel, a map, a digital file).

A **subunit ▼** is a physical or logical subdivision of a unit (e.g., a page of a volume, a frame of a microfiche, a record in a digital file).

For instructions on recording duration (i.e., playing time, running time, performance time, etc.), see [7.22](#).

3.4.1.2 Sources of Information

Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording the extent of the resource. Take additional evidence from any source.

<p>3.4.1.3. Recording Extent of the Carrier</p> <p>Record the extent of the carrier by applying the general guidelines for measurements at x.y.</p> <p>Use one or both of the following methods:</p> <ul style="list-style-type: none"> a) a set of measurement sub-elements (see x.y) b) a string, combining the values of appropriate measurement sub-elements. 	<p>3.4.1.3 Recording Extent</p> <p>Record the extent of the resource by giving the number of units and the type of unit. For the type of unit, use an appropriate term from the list of carrier types at 3.3.1.3. Record the term in the singular or plural, as applicable.</p>
<p>For measurement type (see x.y.2), record:</p> <p>either</p> <ul style="list-style-type: none"> a) <i>carrier extent units</i> for counts of carrier units <p>or</p> <ul style="list-style-type: none"> b) <i>carrier extent subunits</i> for counts of carrier subunits. 	
<p>Exception</p> <p>For extent recorded as a string, omit the measurement type.</p>	
<p>Record the measurement unit (see x.y.3) by giving an appropriate term from the list of carrier types at 3.3.1.3. Record the term in the singular or plural, as applicable.</p>	
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: microfilm cassette MEASUREMENT QUANTITY: 1</p>	

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: slides
MEASUREMENT QUANTITY: 100

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: audiotape reels
MEASUREMENT QUANTITY: 2

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: film reel
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: video cartridge
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: computer disc
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: online resource
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: microfiches
MEASUREMENT QUANTITY: 3

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: volume
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: sheets
MEASUREMENT QUANTITY: 3

As a string

EXAMPLE

1 microfilm cassette
100 slides
2 audiotape reels
1 film reel
1 video cartridge
1 computer disc
1 online resource
3 microfiches
1 volume
3 sheets

1 microfilm cassette
100 slides
2 audiotape reels
1 film reel
1 video cartridge
1 computer disc
1 online resource
3 microfiches

Alternative

Use a term in common usage (including a trade name, if applicable) to indicate the measurement unit:

- a) if the carrier is not in the list at **3.3.1.3**

or

- b) as an alternative to a term listed at **3.3.1.3**, if preferred by the agency preparing the description.

Alternative

Use a term in common usage (including a trade name, if applicable) to indicate the type of unit:

- a) if the carrier is not in the list at **3.3.1.3**

or

- b) as an alternative to a term listed at **3.3.1.3**, if preferred by the agency preparing the description.

EXAMPLE

audio slide
USB flash drive

EXAMPLE

audio slide
USB flash drive

<p>If an applicable trade name or other similar specification is not used as the term for the measurement unit, record that information as instructed at 3.20.1.3.</p>	<p>If an applicable trade name or other similar specification is not used as the term for the type of unit, record that information as instructed at 3.20.1.3.</p>
<p>With the introduction of Extent of the Content, these Exceptions will be moved from 3.4 to chapter 7. Many of the instructions in 3.4.5 (Text) will be re-purposed in the new element proposed for Pagination and Foliation. Simplified instructions for recording the number of pages and leaves of a volume, as a measurement, are integrated with 3.4.</p>	<p>Exceptions</p> <p>Cartographic resources. For a printed, manuscript, graphic, or three-dimensional resource consisting of cartographic content (with or without accompanying text and/or illustrations), see 3.4.2.</p> <p>Notated music. For a printed or manuscript resource consisting of notated music (with or without accompanying text and/or illustrations), see 3.4.3.</p> <p>Still images. For drawings, paintings, prints, photographs, etc., see 3.4.4.</p> <p>Text. For resources consisting of printed or manuscript text (with or without accompanying illustrations), see 3.4.5.</p> <p>Three-dimensional forms. For resources consisting of one or more three-dimensional forms, see 3.4.6.</p>
<p>Exception</p> <p>For a resource consisting of one or more sheets, etc., housed in a single portfolio or case, record <i>portfolio</i> or <i>case</i> as the measurement unit, as appropriate.</p>	
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: portfolio MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: cases MEASUREMENT QUANTITY: 4</p>	
<p>As a string</p>	

<p>1 portfolio 4 cases</p>	
<p>For resources consisting of more than one type of carrier, see 3.1.4.</p>	<p>For resources consisting of more than one type of carrier, see 3.1.4.</p>
<p><i>If:</i> the resource consists of more than one carrier type <i>and</i> information about the different carrier types is considered important for identification or selection <i>then:</i> record the extent of the carrier for each carrier type as instructed at 3.4.1.3.</p>	
<p>EXAMPLE <i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: volume MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: computer disc MEASUREMENT QUANTITY: 1</p> <p>The volume and the computer disc are issued together, as a single resource.</p>	
<p><i>As a string</i></p> <p>1 volume 1 computer disc The volume and the computer disc are issued together, as a single resource.</p>	

<p>For a resource that is part of a larger resource, see 3.4.1.12.</p>	<p>For a resource that is part of a larger resource, see 3.4.1.12.</p>
<p>Specify the number of subunits, if applicable (see 3.4.1.7–3.4.1.9).</p>	<p>Specify the number of subunits, if applicable (see 3.4.1.7–3.4.1.9).</p>
<p>3.4.1.4 Exact Number of Units Not Readily Ascertainable If the exact number of units cannot be readily ascertained, but an approximate number can be readily estimated, record the approximate number and record <i>approximately</i> as the measurement qualifier.</p>	<p>3.4.1.4 Exact Number of Units Not Readily Ascertainable If the exact number of units cannot be readily ascertained, record an approximate number preceded by <i>approximately</i>.</p>
<p>EXAMPLE <i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: slides MEASUREMENT QUANTITY: 600 MEASUREMENT QUALIFIER: approximately</p>	
<p><i>As a string</i></p> <p>approximately 600 slides</p>	<p>EXAMPLE</p> <p>approximately 600 slides</p>
<p>If the number of units cannot be readily approximated, use one or both of the following methods to record the extent:</p>	<p><i>Optional Omission</i> If the number of units cannot be readily approximated, omit the number.</p>
<p>a) a set of measurement sub-elements (see x.y). Record <i>cannot be readily approximated</i> as the measurement quantity.</p>	
<p>EXAMPLE</p> <p>MEASUREMENT TYPE: carrier extent units</p>	

<p>MEASUREMENT UNIT: slides MEASUREMENT QUANTITY: cannot be readily approximated</p>	
<p>Optional Omission b) a string. Omit the number.</p>	<p>Optional Omission If the number of units cannot be readily approximated, omit the number.</p>
<p>EXAMPLE</p> <p>slides</p>	<p>EXAMPLE</p> <p>slides</p>
<p>3.4.1.5 Units Cannot Be Named Concisely If the units cannot be named concisely, record the number of physical units and record the measurement unit as <i>pieces</i>; record the measurement qualifier as <i>various</i>. Record the details of the pieces in a note if considered important for identification or selection (see 3.21.2.3).</p>	<p>3.4.1.5 Units Cannot Be Named Concisely If the units cannot be named concisely, record the number of physical units and describe them as <i>various pieces</i>. Record the details of the pieces in a note if considered important for identification or selection (see 3.21.2.3).</p>
<p>EXAMPLE <i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: pieces MEASUREMENT QUANTITY: 48 MEASUREMENT QUALIFIER: various</p>	
<p><i>As a string</i></p> <p>48 various pieces</p>	<p>EXAMPLE</p> <p>48 various pieces</p>
<p>For instructions on recording the extent of the carrier if the number of units cannot be readily ascertained or approximated, see 3.4.1.4.</p>	<p>Optional Omission If the number of units cannot be readily ascertained or approximated, omit the number.</p>

<h3>3.4.1.x More than One Volume</h3>	
<p>If the number of bibliographic volumes differs from the number of physical volumes, record the number of physical volumes. Make a note indicating the number of bibliographic volumes (see 3.21.2.8).</p>	<p>[This is the corollary to 3.21.2.8]</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: volumes MEASUREMENT QUANTITY: 5</p> <p>8 bibliographic volumes in 5 physical volumes</p>	
<p><i>As a string</i></p> <p>5 volumes 8 bibliographic volumes in 5 physical volumes</p>	
<p>Exceptions</p> <p>Completed serials. For serials, record the extent by giving the number of bibliographic volumes as reflected in the numbering of the serial (see 2.6) instead of the number of physical volumes.</p>	<p>[Moved from 3.4.5.16]</p>
<h3>3.4.1.7 Number of Subunits</h3>	<h3>3.4.1.7 Number of Subunits</h3>
<p>Specify the number of subunits (see 3.4.1.7.1–3.4.1.7.8), if readily ascertainable and considered important for identification or selection. Record the number of subunits using one or both of the following methods:</p>	<p>Specify the number of subunits (see 3.4.1.7.1–3.4.1.7.8), if readily ascertainable and considered important for identification or selection. Record the number of subunits, in parentheses, following the term for the type of unit.</p>
<p>a) a set of measurement sub-elements (see x.y). Record <i>carrier extent subunits</i> as the measurement type.</p>	
<p>EXAMPLE</p> <p>MEASUREMENT TYPE: carrier extent units</p>	

<p>MEASUREMENT UNIT: filmstrip MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: frames MEASUREMENT QUANTITY: 144</p>	
<p>b) a string. Record the number of subunits, in parentheses, following the term for the type of unit.</p>	<p>Record the number of subunits, in parentheses, following the term for the type of unit.</p>
<p>EXAMPLE</p> <p>1 film strip (144 frames)</p>	
<p>In some cases, a resource is in a format that parallels a resource issued as a volume.</p>	
<p>If the resource reproduces another resource (e.g., a microfilm reproduction of a book), record the Extent of the Carrier and/or the Pagination and Foliation of the original resource as Extent of the Carrier and/or the Pagination and Foliation of a related manifestation (see 27.1).</p>	
<p>If the resource is not a reproduction of another resource (e.g., a PDF of 42 pages), record numbering that parallels a resource issued as a volume as Pagination and Foliation (see x).</p>	
<p>3.4.1.7.1 Computer Discs, Cartridges, Etc.</p>	<p>3.4.1.7.1 Computer Discs, Cartridges, Etc.</p>
	<p>In some cases, a resource consists of one or more files in a format that parallels a print, manuscript, or graphic counterpart (e.g., PDF). When this occurs, specify the number of subunits by applying the instructions for extent of the appropriate parallel counterpart:</p> <p>cartographic resources (see 3.4.2) notated music (see 3.4.3) still images (see 3.4.4) <i>and/or</i></p>

	<p>text (see 3.4.5).</p>
	<p>EXAMPLE</p> <p>1 computer disc (184 remote-sensing images)</p> <p>1 computer disc (xv pages, 150 maps)</p>
<p>Specify the number of files (e.g., audio files, video files, data files). Use one or more terms listed at 3.19.2.3 to indicate the file type.</p>	<p>For other types of files (e.g., audio files, video files, data files), specify the number of files. Use one or more terms listed at 3.19.2.3 to indicate the file type.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: computer disc MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: audio files MEASUREMENT QUANTITY: 8</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: computer disc MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: data files MEASUREMENT QUANTITY: 3</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: computer disc MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: audio file MEASUREMENT QUANTITY: 1</p>	

<p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: video files MEASUREMENT QUANTITY: 3</p>	
<p>As a string</p> <p>1 computer disc (8 audio files) 1 computer tape (3 data files) 1 computer disc (1 audio file, 3 video files)</p>	<p>EXAMPLE</p> <p>1 computer disc (8 audio files) 1 computer tape (3 data files) 1 computer disc (1 audio file, 3 video files)</p>
<p>[Statements and records are extent of content. The terms have been added to that section of the proposal.]</p>	<p>Optional Addition For a resource consisting of one or more program files and/or data files, add the number of statements and/or records, as appropriate.</p>
	<p>EXAMPLE</p> <p>1 computer tape (3 data files: 100, 460, 550 records)</p>
<p>If the number of subunits cannot be stated succinctly, record the details in a note if considered important for identification or selection (see 3.21.2.11).</p>	<p>If the number of subunits cannot be stated succinctly, record the details in a note if considered important for identification or selection (see 3.21.2.11).</p>
<p>3.4.1.7.2 Filmstrips and Filmstrips</p>	<p>3.4.1.7.2 Filmstrips and Filmstrips</p>
<p>Specify the number of frames or double frames.</p>	<p>Specify the number of frames or double frames.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: filmstrip MEASUREMENT QUANTITY: 1</p>	

<p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: frames MEASUREMENT QUANTITY: 28</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: filmstrip MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: double frames MEASUREMENT QUANTITY: 10</p>	
<p>As a string</p> <p>1 filmstrip (28 frames)</p> <p>1 filmstrip (10 double frames)</p>	<p>EXAMPLE</p> <p>1 filmstrip (28 frames)</p> <p>1 filmstrip (10 double frames)</p>
<p>3.4.1.7.3 Flipcharts</p>	<p>3.4.1.7.3 Flipcharts</p>
<p>Specify the number of sheets.</p>	<p>Specify the number of sheets.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: flipchart MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: sheets MEASUREMENT QUANTITY: 8</p>	
<p>As a string</p> <p>1 flipchart (8 sheets)</p>	<p>EXAMPLE</p> <p>1 flipchart (8 sheets)</p>
<p>3.4.1.7.4 Microfiches and Microfilm</p>	<p>3.4.1.7.4 Microfiches and Microfilm</p>

	<p>In some cases, a resource is in a format that parallels a print, manuscript, or graphic counterpart. When this occurs, specify the number of subunits by applying the instructions for extent of the appropriate parallel counterpart:</p> <ul style="list-style-type: none"> cartographic resources (see 3.4.2) notated music (see 3.4.3) still images (see 3.4.4) <p>and/or</p> <ul style="list-style-type: none"> text (see 3.4.5).
	<p>EXAMPLE</p> <p>3 microfiches (1 score (118 pages))</p> <p>1 microfilm reel (255 pages)</p>
<p>Specify the number of frames.</p>	<p>For other microfiche and microfilm resources, specify the number of frames.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: microfiche MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: frames MEASUREMENT QUANTITY: 120</p>	
<p><i>As a string</i></p> <p>1 microfiche (120 frames)</p>	<p>EXAMPLE</p> <p>1 microfiche (120 frames)</p>

<p>3.4.1.7.5 Online Resources</p>	<p>3.4.1.7.5 Online Resources</p>
	<p>In some cases, a resource consists of one or more files in a format that parallels a print, manuscript, or graphic counterpart (e.g., PDF). When this occurs, specify the number of subunits by applying the instructions for extent of the appropriate parallel counterpart:</p> <p style="padding-left: 40px;">cartographic resources (see 3.4.2) notated music (see 3.4.3) still images (see 3.4.4) and/or text (see 3.4.5).</p>
	<p>EXAMPLE</p> <p style="padding-left: 40px;">1 online resource (68 pages) 1 online resource (3 scores) 1 online resource (36 photographs)</p>
<p>Specify the number of files (e.g., audio files, video files, data files). Use one or more terms listed at 3.19.2.3 to indicate the file type.</p>	<p>For other types of files (e.g., audio files, video files, data files), specify the number of files. Use one or more terms listed at 3.19.2.3 to indicate the file type.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: online resource MEASUREMENT QUANTITY: 1</p>	

<p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: video files MEASUREMENT QUANTITY: 2</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: online resource MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: program file MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: online resource MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: audio files MEASUREMENT QUANTITY: 2</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: video files MEASUREMENT QUANTITY: 1</p>	
<p>As a string</p> <p>1 online resource (2 video files)</p> <p>1 online resource (1 program file)</p> <p>1 online resource (2 audio files, 1 video file)</p>	<p>EXAMPLE</p> <p>1 online resource (2 video files)</p> <p>1 online resource (1 program file)</p> <p>1 online resource (2 audio files, 1 video file)</p>
<p>[Statements and records are extent of content. The terms have been added to that section of the proposal.]</p>	<p>Optional Addition</p> <p>For a resource consisting of one or more program files and/or data files, add the number of statements and/or records, as appropriate.</p>
	<p>EXAMPLE</p> <p>1 online resource (1 program file: 96 statements)</p>

<p>If the number of subunits cannot be stated succinctly, record the details in a note if considered important for identification or selection (see 3.21.2.11).</p>	<p>If the number of subunits cannot be stated succinctly, record the details in a note if considered important for identification or selection (see 3.21.2.11).</p>
<p>3.4.1.7.6 Overhead Transparencies</p>	<p>3.4.1.7.6 Overhead Transparencies</p>
<p>Specify the number of overlays or attached overlays.</p>	<p>Specify the number of overlays or attached overlays.</p>
<p>EXAMPLE As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: overhead transparency MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: overlays MEASUREMENT QUANTITY: 5</p>	
<p>As a string</p> <p>1 overhead transparency (5 overlays) 1 overhead transparency (5 attached overlays)</p>	<p>EXAMPLE</p> <p>1 overhead transparency (5 overlays) 1 overhead transparency (5 attached overlays)</p>
<p>3.4.1.7.x Portfolios and cases</p>	
<p>Specify the number and type of subunits (e.g., pages, leaves, columns, sheets, volumes).</p>	<p>[From Optional addition, 3.4.5.15 Single Portfolio or Case]</p>
<p>EXAMPLE As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: portfolio MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits</p>	

<p>MEASUREMENT UNIT: sheets MEASUREMENT QUANTITY: 24</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: case MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: pages MEASUREMENT QUANTITY: 30</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: sheets MEASUREMENT QUANTITY: 2</p>	
<p>As a string</p> <p>1 portfolio (24 sheets)</p> <p>1 case (30 pages, 2 sheets)</p>	
<p>3.4.1.7.x Sheets</p>	<p>[From the Exception at 3.4.5.14 Single Sheet]</p>
<p>For early printed resources, if a single sheet is folded into multiple panels and designed to be used folded, include a count of the number of physical panels on one side of the sheet when unfolded. Count both blank panels and panels containing text, illustrations, etc.</p>	<p>If a single sheet is folded into multiple panels and designed to be used folded, include a count of the number of physical panels on one side of the sheet when unfolded. Count both blank panels and panels containing text, illustrations, etc. Record the number of panels in parentheses following the term <i>1 folded sheet</i>.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: sheet MEASUREMENT QUANTITY: 1 MEASUREMENT QUALIFIER: folded</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: panels</p>	

<p>MEASUREMENT QUANTITY: 16</p>	
<p>As a string</p> <p>1 folded sheet (16 panels)</p>	<p>EXAMPLE</p> <p>1 folded sheet (16 panels)</p>
<p>Provide details of the sheet's layout (including the numbering of the panels) in a note if considered important for identification or selection (see 3.21.2.9).</p>	<p>Provide details of the sheet's layout (including the numbering of the panels) in a note if considered important for identification or selection (see 3.21.2.9).</p>
<p>3.4.1.7.7 Stereographs</p>	<p>3.4.1.7.7 Stereographs</p>
<p>Specify the number of pairs of frames.</p>	<p>Specify the number of pairs of frames.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: stereograph disc MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: pairs of frames MEASUREMENT QUANTITY: 7</p>	
<p>As a string</p> <p>1 stereograph disc (7 pairs of frames)</p>	<p>EXAMPLE</p> <p>1 stereograph disc (7 pairs of frames)</p>
<p>3.4.1.7.8 Videodiscs</p>	<p>3.4.1.7.8 Videodiscs</p>
<p>For a videodisc that contains only still images, record the number of frames.</p>	<p>For a videodisc that contains only still images, record the number of frames.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p>	

MEASUREMENT TYPE: carrier extent units
 MEASUREMENT UNIT: videodisc
 MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent subunits
 MEASUREMENT UNIT: frames
 MEASUREMENT QUANTITY: 45,876

As a string

1 videodisc (45,876 frames)

EXAMPLE

1 videodisc (45,876 frames)

3.4.1.7.9 Volumes

Record the number of pages or leaves and the number of pages or leaves of plates.

For instructions on recording Pagination and Foliation, see [\[x\]](#)

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: carrier extent units
 MEASUREMENT UNIT: volume
 MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent subunits
 MEASUREMENT UNIT: pages
 MEASUREMENT QUANTITY: 352

MEASUREMENT TYPE: carrier extent units
 MEASUREMENT UNIT: volume
 MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent subunits
 MEASUREMENT UNIT: pages
 MEASUREMENT QUANTITY: 246

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: pages of plates
MEASUREMENT QUANTITY: 32

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: volumes
MEASUREMENT QUANTITY: 2

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: pages
MEASUREMENT QUANTITY: 856

As a string

1 volume (352 pages)

1 volume (246 pages, 32 pages of plates)

2 volumes (856 pages)

If leaves are folded, record *folded* as the measurement qualifier. If some of the leaves are folded, record *some folded* as the measurement qualifier.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: volume
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: leaves
MEASUREMENT QUANTITY: 122
MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: volume

<p>MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: pages MEASUREMENT QUANTITY: 230</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: leaves of plates MEASUREMENT QUANTITY: 25 MEASUREMENT QUALIFIER: some folded</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: volume MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: leaves of plates MEASUREMENT QUANTITY: 25 MEASUREMENT QUALIFIER: folded</p>	
<p>As a string</p> <p>1 volume (122 folded leaves)</p> <p>1 volume (230 pages, 25 leaves of plates (some folded))</p> <p>1 volume (25 folded leaves of plates)</p>	
<p>3.4.1.8 Exact Number of Subunits Not Readily Ascertainable</p> <p>If the subunits are unnumbered and their number cannot be readily ascertained, record an approximate number and record <i>approximately</i> as the measurement qualifier.</p>	<p>3.4.1.8 Exact Number of Subunits Not Readily Ascertainable</p> <p>If the subunits are unnumbered and their number cannot be readily ascertained, record an approximate number preceded by <i>approximately</i>.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: filmstrip</p>	

<p>MEASUREMENT QUANTITY: 1</p> <p>MEASUREMENT TYPE: carrier extent subunits</p> <p>MEASUREMENT UNIT: frames</p> <p>MEASUREMENT QUANTITY: 100</p> <p>MEASUREMENT QUALIFIER: approximately</p>	
<p>As a string</p> <p>1 filmstrip (approximately 100 frames)</p>	<p>EXAMPLE</p> <p>1 filmstrip (approximately 100 frames)</p>
<p>3.4.1.9 Subunits in Resources Consisting of More Than One Unit</p> <p><i>If:</i></p> <p>the resource consists of more than one unit</p> <p><i>and</i></p> <p>each unit contains the same number of subunits</p> <p><i>then:</i></p> <p>specify the extent of the subunits in each unit as instructed at 3.4.1.7, and qualify the extent using one or both of the following methods:</p>	<p>3.4.1.9 Subunits in Resources Consisting of More Than One Unit</p> <p><i>If:</i></p> <p>the resource consists of more than one unit</p> <p><i>and</i></p> <p>each unit contains the same number of subunits</p> <p><i>then:</i></p> <p>specify the number of subunits in each unit as instructed at 3.4.1.7, followed by <i>each</i>.</p>
<p>a) a set of measurement sub-elements (see x.y). Record <i>each</i> as the measurement qualifier for the extent subunits.</p>	
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: carrier extent units</p> <p>MEASUREMENT UNIT: filmstrips</p> <p>MEASUREMENT QUANTITY: 4</p> <p>MEASUREMENT TYPE: carrier extent subunits</p>	

<p>MEASUREMENT UNIT: double frames MEASUREMENT QUANTITY: 50 MEASUREMENT QUALIFIER: each</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: flipcharts MEASUREMENT QUANTITY: 2</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: sheets MEASUREMENT QUANTITY: 30 MEASUREMENT QUALIFIER: each</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: microfiches MEASUREMENT QUANTITY: 3</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: frames MEASUREMENT QUANTITY: 120 MEASUREMENT QUALIFIER: each</p>	
<p>b) a string. Specify the number of subunits in each unit as instructed at 3.4.1.7, followed by <i>each</i>.</p>	<p>specify the number of subunits in each unit as instructed at 3.4.1.7, followed by <i>each</i>.</p>
<p><i>As a string</i></p> <p>4 filmstrips (50 double frames each)</p> <p>2 flipcharts (30 sheets each)</p> <p>3 microfiches (120 frames each)</p>	<p>EXAMPLE</p> <p>4 filmstrips (50 double frames each)</p> <p>2 flipcharts (30 sheets each)</p> <p>3 microfiches (120 frames each)</p>
<p>If the number of subunits in each unit is approximately the same, specify the approximate number of subunits in each unit using one or both of the following methods:</p>	<p>If the number of subunits in each unit is approximately the same, specify the approximate number of subunits in each unit. Apply the instructions at 3.4.1.8, followed by <i>each</i>.</p>

<p>a) a set of measurement sub-elements (see x.y). Record <i>each approximately</i> as the measurement qualifier.</p>	
<p>EXAMPLE</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: overhead transparencies MEASUREMENT QUANTITY: 3</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: overlays MEASUREMENT QUANTITY: 10 MEASUREMENT QUALIFIER: each approximately</p>	<p>EXAMPLE</p> <p>3 overhead transparencies (approximately 10 overlays each)</p>
<p>b) a string. Apply the instructions at 3.4.1.8, followed by <i>each</i>.</p>	<p>... Apply the instructions at 3.4.1.8, followed by <i>each</i>.</p>
<p>EXAMPLE</p> <p>3 overhead transparencies (approximately 10 overlays each)</p>	<p>EXAMPLE</p> <p>3 overhead transparencies (approximately 10 overlays each)</p>
<p>If the number of subunits in each unit is not the same (or approximately the same), apply one of these instructions, as applicable:</p> <p>a) specify the total number of subunits (see 3.4.1.7)</p> <p>or</p> <p>b) record an approximate total number of subunits (see 3.4.1.8).</p>	<p>If the number of subunits in each unit is not the same (or approximately the same), apply one of these instructions, as applicable:</p> <p>a) specify the total number of subunits (see 3.4.1.7)</p> <p>or</p> <p>b) record an approximate total number of subunits (see 3.4.1.8).</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: overhead transparencies MEASUREMENT QUANTITY: 2</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: overlays</p>	

<p>MEASUREMENT QUANTITY: 20</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: microfiches MEASUREMENT QUANTITY: 2</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: frames MEASUREMENT QUANTITY: 147</p>	
<p>As a string</p> <p>2 overhead transparencies (20 overlays)</p> <p>2 microfiches (147 frames)</p>	<p>EXAMPLE</p> <p>2 overhead transparencies (20 overlays)</p> <p>2 microfiches (147 frames)</p>
<p>3.4.1.10 Incomplete Resource</p> <p><i>If:</i></p> <p>preparing a comprehensive description for a resource that is not yet complete</p> <p><i>or</i></p> <p>preparing a comprehensive description for a resource for which the total number of units issued is unknown</p> <p><i>then:</i></p> <p>record the extent of the carrier using one or both of the following methods:</p>	<p>3.4.1.10 Incomplete Resource</p> <p>When preparing a comprehensive description for a resource that is not yet complete, record the term indicating the type of unit without the number. Apply also for a resource when the total number of units issued is unknown.</p>
<p>a) a set of measurement sub-elements (see x.y). Record <i>not yet complete</i> or <i>unknown</i> as the measurement quantity, as appropriate.</p>	

EXAMPLE

MEASUREMENT TYPE: carrier extent units
 MEASUREMENT UNIT: microscope slides
 MEASUREMENT QUANTITY: -
 MEASUREMENT QUALIFIER: not yet complete

MEASUREMENT TYPE: carrier extent units
 MEASUREMENT UNIT: volumes
 MEASUREMENT QUANTITY: -
 MEASUREMENT QUALIFIER: unknown

MEASUREMENT TYPE: carrier extent units
 MEASUREMENT UNIT: volumes
 MEASUREMENT QUANTITY: -
 MEASUREMENT QUALIFIER: loose-leaf
 MEASUREMENT QUALIFIER: not yet complete

b) a string. Omit the number.

EXAMPLE

microscope slides

volumes

volumes (loose-leaf)

EXAMPLE

microscope slides

volumes

volumes (loose-leaf)

Alternative

Do not record extent of the carrier for a resource that is not yet complete (or if the total number of units issued is unknown).

Alternative

Do not record extent for a resource that is not yet complete (or if the total number of units issued is unknown).

If:

If:

the resource was planned to be in more than one unit, but not all have been issued
and
it appears that the resource will not be continued
then:
describe the incomplete set by recording the number of units issued. Make a note that no more units have been issued (see [3.21.2.4](#)).

the resource was planned to be in more than one unit, but not all have been issued
and
it appears that the resource will not be continued
then:
describe the incomplete set by recording the number of units issued. Make a note that no more units have been issued (see [3.21.2.4](#)).

3.4.1.11 Comprehensive Description of a Collection

When describing a collection as a whole, record the extent of the carrier by using a method appropriate to the nature of the collection and the purpose of the description:

a) number of items, containers, or volumes (see [3.4.1.11.1](#))

or

b) storage space (see [3.4.1.11.2](#))

or

c) number and type of unit (see [3.4.1.11.3](#)).

3.4.1.11 Comprehensive Description of a Collection

When describing a collection as a whole, record the extent by using a method appropriate to the nature of the collection and the purpose of the description:

a) number of items, containers, or volumes (see [3.4.1.11.1](#))

or

b) storage space (see [3.4.1.11.2](#))

or

c) number and type of unit (see [3.4.1.11.3](#)).

3.4.1.11.1 Number of Items

Record the extent by giving the number or approximate number of items, or the number of containers or volumes.

3.4.1.11.1 Number of Items, Containers, or Volumes

Record the extent by giving the number or approximate number of items, or the number of containers or volumes.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: items
MEASUREMENT QUANTITY: 123

MEASUREMENT TYPE: carrier extent units

MEASUREMENT UNIT: items
MEASUREMENT QUANTITY: 400
MEASUREMENT QUALIFIER: approximately

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: boxes
MEASUREMENT QUANTITY: 6

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: volumes
MEASUREMENT QUANTITY: 6

As a string

123 items

approximately 400 items

6 boxes

6 volumes

EXAMPLE

123 items

approximately 400 items

6 volumes

6 boxes

Optional Addition

If the number of containers or volumes is recorded, specify the number or approximate number of items.

Optional Addition

If the number of volumes or containers is recorded, specify the number or approximate number of items.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: folders
MEASUREMENT QUANTITY: 60

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: items
MEASUREMENT QUANTITY: 1564

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: volumes

<p>MEASUREMENT QUANTITY: 3</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: items MEASUREMENT QUANTITY: 183</p>	
<p>As a string</p> <p>60 folders (1564 items)</p> <p>3 volumes (183 items)</p>	<p>EXAMPLE</p> <p>3 volumes (183 items)</p> <p>60 folders (1564 items)</p>
<p>3.4.1.11.2 Storage Space Record the extent by giving the amount of storage space occupied by the collection in metric measurements.</p> <p>Record the extent of the carrier using one or both of the following methods:</p>	<p>3.4.1.11.2 Storage Space Record the extent by giving the amount of storage space occupied by the collection in metric measurements and use the metric symbol <i>cm</i>, <i>m</i>, <i>cm3</i>, or <i>m3</i>, as appropriate.</p>
<p>a) a set of measurement sub-elements (see x.y).</p>	
<p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: meters MEASUREMENT QUANTITY: 10</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: cubic meters MEASUREMENT QUANTITY: 1</p>	
<p>b) as a string. Use the metric symbol <i>cm</i>, <i>m</i>, <i>cm3</i>, or <i>m3</i>, as appropriate.</p>	

<p>EXAMPLE</p> <p>10 m</p> <p>1 m³</p>	<p>EXAMPLE</p> <p>10 m</p> <p>1 m³</p>
<p>Alternative</p> <p>Record the amount of storage space occupied by the collection in the system of measurement preferred by the agency preparing the description. Use symbols or abbreviate terms for units of measurement as instructed in appendix B (B.5.2), as applicable.</p> <p>Record the extent of the carrier using one or both of the following methods:</p>	<p>Alternative</p> <p>Record the amount of storage space occupied by the collection in the system of measurement preferred by the agency preparing the description.</p>
<p>a) a set of measurement sub-elements (see x.y).</p>	
<p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: linear feet MEASUREMENT QUANTITY: 40</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: cubic feet MEASUREMENT QUANTITY: 10</p>	
<p>b) as a string. Use symbols or abbreviate terms for units of measurement as instructed in appendix B (B.5.2), as applicable.</p>	
<p>EXAMPLE</p> <p>40 linear ft.</p> <p>10 cubic ft.</p>	<p>EXAMPLE</p> <p>40 linear ft.</p> <p>10 cubic ft.</p>

Optional Addition

Specify the number or approximate number of containers or volumes and/or items.

Optional Addition

Specify the number or approximate number of containers or volumes and/or items.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: meters
MEASUREMENT QUANTITY: 10

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: items
MEASUREMENT QUANTITY: 2250
MEASUREMENT QUALIFIER: approximately

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: meters
MEASUREMENT QUANTITY: 3.6

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: folders
MEASUREMENT QUANTITY: 2400

MEASUREMENT TYPE: carrier extent units
MEASUREMENT UNIT: meters
MEASUREMENT QUANTITY: 1.5

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: items
MEASUREMENT QUANTITY: 30
MEASUREMENT QUALIFIER: bound

MEASUREMENT TYPE: carrier extent subunits
MEASUREMENT UNIT: items
MEASUREMENT QUANTITY: 37
MEASUREMENT QUALIFIER: unbound

MEASUREMENT TYPE: carrier extent units

<p>MEASUREMENT UNIT: meters MEASUREMENT QUANTITY: 3</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: boxes MEASUREMENT QUANTITY: 12</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: meters MEASUREMENT QUANTITY: 26.7</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: boxes MEASUREMENT QUANTITY: 150</p> <p>MEASUREMENT TYPE: carrier extent subunits MEASUREMENT UNIT: oversize folders MEASUREMENT QUANTITY: 109</p>	
<p><i>As a string</i></p> <p>10 m (approximately 2250 items)</p> <p>3.6 m (2,400 folders)</p> <p>1.5 m (30 items bound, 37 items unbound)</p> <p>3 m (12 boxes)</p> <p>26.7 m (150 boxes, 109 oversize folders)</p>	<p>EXAMPLE</p> <p>10 m (approximately 2250 items)</p> <p>3.6 m (2,400 folders)</p> <p>1.5 m (30 items bound, 37 items unbound)</p> <p>3 m (12 boxes)</p> <p>26.7 m (150 boxes, 109 oversize folders)</p>
<p>3.4.1.11.3 Number and Type of Unit Record the extent of each type of resource in the collection, as instructed at 3.4.1.3.</p>	<p>3.4.1.11.3 Number and Type of Unit Record the extent of each type of resource in the collection by giving the number of units and an appropriate term for each type.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: computer discs</p>	

<p>MEASUREMENT QUANTITY: 30</p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: microfilm reels MEASUREMENT QUANTITY: 24</p>	
<p><i>As a string</i></p> <p>30 computer discs 24 microfilm reels</p>	<p>EXAMPLE</p> <p>68 photographs 16 architectural drawings 400 postcards</p>
<p>3.4.1.12 Analytical Description of a Part</p>	<p>3.4.1.12 Analytical Description of a Part</p> <p>When describing a resource that is part of a larger resource, record the extent of the part by applying one of these instructions:</p> <ul style="list-style-type: none"> a) number of units and/or subunits in the part (see 3.4.1.12.1) <p>or</p> <ul style="list-style-type: none"> b) location of the part within the larger resource (see 3.4.1.12.2)
<p>Record the extent of a resource that is part of a larger resource by giving the number of units and/or number of subunits of the part, as appropriate. Apply the instructions at 3.4.1.3–3.4.1.10.</p>	<p>3.4.1.12.1 Number of Units and/or Subunits in the Part</p> <p>Record the extent of the part by giving the number of units and/or number of subunits, as appropriate. Apply the instructions at 3.4.1.3–3.4.1.10.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: pages MEASUREMENT QUANTITY: 310</p>	

<p>MEASUREMENT TYPE: carrier extent units MEASUREMENT UNIT: frames MEASUREMENT QUANTITY: 68</p>	
<p><i>As a string</i></p> <p>310 pages</p> <p>68 frames</p>	<p>EXAMPLE</p> <p>310 pages</p> <p>68 frames</p>
<p>If the number of units or subunits cannot be stated succinctly, record the details in a note if considered important for identification or selection (see 3.21.2.11).</p>	
<p>If the unit or subunit is numbered as part of a continuous sequence of numbering for the larger resource, record the position of the part within the larger resource (see 24.x).</p>	<p>3.4.1.12.2 Location of the Part within the Larger Resource If the unit or subunit is numbered as part of a continuous sequence of numbering for the larger resource, record the position of the part within the larger resource. Indicate the specific unit or subunit in which the part is located.</p>
	<p>EXAMPLE</p> <p>pages 210–450</p> <p>leaves 51–71</p> <p>on side 1 of 1 audio disc</p> <p>on reel 1 of 2 film reels</p> <p>on cassette 3 of 4 microfilm cassettes</p> <p>on side 2 of 1 videodisc</p>

3. Pagination and Foliation

The task force proposes a new element for Pagination and Foliation; the instructions are closely derived from RDA's current 3.4.5 Extent of Text. Pagination and Foliation is *not* a Measurement; the machine-actionable model is not applied.

Data for Pagination and Foliation serves a vital function for identifying the resource. The proposal suggests that it should be core in RDA. *Displays* of Manifestation descriptions may provide a visual connection between Pagination and Foliation and Extent of the Carrier, but that decision is of course beyond the scope of our work (and of RDA).

If RDA includes an element for Pagination and Foliation, it will also need an element for Details on Pagination and Foliation, which will include some of the instructions currently in 3.21.2. This element is not yet provided in the proposal.

The proposal makes no recommendation on where the guidelines for Pagination and Foliation should be placed. There are arguments for associating them with Chapter 2 (if this element is somewhat akin to 2.6 Numbering of Serials) or Chapter 3 (associated with instructions for Extent of the Carrier).

In the section on Misleading Numbering (x.5), the proposal suggests that the example "48 leaves, that is, 96 pages" is no longer valid, given the revised scope of this element. To treat this condition, we tweak the existing instruction in x.2:

If the volume is numbered as leaves but has text on both sides, see ~~3.4.5.5~~ or record the foliation and make an explanatory note (see [\[Details on pagination and foliation\]](#)).

An alternative approach would be to record the presence of printing on both sides as an attribute of Layout (3.11).

The proposal suggests a change to the second part of of the instruction currently at 3.4.5.6 Incomplete Volume -- here x.6 -- so that the cataloger records "(incomplete)" when pages or leaves are missing from both the first and last part of the volume.

<p>This column shows instructions for Pagination and Foliation.</p>	<p>This column shows equivalent portions of RDA's current 3.4.5.</p>
<p>x Pagination and Foliation CORE ELEMENT</p>	<p>3.4.5 Extent of Text CORE ELEMENT</p>

<p>Pagination and Foliation is a core element only if the resource is complete or if the full pagination and foliation is known.</p>	<p>Extent is a core element for text resources only if the resource is complete or if the total extent is known.</p>
<p>x Scope</p> <p>Pagination and foliation ▼ is an identification of the numbering of pages, leaves, or columns, as presented by the resource.</p> <p>Pagination and foliation includes:</p> <ul style="list-style-type: none"> a) identification of the numerals, letters, any other characters, or a combination of these used in the numbering of a sequence of pages, leaves, or columns <p>and/or</p> <ul style="list-style-type: none"> b) identification of the absence of numbering in a sequence of pages, leaves, or columns 	<p>3.4.5.1 Application</p>
<p>These instructions apply to resources in volumes, sheets, portfolios or cases. These instructions also apply to resources issued in a format that parallels a resource in volumes, sheets, portfolios or cases (e.g., a PDF)</p>	<p>For a printed or manuscript resource consisting of text (with or without illustrations), record the extent by applying the instructions at 3.4.5.2–3.4.5.22. These instructions apply to text resources in volumes, sheets, portfolios or cases. These instructions also apply to volumes consisting primarily of still images.</p>
	<p>Also apply the instructions at 3.4.5.2–3.4.5.22 to subunits in an atlas (see 3.4.2.5) or in a resource consisting of notated music (see 3.4.3.2).</p>
	<p>For resources consisting of text in other media (e.g., microforms), apply the basic instructions at 3.4.1.</p>
<p>For instructions on recording the extent of units and subunits of volumes, sheets, portfolios or cases, as a measurement, see 3.4.</p>	
<p>x Sources of Information</p>	
<p>Use evidence presented by the resource itself as the basis for recording the pagination and foliation.</p>	
<p>x Facsimiles and Reproductions</p>	

When a facsimile or reproduction has pagination and foliation relating to the original manifestation as well as to the facsimile or reproduction, record the pagination and foliation relating to the facsimile or reproduction. Record any pagination and foliation relating to the original as pagination and foliation of a related manifestation (see [27.1](#)).

x Recording Pagination and Foliation

[RESOURCE CONSISTING OF A SINGLE UNIT](#)

x.2 Single Volume with Numbered Pages, Leaves, or Columns

For a resource consisting of a single volume, record the pagination and foliation in terms of pages, leaves, or columns according to the type of sequence used in the resource. A sequence of pages, leaves, or columns is:

a) separately numbered group of pages, etc.

or

b) an unnumbered group of pages, etc., that stands apart from other groups in the resource

or

c) a number of pages or leaves of plates distributed throughout the resource.

Apply the following general guidelines:

- a) If the volume is numbered in terms of pages, record the pagination.
- b) If the volume is numbered in terms of leaves, record the foliation.
- c) If the volume consists of pages with more than one column to a page and is numbered in columns, record the numbering of columns.

[RESOURCE CONSISTING OF A SINGLE UNIT](#)

3.4.5.2 Single Volume with Numbered Pages, Leaves, or Columns

For a resource consisting of a single volume, record the extent in terms of pages, leaves, or columns according to the type of sequence used in the resource. A sequence of pages, leaves, or columns is:

a) separately numbered group of pages, etc.

or

b) an unnumbered group of pages, etc., that stands apart from other groups in the resource

or

c) a number of pages or leaves of plates distributed throughout the resource.

Apply the following general guidelines:

- a) If the volume is numbered in terms of pages, record the number of pages.
- b) If the volume is numbered in terms of leaves, record the number of leaves.
- c) If the volume consists of pages with more than one column to a page and is numbered in columns, record the number of columns.

<p>d) If the volume consists of sequences of leaves and pages, or pages and numbered columns, or leaves and numbered columns, record each sequence.</p>	<p>d) If the volume consists of sequences of leaves and pages, or pages and numbered columns, or leaves and numbered columns, record each sequence.</p>
<p>If the volume is numbered as leaves but has text on both sides, record the foliation and make an explanatory note (see [Details on pagination and foliation]).</p>	<p>If the volume is numbered as leaves but has text on both sides, see 3.4.5.5 or make an explanatory note (see 3.21.2.11).</p>
<p>Exceptions</p>	<p>Exceptions</p>
<p>Early printed resources. For early printed resources, record each sequence of leaves, pages, or columns in the terms and form presented. If the resource is printed in pages but numbered as leaves, record the numbering as leaves.</p>	<p>Early printed resources. For early printed resources, record each sequence of leaves, pages, or columns in the terms and form presented. If the resource is printed in pages but numbered as leaves, record the numbering as leaves.</p>
<p>If required for identification or selection, record more precise information about pagination, blank leaves, or other aspects of collation: either expand the pagination and foliation (if this can be done succinctly) or make a note (see [Details on pagination and foliation]).</p>	<p>If required for identification or selection, record more precise information about pagination, blank leaves, or other aspects of collation: either expand the extent (if this can be done succinctly) or make a note (see 3.21.2.9).</p>
<p>Updating loose-leaves. If the resource is an updating loose-leaf, record <i>loose-leaf</i></p>	<p>Updating loose-leaves. If the resource is an updating loose-leaf, record <i>1 volume</i> followed by <i>loose-leaf</i>, in parentheses.</p>
<p>EXAMPLE</p> <p>loose-leaf</p>	<p>EXAMPLE</p> <p>1 volume (loose-leaf)</p>
	<p>Serials. See also 3.4.5.16.</p>
<p>Record the pagination and foliation in terms of the numbered or lettered sequences in the resource. Record the last numbered page, leaf, or column in each sequence and follow it with the appropriate term.</p>	<p>Record the number of pages, leaves, or columns in terms of the numbered or lettered sequences in the resource. Record the last numbered page, leaf, or column in each sequence and follow it with the appropriate term.</p>
<p>EXAMPLE</p>	<p>EXAMPLE</p>

<p>327 pages 321 leaves 381 columns xvii, 323 pages 27 pages, 300 leaves</p>	<p>327 pages 321 leaves 381 columns xvii, 323 pages 27 pages, 300 leaves</p>
<p>Exception For complicated or irregular pagination and foliation, see x.8.</p>	<p>Exception For complicated or irregular paging, etc., see 3.4.5.8.</p>
<p>Record pages, etc., that are lettered inclusively in the form <i>A–K pages</i>, <i>a–d leaves</i>, etc.</p>	<p>Record pages, etc., that are lettered inclusively in the form <i>A–K pages</i>, <i>a–d leaves</i>, etc.</p>
<p>EXAMPLE A–Z pages Pages lettered: A–Z</p>	<p>EXAMPLE A–Z pages Pages lettered: A–Z</p>
<p>Record pages, etc., that are numbered in words by giving the numeric equivalent.</p>	<p>Record pages, etc., that are numbered in words by giving the numeric equivalent.</p>
<p>EXAMPLE 32 pages Pages numbered in words</p>	<p>EXAMPLE 32 pages Pages numbered in words</p>
<p>Apply the additional instructions at x.3–x.13 as applicable to the resource being described.</p>	<p>Apply the additional instructions at 3.4.5.3–3.4.5.13 as applicable to the resource being described.</p>
<p>x.3 Single Volume with Unnumbered Pages, Leaves, or Columns</p>	<p>3.4.5.3 Single Volume with Unnumbered Pages, Leaves, or Columns</p>
	<p>If the resource consists entirely of unnumbered pages, leaves, or columns, record the number of pages, leaves, or columns using one of the following methods:</p>

	<p>a) Record the exact number of pages, leaves, or columns, if readily ascertainable.</p>
	<p>EXAMPLE</p> <p>93 unnumbered pages</p>
	<p>b) If the number is not readily ascertainable, record an estimated number of pages, leaves, or columns preceded by <i>approximately</i>.</p>
	<p>EXAMPLE</p> <p>approximately 600 pages</p>
<p>If the resource consists entirely of unnumbered pages, leaves, or columns, record <i>unpaged</i>.</p>	<p>c) Record <i>1 volume (unpaged)</i>.</p>
<p>EXAMPLE</p> <p>unpaged</p> <p>[Note: <i>1 volume</i> will be recorded as extent.]</p>	<p>EXAMPLE</p> <p>1 volume (unpaged)</p>
	<p>When recording the number or estimated number of unnumbered pages or leaves, apply the following guidelines:</p> <ul style="list-style-type: none"> a) If the leaves are printed or written on both sides, record the extent in terms of pages. b) If the leaves are printed or written on one side, record the extent in terms of leaves.
<p>x.3.1 Numbered and Unnumbered Sequences</p>	<p>3.4.5.3.1 Numbered and Unnumbered Sequences</p>

If the resource consists of both numbered and unnumbered sequences of pages, leaves, or columns, disregard the unnumbered sequences, unless:

- a) an unnumbered sequence constitutes a substantial part of the resource (see also **x.8**)
- or**
- b) an unnumbered sequence includes pages, etc., that are referred to in a note.

If the resource consists of both numbered and unnumbered sequences of pages, leaves, or columns, disregard the unnumbered sequences, unless:

- a) an unnumbered sequence constitutes a substantial part of the resource (see also **3.4.5.8**)
- or**
- b) an unnumbered sequence includes pages, etc., that are referred to in a note.

Exception

Early printed resources. For early printed resources, record unnumbered sequences of pages, leaves, or columns.

Exception

Early printed resources. For early printed resources, record unnumbered sequences of pages, leaves, or columns.

EXAMPLE

12 unnumbered pages, 72 pages, 10 unnumbered pages, 48 pages, 6 unnumbered pages, 228 pages, 16 unnumbered pages

91 leaves, 1 unnumbered leaf
Last leaf blank

EXAMPLE

12 unnumbered pages, 72 pages, 10 unnumbered pages, 48 pages, 6 unnumbered pages, 228 pages, 16 unnumbered pages

91 leaves, 1 unnumbered leaf
Last leaf blank

When recording the pagination and foliation for a sequence of unnumbered pages or leaves, apply the following guidelines:

- a) If the leaves are printed or written on both sides, record the pagination and foliation in terms of pages.
- b) If the leaves are printed or written on one side, record the pagination and foliation in terms of leaves.

When recording the pagination and foliation for a sequence of unnumbered pages or leaves, apply the following guidelines:

- a) If the leaves are printed or written on both sides, record the pagination and foliation in terms of pages.
- b) If the leaves are printed or written on one side, record the pagination and foliation in terms of leaves.

When recording a sequence of unnumbered pages, etc., record:

either

- a) the exact number (if the number is readily ascertainable) followed by *unnumbered pages*, etc.

or

When recording a sequence of unnumbered pages, etc., record:

either

- a) the exact number (if the number is readily ascertainable) followed by *unnumbered pages*, etc.

or

- b) an estimated number preceded by *approximately*
or
- c) *unnumbered sequence of pages*, etc.

- b) an estimated number preceded by *approximately*
or
- c) *unnumbered sequence of pages*, etc.

EXAMPLE

33 leaves, 31 unnumbered leaves
Unnumbered sequence constitutes substantial part; exact number of leaves ascertainable

8, vii, approximately 300, 73 pages
Unnumbered sequence constitutes substantial part; number of pages estimated

27 pages, unnumbered sequence of leaves
Numbered pages and a sequence of unnumbered leaves

8 unnumbered pages, 155 pages
Bibliography referred to in a note appears on 6th preliminary page

EXAMPLE

33 leaves, 31 unnumbered leaves
Unnumbered sequence constitutes substantial part; exact number of leaves ascertainable

8, vii, approximately 300, 73 pages
Unnumbered sequence constitutes substantial part; number of pages estimated

27 pages, unnumbered sequence of leaves
Numbered pages and a sequence of unnumbered leaves

8 unnumbered pages, 155 pages
Bibliography referred to in a note appears on 6th preliminary page

x.3.2 Inessential Matter

Disregard unnumbered sequences of inessential matter (advertising, blank pages, etc.).

Exception

Early printed resources. For early printed resources, record pages containing advertisements (when this can be done succinctly) if those pages are:

- a) included in the same pagination sequence as the text
or
- b) printed on the pages of an initial or final gathering also containing leaves or pages of text
or
- c) printed on a separate gathering in a resource that is continuously signed.

3.4.5.3.2 Inessential Matter

Disregard unnumbered sequences of inessential matter (advertising, blank pages, etc.).

Exception

Early printed resources. For early printed resources, record pages containing advertisements (when this can be done succinctly) if those pages are:

- a) included in the same pagination sequence as the text
or
- b) printed on the pages of an initial or final gathering also containing leaves or pages of text
or
- c) printed on a separate gathering in a resource that is continuously signed.

<p style="text-align: center;">EXAMPLE</p> <p style="text-align: center;">40 leaves, 8 unnumbered pages</p>	<p style="text-align: center;">EXAMPLE</p> <p style="text-align: center;">40 leaves, 8 unnumbered pages</p>
<p>Otherwise, make a note (see [Details on pagination and foliation]).</p>	<p>Otherwise, make a note (see 3.21.2.9).</p>
<p>x.4 Change in Form of Numbering within a Sequence</p>	<p>3.4.5.4 Change in Form of Numbering within a Sequence</p>
<p>If the form of numbering within a sequence changes (e.g., from roman to arabic numerals), ignore the numbering of the first part of the sequence.</p>	<p>If the form of numbering within a sequence changes (e.g., from roman to arabic numerals), ignore the numbering of the first part of the sequence.</p>
<p>EXAMPLE</p> <p>176 pages Pages numbered: i–xii, 13–176</p>	<p>EXAMPLE</p> <p>176 pages Pages numbered: i–xii, 13–176</p>
<p>Exception Early printed resources. For early printed resources, record the numbering in the form presented.</p>	<p>Exception Early printed resources. For early printed resources, record the numbering in the form presented.</p>
<p>EXAMPLE</p> <p>xii pages, 1 unnumbered page, 14–176 pages First twelve pages of the sequence numbered in lowercase roman numerals, followed by one unnumbered page, followed by remainder of the sequence numbered in arabic numerals</p>	<p>EXAMPLE</p> <p>xii pages, 1 unnumbered page, 14–176 pages First twelve pages of the sequence numbered in lowercase roman numerals, followed by one unnumbered page, followed by remainder of the sequence numbered in arabic numerals</p>
<p>x.5 Misleading Numbering</p>	<p>3.4.5.5 Misleading Numbering</p>
<p>In some cases, the numbering on the last page, leaf, or column of a sequence does not represent the total number in that sequence (e.g., when the number on the last page, leaf, or column of the sequence is misprinted). When this occurs, record the numbering as it appears.</p>	<p>In some cases, the numbering on the last page, leaf, or column of a sequence does not represent the total number in that sequence. When this occurs, do not correct it unless it gives a completely false impression of the extent of the resource (e.g., when only alternate</p>

<p>Make a note on the misleading numbering if considered important for identification (see [Details on Pagination and Foliation]).</p>	<p>pages are numbered or when the number on the last page, leaf, or column of the sequence is misprinted).</p>
	<p>When correcting misleading numbering, record the numbering as it appears on the last page or leaf followed by <i>that is</i> and the correct number.</p>
<p>EXAMPLE</p> <p>329 pages</p> <p>The number on the last page misprints 392 as 329</p>	<p>EXAMPLE</p> <p>48 leaves, that is, 96 pages Numbered leaves with text on both sides</p> <p>329, that is, 392 pages</p>
<p>x.6 Incomplete Volume</p>	<p>3.4.5.6 Incomplete Volume</p>
<p><i>If:</i></p> <p>pages or leaves appear to be missing from one or more parts of the volume</p> <p><i>and</i></p> <p>the pagination and foliation of the complete volume cannot be ascertained</p> <p><i>but</i></p> <p>the last numbered page, leaf, or column of the complete volume is known</p> <p><i>then:</i></p> <p>record the number of the last numbered page, leaf, or column using the appropriate term</p>	
<p>EXAMPLE</p> <p>242 pages Description based on a copy missing pages at the beginning of the volume.</p>	
<p>Record this imperfection as a note on item-specific carrier characteristic (see 3.22.1).</p>	

<p><i>If:</i> the last part of the volume is missing</p> <p><i>and</i> the pagination and foliation of the complete volume cannot be ascertained</p> <p><i>then:</i> record the number of the last numbered page, leaf, or column using the appropriate term and add (<i>incomplete</i>).</p>	<p><i>If:</i> the last part of the volume is missing</p> <p><i>and</i> the extent of the complete volume cannot be ascertained</p> <p><i>then:</i> record the number of the last numbered page, leaf, or column using the appropriate term and add (<i>incomplete</i>).</p>
<p>EXAMPLE</p> <p>xxiv, 179 pages (<i>incomplete</i>)</p>	<p>EXAMPLE</p> <p>xxiv, 179 pages (<i>incomplete</i>)</p>
<p>Record this imperfection as a note on item-specific carrier characteristic (see 3.22.1).</p>	<p>Record this imperfection as a note on item-specific carrier characteristic (see 3.22.1).</p>
<p><i>If:</i> pages or leaves appear to be missing from both the first and last part of the volume</p> <p><i>and</i> the pagination and foliation of the complete volume cannot be ascertained</p> <p><i>then:</i> record the first and last numbers of the pages, leaves, or columns preceded by the appropriate term.</p>	<p><i>If:</i> pages or leaves appear to be missing from both the first and last part of the volume</p> <p><i>and</i> the extent of the complete volume cannot be ascertained</p> <p><i>then:</i> record the first and last numbers of the pages, leaves, or columns preceded by the appropriate term.</p>
<p>EXAMPLE</p> <p>leaves 81–149 (<i>incomplete</i>)</p>	<p>EXAMPLE</p> <p>leaves 81–149</p>
<p>Record this imperfection as a note on item-specific carrier characteristic (see 3.22.1).</p>	<p>Record this imperfection as a note on item-specific carrier characteristic (see 3.22.1).</p>

x.7 Pages, Etc., Numbered as Part of a Larger Sequence

If the pages, etc., are numbered as part of a larger sequence (e.g., as part of the continuous paging for a multivolume resource), record the first and last numbers of the pages, etc., preceded by the appropriate term.

EXAMPLE

pages 713–797

If the resource has pagination of its own as well as pagination forming part of a larger sequence, record the pagination for the individual resource. Make a note on pagination forming part of the larger sequence (see [\[Details on pagination and foliation\]](#)).

EXAMPLE

328 pages
Pages also numbered as part of larger resource: 501–828

x.8 Complicated or Irregular Paging, Etc.

If the resource has complicated or irregular paging, etc., record the [pagination and foliation](#) by using one of the following methods:

3.4.5.7 Pages, Etc., Numbered as Part of a Larger Sequence

If the pages, etc., are numbered as part of a larger sequence (e.g., as part of the continuous paging for a multivolume resource), record the first and last numbers of the pages, etc., preceded by the appropriate term.

EXAMPLE

pages 713–797

If the resource has pagination of its own as well as pagination forming part of a larger sequence, record the pagination for the individual resource. Make a note on pagination forming part of the larger sequence (see [3.21.2.6](#)).

EXAMPLE

328 pages
Pages also numbered as part of larger resource: 501–828

3.4.5.8 Complicated or Irregular Paging, Etc.

If the resource has complicated or irregular paging, etc., record the number of pages, leaves, or columns by using one of the following methods:

- a) Record the total number of pages, leaves, or columns (excluding those that are blank or contain advertising or other inessential matter) followed by *in various pagings*, *in various foliations*, or *in various numberings*, as appropriate.

EXAMPLE

1000 pages in various pagings

	256 leaves in various foliations 1283 columns in various numberings
a) Record the pagination and foliation of the main sequences of the pagination and add the total number of the remaining variously numbered or unnumbered sequences.	b) Record the number of pages, leaves, or columns in the main sequences of the pagination and add the total number of the remaining variously numbered or unnumbered sequences.
EXAMPLE 560, 223 pages, 217 variously numbered pages Resource with 1000 pages in various pagings 366, 98 pages, 99 unnumbered pages	EXAMPLE 560, 223 pages, 217 variously numbered pages Resource with 1000 pages in various pagings 366, 98 pages, 99 unnumbered pages
b) Record <i>various pagings</i> .	c) Record <i>1 volume (various pagings)</i> .
EXAMPLE various pagings Resource with 1000 pages in various pagings	EXAMPLE 1 volume (various pagings) Resource with 1000 pages in various pagings
Exception Early printed resources. For early printed resources, record the pagination and foliation in the form and sequence presented.	Exception Early printed resources. For early printed resources, record the paging, etc., in the form and sequence presented.
EXAMPLE 12 unnumbered leaves, 74 leaves, 32 unnumbered leaves, 62 columns, 9 unnumbered pages	EXAMPLE 12 unnumbered leaves, 74 leaves, 32 unnumbered leaves, 62 columns, 9 unnumbered pages
x.9 Leaves or Pages of Plates	3.4.5.9 Leaves or Pages of Plates
If the leaves or pages of plates in a resource are not included in the numbering for a sequence or sequences of pages or leaves, etc., record the pagination and foliation of the sequence of leaves or pages of	If the leaves or pages of plates in a resource are not included in the numbering for a sequence or sequences of pages or leaves of text, etc., record the extent of the sequence of leaves or pages of plates at the

<p>plates after the pagination and foliation of the leaves or pages. Record the pagination and foliation of the sequence of leaves or pages of plates after the pagination and foliation of the leaves or pages, whether the plates are found together or distributed throughout the resource.</p>	<p>end of the sequence or sequences of pagination, etc. Record the extent of the sequence of leaves or pages of plates after the pagination, etc., whether the plates are found together or distributed throughout the resource.</p>
<p>Apply the following instructions, as applicable:</p> <ul style="list-style-type: none">numbered leaves or pages of plates (see x.9.1)unnumbered leaves or pages of plates (see x.9.2).	<p>Apply the following instructions, as applicable:</p> <ul style="list-style-type: none">numbered leaves or pages of plates (see 3.4.5.9.1)unnumbered leaves or pages of plates (see 3.4.5.9.2).
<p>Exception</p> <p>For complicated or irregular sequences of plates, apply one of the methods at x.8 to record the pagination and foliation of the sequence of plates.</p>	<p>Exception</p> <p>For complicated or irregular sequences of plates, apply one of the methods at 3.4.5.8 to record the extent of the sequence of plates.</p>
<h3>x.9.1 Numbered Leaves or Pages of Plates</h3>	<h3>3.4.5.9.1 Numbered Leaves or Pages of Plates</h3>
<p>Record the pagination and foliation of the sequence or sequences of numbered plates in terms of leaves or pages, according to the type of sequence used in the resource. For each sequence, record the last numbered leaf or page with an appropriate term followed by <i>of plates</i>.</p>	<p>Record the extent of the sequence or sequences of numbered plates in terms of leaves or pages, according to the type of sequence used in the resource. For each sequence, record the last numbered leaf or page with an appropriate term followed by <i>of plates</i>.</p>
<p>EXAMPLE</p> <p>246 pages, 32 pages of plates</p> <p>x, 32, 73 pages, 1 leaf of plates</p> <p>xiv, 145 pages, 10 leaves of plates, xiii pages of plates</p> <p>400 columns, VI pages of plates</p>	<p>EXAMPLE</p> <p>246 pages, 32 pages of plates</p> <p>x, 32, 73 pages, 1 leaf of plates</p> <p>xiv, 145 pages, 10 leaves of plates, xiii pages of plates</p> <p>400 columns, VI pages of plates</p>
<p>Record leaves or pages of plates that are lettered inclusively in the form <i>A–K pages of plates</i>, <i>a–d leaves of plates</i>, etc.</p>	<p>Record leaves or pages of plates that are lettered inclusively in the form <i>A–K pages of plates</i>, <i>a–d leaves of plates</i>, etc.</p>
<p>EXAMPLE</p>	<p>EXAMPLE</p>

<p>A–Q pages, a–f pages of plates Pages lettered</p> <p>xxxvi, 372 pages, A–D leaves of plates Leaves of plates lettered</p>	<p>A–Q pages, a–f pages of plates Pages lettered</p> <p>xxxvi, 372 pages, A–D leaves of plates Leaves of plates lettered</p>
<p>Record leaves or pages of plates that are numbered in words by giving the numeric equivalent, followed by <i>of plates</i>.</p>	<p>Record leaves or pages of plates that are numbered in words by giving the numeric equivalent, followed by <i>of plates</i>.</p>
<p>EXAMPLE</p> <p>40 pages, 5 pages of plates Pages numbered in words</p>	<p>EXAMPLE</p> <p>40 pages, 5 pages of plates Pages numbered in words</p>
<p>If the plates are numbered as leaves but have content on both sides: record the pagination and foliation by applying the instructions at x.5 or make an explanatory note (see [Details on pagination and foliation]).</p>	<p>If the plates are numbered as leaves but have content on both sides: record the extent by applying the instructions at 3.4.5.5 or make an explanatory note (see 3.21.2.11).</p>
<p>x.9.2 Unnumbered Leaves or Pages of Plates</p>	<p>3.4.5.9.2 Unnumbered Leaves or Pages of Plates</p>
<p>Record the pagination and foliation of the sequence of unnumbered leaves or pages of plates using the appropriate terms if:</p> <ul style="list-style-type: none">a) the resource includes at least one numbered sequence of pages or leaves and/or leaves or pages of plates andb) an unnumbered sequence constitutes a substantial part of the resource (see x.8) orc) an unnumbered sequence includes plates that are referred to in a note or	<p>Record the extent of the sequence of unnumbered leaves or pages of plates using the appropriate terms if:</p> <ul style="list-style-type: none">a) an unnumbered sequence constitutes a substantial part of the resource (see 3.4.5.8) orb) an unnumbered sequence includes plates that are referred to in a note orc) this information is considered important for identification or selection.

<p>d) this information is considered important for identification or selection.</p>	
<p>When recording the pagination and foliation of a sequence of unnumbered leaves or pages of plates, record:</p>	<p>When recording the extent of a sequence of unnumbered leaves or pages of plates, record:</p>
<p>a) the exact number (if the number is readily ascertainable) followed by <i>unnumbered leaves of plates</i>, etc.</p>	<p>a) the exact number (if the number is readily ascertainable) followed by <i>unnumbered leaves of plates</i>, etc.</p>
<p>EXAMPLE</p> <p>xvi, 249 pages, 12 unnumbered leaves of plates</p> <p>xii, 24 pages, 212 leaves of plates, 43 unnumbered leaves of plates</p>	<p>EXAMPLE</p> <p>10 unnumbered pages, 16 unnumbered pages of plates</p> <p>xvi, 249 pages, 12 unnumbered leaves of plates</p> <p>xii, 24 pages, 212 leaves of plates, 43 unnumbered leaves of plates</p>
<p>or</p> <p>b) an estimated number preceded by <i>approximately</i>, followed by <i>leaves of plates</i>, etc.</p>	<p>or</p> <p>b) an estimated number preceded by <i>approximately</i>, followed by <i>leaves of plates</i>, etc.</p>
<p>EXAMPLE</p> <p>xvi, 504 pages, approximately 500 pages of plates</p>	<p>EXAMPLE</p> <p>xvi, 504 pages, approximately 500 pages of plates</p> <p>approximately 300 pages, approximately 100 leaves of plates</p>
<p>[Treated in Extent of the Carrier]</p>	<p>3.4.5.10 Folded Leaves</p>
	<p>If leaves are folded, record that they are folded.</p>
	<p>EXAMPLE</p> <p>122 folded leaves</p> <p>230 pages, 25 leaves of plates (some folded)</p>

25 folded leaves of plates

3.4.5.11 Double Leaves

If numbered pages, leaves, or columns are presented on a double leaf (e.g., books in the traditional East Asian style), record them as pages, leaves, or columns according to their numbering. If they are unnumbered, count each double leaf as two pages.

Make a note to explain the format (see [3.21.2.11](#)).

x.12 Duplicated Paging, Etc.

If the paging is duplicated (e.g., in some books with parallel texts), record both pagings and make an explanatory note (see [\[Details on pagination and foliation\]](#)).

EXAMPLE

xii, 35, 35 pages

xi, EN185, FR189 pages

Bilingual dictionary with English to French terms followed by French to English terms separately paged. EN and FR appear on the resource

x.13 Pages Numbered in Opposite Directions

If the resource has groups of pages numbered in opposite directions (e.g., in some books with texts in two languages), record all the pagings. Record the pagings of the various groups in order, starting from the title page selected for the description.

EXAMPLE

iv, 127, 135, vii pages

Text in English and French on inverted pages; English title page selected

ix, 155, 126, x pages

3.4.5.11 Double Leaves

If numbered pages, leaves, or columns are presented on a double leaf (e.g., books in the traditional East Asian style), record them as pages, leaves, or columns according to their numbering. If they are unnumbered, count each double leaf as two pages.

Make a note to explain the format (see [3.21.2.11](#)).

3.4.5.12 Duplicated Paging, Etc.

If the paging is duplicated (e.g., in some books with parallel texts), record both pagings and make an explanatory note (see [3.21.2.7](#)).

EXAMPLE

xii, 35, 35 pages

xi, EN185, FR189 pages

Bilingual dictionary with English to French terms followed by French to English terms separately paged. EN and FR appear on the resource

3.4.5.13 Pages Numbered in Opposite Directions

If the resource has groups of pages numbered in opposite directions (e.g., in some books with texts in two languages), record all the pagings. Record the pagings of the various groups in order, starting from the title page selected for the description.

EXAMPLE

iv, 127, 135, vii pages

Text in English and French on inverted pages; English title page selected

ix, 155, 126, x pages

Text in English and Hebrew; English title page selected	Text in English and Hebrew; English title page selected
<p>x.14 Single Sheet</p>	<p>3.4.5.14 Single Sheet</p>
<p>[A conventional extent of the carrier. Example 3 sheets added in 3.4.1.3]</p>	<p>Record the extent of a resource consisting of a single sheet as <i>1 sheet</i>.</p>
	<p>EXAMPLE</p> <p>1 sheet</p>
<p>If a single sheet is designed to be read in pages when folded, record the pagination and foliation of pages laid out on the sheet.</p>	<p>If the sheet is designed to be read in pages when folded, record the extent as <i>1 folded sheet</i> followed by the number of pages laid out on the sheet, in parentheses.</p>
<p>EXAMPLE</p> <p>8 pages</p> <p>14 pages, 2 unnumbered pages</p>	<p>EXAMPLE</p> <p>1 folded sheet (8 pages)</p>
<p>Exception Early printed resources. If an early printed resource consists of a single sheet designed to be used unfolded (whether issued folded or unfolded), record pagination and foliation based on the number of pages printed. Do not count blank pages</p>	<p>Exception Early printed resources. If an early printed resource consists of a single sheet designed to be used unfolded (whether issued folded or unfolded), include a count of the number of pages printed. Do not count blank pages. Record the number of pages in parentheses following the term <i>1 sheet</i>.</p>
<p>2 pages Sheet printed on both sides, and numbered</p>	
<p>[Extent of the carrier: added as 3.4.1.7.x Sheets.]</p>	<p>If a single sheet is folded into multiple panels and designed to be used folded, include a count of the number of physical panels on one side of the sheet when unfolded. Count both blank panels</p>

	and panels containing text, illustrations, etc. Record the number of panels in parentheses following the term <i>1 folded sheet</i> .
	EXAMPLE
	1 folded sheet (16 panels)
	Provide details of the sheet's layout (including the numbering of the panels) in a note if considered important for identification or selection (see 3.21.2.9).
	3.4.5.15 Single Portfolio or Case
[Extent of the carrier: added as an exception in 3.4.1.3]	For a resource consisting of one or more sheets, etc., housed in a single portfolio or case, record the extent as <i>1 portfolio</i> or <i>1 case</i> , as appropriate.
	EXAMPLE
	1 portfolio
[Extent of the carrier (subunits): added to 3.4.1.7 Portfolios and cases.]	Optional Addition Specify the number and type of subunits (e.g., pages, leaves, columns, sheets, volumes) in parentheses following the term <i>1 portfolio</i> or <i>1 case</i> , as appropriate.
	EXAMPLE
	1 portfolio (24 sheets) 1 case (30 pages, 2 sheets)
	For cases consisting of two or more volumes, see 3.4.5.16
RESOURCE CONSISTING OF MORE THAN ONE UNIT	RESOURCE CONSISTING OF MORE THAN ONE UNIT
	3.4.5.16 More Than One Volume

	<p>If the resource consists of more than one volume, record the extent by giving the number of volumes and the term <i>volumes</i>.</p>
	<p>EXAMPLE</p> <p>3 volumes</p>
	<p>Exceptions</p>
<p>[Created new section 3.4.1.x More than One Volume. Added this instruction as an exception there.]</p>	<p>Completed serials. For serials, record the extent by giving the number of bibliographic volumes as reflected in the numbering of the serial (see 2.6) instead of the number of physical volumes.</p>
<p>[Doesn't concern pagination and foliation.]</p>	<p>Incomplete resources. If the resource is not yet complete (or if the total number of volumes to be issued is unknown), apply the instructions at 3.4.1.10.</p>
<p>x.17 Continuously Paged Volumes</p>	<p>3.4.5.17 Continuously Paged Volumes</p>
<p>If the volumes are continuously paged, record the pagination and foliation (see x.2–x13). Ignore separately paged sequences of preliminary matter in volumes other than the first.</p>	<p>If the volumes are continuously paged, specify the number of pages, leaves, or columns (see 3.4.5.2–3.4.5.13) in parentheses, following the term for the type of unit. Ignore separately paged sequences of preliminary matter in volumes other than the first.</p>
<p>EXAMPLE</p> <p>xxxxi, 999 pages</p> <p>xx, 800 pages Pages numbered: i–xx, 1–201; i–xx, 202–513; i–xxi, 514–800</p> <p>[Note: the number of volumes will be recorded as extent.]</p>	<p>EXAMPLE</p> <p>2 volumes (xxxxi, 999 pages)</p> <p>3 volumes (xx, 800 pages) Pages numbered: i–xx, 1–201; i–xx, 202–513; i–xxi, 514–800</p>
<p>Optional Omission</p>	<p>Optional Omission</p>

<p>For multipart monographs and serials, omit the pagination and foliation.</p>	<p>For multipart monographs and serials, omit the number of pages, etc. See also 3.4.1.10.</p>
<h3>x.18 Individually Paged Volumes</h3>	<h3>3.4.5.18 Individually Paged Volumes</h3>
<p>If the volumes are individually paged, omit the pagination and foliation.</p>	<p>If the volumes are individually paged, record the number of volumes and omit the pagination.</p>
<p>Optional Addition Record the pagination and foliation (see x.2–x.13) of each volume. Record this information following an indication of the volume to which the pagination and foliation applies.</p>	<p>Optional Addition Specify the number of pages, leaves, or columns in each volume (see 3.4.5.2–3.4.5.13). Record this information in parentheses, following the term for the type of unit.</p>
<p>EXAMPLE</p> <p>volume 1: xvi, 329 pages volume 2: xx, 412 pages</p>	<p>EXAMPLE</p> <p>2 volumes (xvi, 329; xx, 412 pages)</p>
<h3>x.19 Updating Loose-Leafs</h3>	<h3>3.4.5.19 Updating Loose-Leafs</h3>
<p>If the resource is an updating loose-leaf, record <i>loose-leaf</i>.</p>	<p>If the resource is an updating loose-leaf, record the number of volumes followed by <i>loose-leaf</i>, in parentheses. For incomplete resources, see also 3.4.1.10.</p>
<p>EXAMPLE</p> <p>loose-leaf</p> <p>[Note: the number of volumes will be recorded as extent.]</p>	<p>EXAMPLE</p> <p>3 volumes (loose-leaf)</p>
<p>[Extent of the carrier: added as an example in 3.4.1.3.]</p>	<h3>3.4.5.20 More Than One Sheet</h3>
<p>If the resource consists of more than one sheet, record the extent by giving the number of sheets and the term <i>sheets</i>.</p>	<p>EXAMPLE</p>

	3 sheets
	For sheets contained in a portfolio or case, see 3.4.5.15 or 3.4.5.21 .
[Extent of the carrier: added as an exception in 3.4.1.3.]	3.4.5.21 More Than One Portfolio or Case
	If the resource consists of more than one portfolio or case, record the extent by giving the number of units and <i>portfolios</i> or <i>cases</i> , as appropriate.
	EXAMPLE
	4 cases
[Extent of the carrier (subunits): added to 3.4.1.7 Portfolios and cases.]	Optional Addition Specify the number and type of subunits (e.g., pages, leaves, columns, sheets, volumes) in each portfolio or case. Record this information in parentheses, following the term for the type of unit.
	EXAMPLE
	2 cases (iv pages, 16 leaves; iii pages, 20 leaves)
[n/a]	3.4.5.22 Units and Sets of Units with Identical Content
	For a resource consisting of units or sets of units with identical content, apply the basic instructions at 3.4.1.6 .

4. Dimensions

The revision of Dimensions presents few challenges in application of the machine-actionable model.

The proposal includes, in 3.5.1.3, a table of the most frequently employed syntactic patterns for recording dimensions *as a string*. Consolidation of such instructions at the beginning spares the instructions that follow from a considerable amount of clunkiness.

For dimensions of the face of the cartridge (etc.), RDA's current guidelines specify to record length × height. The proposal indicates that such dimensions should be recorded as height × width, to conform to RDA standard practice for other carrier types.

For still images and cartographic resources, the proposal currently distinguishes dimensions of the pictorial area (etc.) from dimensions of the sheet by way of values in the Part Measured sub-element. It's unclear whether dimensions of the pictorial area would be more appropriate as an attribute of content.

This column shows the proposed revision to 3.5.	This column shows equivalent portions of RDA's current 3.5.
<h3>3.5.1 Basic Instructions on Recording Dimensions</h3>	<h3>3.5.1 Basic Instructions on Recording Dimensions</h3>
<p>3.5.1.1 Scope [no changes]</p> <p>Dimensions ▼ are the measurements of the carrier or carriers and/or the container of a resource.</p> <p>Dimensions include measurements of height, width, depth, length, gauge, and diameter.</p> <p>For maps, etc., and still images, the dimensions can be:</p> <ul style="list-style-type: none"> a) the dimensions of the face of the map, etc., (see 3.5.2) or of the pictorial area (see 3.5.3) <p>and/or</p>	<p>3.5.1.1 Scope</p> <p>Dimensions ▼ are the measurements of the carrier or carriers and/or the container of a resource.</p> <p>Dimensions include measurements of height, width, depth, length, gauge, and diameter.</p> <p>For maps, etc., and still images, the dimensions can be:</p> <ul style="list-style-type: none"> a) the dimensions of the face of the map, etc., (see 3.5.2) or of the pictorial area (see 3.5.3) <p>and/or</p>

<p>b) the dimensions of the carrier.</p>	<p>b) the dimensions of the carrier.</p>
<p>For instructions on recording sub-elements of Dimensions, see x.y.</p>	<p>-</p>
<p>3.5.1.2 Sources of Information [no changes] Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording the dimensions of the resource. Take additional evidence from any source.</p>	<p>3.5.1.2 Sources of Information Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording the dimensions of the resource. Take additional evidence from any source.</p>
<p>3.5.1.3 Recording Dimensions Record dimensions by applying the general guidelines for measurements at x.y.</p>	<p>3.5.1.3 Recording Dimensions Unless instructed otherwise, record dimensions in centimetres to the next whole centimetre up and use the metric symbol <i>cm</i> (e.g., if the height measures 17.2 centimetres, record <i>18 cm</i>).</p>
<p>Record the measurement type as instructed at 3.5.1.4.1 – 3.5.1.4.14.</p>	
<p>Unless instructed otherwise, record the measurement unit in centimetres and round the value to the next whole centimetre up (e.g., if the height measures 17.2 centimetres, record <i>18</i> as the measurement quantity).</p>	
<p>Alternative [no changes] Record dimensions in the system of measurement preferred by the agency preparing the description. Use symbols or abbreviate terms for units of measurement as instructed in appendix B (B.5.1), as applicable.</p>	<p>Alternative Record dimensions in the system of measurement preferred by the agency preparing the description. Use symbols or abbreviate terms for units of measurement as instructed in appendix B (B.5.1), as applicable.</p>
<p>Record dimensions using one or both of the following methods:</p>	
<p>a) as a set of measurement sub-elements (see x.y).</p>	

b) as a string. Unless instructed otherwise, omit the measurement type. Use the metric symbol *cm* for centimetres and the metric symbol *mm* for millimetres.

When more than one dimension is recorded, apply the following syntactic patterns:

pattern	example
height × width	28 × 10 cm Dimensions of a flash card
height × width × depth	16 × 32 × 3 cm Dimensions of a model
primary dimensions, additional dimensions	18 cm, 13 mm tape Diameter of an audiotape reel and width of tape 20 × 31 cm, on sheet 42 × 50 cm Dimensions of the pictorial area of a still image and dimensions of the sheet containing the image
height × width unfolded, height × width folded	80 × 57 cm, folded to 21 × 10 cm Dimensions of a map, unfolded and folded
height × width unrolled, height × diameter rolled	27 × 471 cm, rolled to 27 × 7 cm in diameter Dimensions of a manuscript scroll
dimensions of first carrier <i>and</i> dimensions of second carrier	8 × 13 cm and 10 × 15 cm Dimensions of the smaller and larger cards in a resource consisting of cards of two sizes
dimensions of smallest carrier–dimensions of largest carrier <i>or</i>	24–28 cm Dimensions of the smallest and largest volumes in a resource consisting of 6 volumes of differing height
dimensions of largest carrier <i>or smaller</i>	<i>or</i> 26 × 21 cm or smaller

Dimensions reflecting the dimensions of the largest photographs in a collection containing photographs of more than two sizes

3.5.1.4 Dimensions of Carrier [no changes]

Record the dimensions of a carrier as instructed at **3.5.1.4.1** – **3.5.1.4.14**, as applicable. Unless instructed otherwise, record measurements as instructed at **3.5.1.3**.

3.5.1.4 Dimensions of Carrier

Record the dimensions of a carrier as instructed at **3.5.1.4.1** – **3.5.1.4.14**, as applicable. Unless instructed otherwise, record measurements as instructed at **3.5.1.3**.

3.5.1.4.1 Cards

Record the height and width of the card.

3.5.1.4.1 Cards

Record the height × width of the card.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 28

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 10

Dimensions of a flash card

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 9

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 19

Dimensions of an aperture card

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm

<p>MEASUREMENT QUANTITY: 8</p> <p>MEASUREMENT TYPE: width</p> <p>MEASUREMENT UNIT: cm</p> <p>MEASUREMENT QUANTITY: 13</p> <p>Dimensions of a microopaque</p> <p>MEASUREMENT TYPE: height</p> <p>MEASUREMENT UNIT: cm</p> <p>MEASUREMENT QUANTITY: 9</p> <p>MEASUREMENT TYPE: width</p> <p>MEASUREMENT UNIT: cm</p> <p>MEASUREMENT QUANTITY: 6</p> <p>Dimensions of a computer card</p>	
<p>As a string</p> <p>28 × 10 cm Dimensions of a flash card</p> <p>9 × 19 cm Dimensions of an aperture card</p> <p>8 × 13 cm Dimensions of a microopaque</p> <p>9 × 6 cm Dimensions of a computer card</p>	<p>EXAMPLE</p> <p>28 × 10 cm Dimensions of a flash card</p> <p>9 × 19 cm Dimensions of an aperture card</p> <p>8 × 13 cm Dimensions of a microopaque</p> <p>9 × 6 cm Dimensions of a computer card</p>
<p>3.5.1.4.2 Cartridges</p> <p>Audio cartridges. For audio cartridges, record the height and width of the face of the cartridge in centimetres and the width of the tape in millimetres.</p>	<p>3.5.1.4.2 Cartridges</p> <p>Audio cartridges. For audio cartridges, record the length × height of the face of the cartridge in centimetres followed by the width of the tape in millimetres. Record the width of the tape and use the metric symbol <i>mm</i>. Use a comma to separate the width of the tape from the dimensions of the cartridge.</p>

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 10

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 14

MEASUREMENT TYPE: width
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 7
PART MEASURED: tape

As a string

10 × 14 cm, 7 mm tape

EXAMPLE

14 × 10 cm, 7 mm tape

Computer cartridges. For computer cartridges, record the width of the side of the cartridge that is to be inserted into the machine.

Computer cartridges. For computer cartridges, record the length of the side of the cartridge that is to be inserted into the machine.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 10

Dimensions of a computer chip cartridge

As a string

10 cm
Dimensions of a computer chip cartridge

EXAMPLE

10 cm
Dimensions of a computer chip cartridge

Film, filmstrip, and video cartridges. For film, filmstrip, and video cartridges, record the gauge (i.e., width) of the film or tape in millimetres. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film or tape if considered important for identification or selection (see [3.21.3.3](#)).

Film, filmstrip, and video cartridges. For film, filmstrip, and video cartridges, record the gauge (i.e., width) of the film or tape in millimetres and use the metric symbol *mm*. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film or tape if considered important for identification or selection (see [3.21.3.3](#)).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: gauge
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 8
MEASUREMENT QUALIFIER: standard

gauge of film in a film cartridge

MEASUREMENT TYPE: gauge
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 35

gauge of film in a filmstrip cartridge

MEASUREMENT TYPE: gauge
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 13

gauge of film in a video cartridge

As a string

standard 8 mm

Gauge of film in a film cartridge

35 mm

EXAMPLE

standard 8 mm

Gauge of film in a film cartridge

35 mm

<p>Gauge of film in a filmstrip cartridge</p> <p>13 mm</p> <p>Gauge of tape in a video cartridge</p>	<p>Gauge of film in a filmstrip cartridge</p> <p>13 mm</p> <p>Gauge of tape in a video cartridge</p>
<p>Microfilm cartridges. For microfilm cartridges, record the width of the film in millimetres.</p>	<p>Microfilm cartridges. For microfilm cartridges, record the width of the film in millimetres and use the metric symbol <i>mm</i>.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: width MEASUREMENT UNIT: mm MEASUREMENT QUANTITY: 35</p> <p>Width of film in a microfilm cartridge</p>	
<p><i>As a string</i></p> <p>35 mm</p> <p>Width of film in a microfilm cartridge</p>	<p>EXAMPLE</p> <p>35 mm</p> <p>Width of film in a microfilm cartridge</p>
<p>3.5.1.4.3 Cassettes</p>	<p>3.5.1.4.3 Cassettes</p>
<p>Audiocassettes. For audiocassettes, record the height and width of the face of the cassette in centimetres, and the width of the tape in millimetres.</p>	<p>Audiocassettes. For audiocassettes, record the length × height of the face of the cassette in centimetres followed by the width of the tape in millimetres. Record the width of the tape and use the metric symbol <i>mm</i>. Use a comma to separate the width of the tape from the dimensions of the cassette.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: height MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 7</p>	

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 10

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: mm
 MEASUREMENT QUANTITY: 4
 PART MEASURED: tape

As a string

7 × 10 cm, 4 mm tape

EXAMPLE

10 × 7 cm, 4 mm tape

Computer cassettes. For computer cassettes, record the height and width of the face of the cassette.

Computer cassettes. For computer cassettes, record the length × height of the face of the cassette.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 7

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 10

As a string

7 × 10 cm

EXAMPLE

10 × 7 cm

Film and videocassettes. For film and videocassettes, record the gauge (i.e., width) of the film or tape in millimetres. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film or tape if considered important for identification or selection (see [3.21.3.3](#)).

Film and videocassettes. For film and videocassettes, record the gauge (i.e., width) of the film or tape in millimetres and use the metric symbol *mm*. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film or tape if considered important for identification or selection (see [3.21.3.3](#)).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: gauge
 MEASUREMENT UNIT: mm
 MEASUREMENT QUANTITY: 16

Gauge of film in a film cassette

MEASUREMENT TYPE: gauge
 MEASUREMENT UNIT: mm
 MEASUREMENT QUANTITY: 8
 MEASUREMENT QUALIFIER: standard

Gauge of tape in a videocassette

MEASUREMENT TYPE: gauge
 MEASUREMENT UNIT: mm
 MEASUREMENT QUANTITY: 13

Gauge of tape in a VHS videocassette

As a string

16 mm

Gauge of film in a film cassette

standard 8 mm

Gauge of tape in a videocassette

13 mm

Gauge of tape in a VHS videocassette

EXAMPLE

16 mm

Gauge of film in a film cassette

standard 8 mm

Gauge of tape in a videocassette

13 mm

Gauge of tape in a VHS videocassette

Microfiche cassettes. For microfiche cassettes, record the height and width of the face of the cassette.

Microfiche cassettes. For microfiche cassettes, record the length × height of the face of the cassette.

Microfilm cassettes. For microfilm cassettes, record the width of the film in millimetres.

Microfilm cassettes. For microfilm cassettes, record the width of the film in millimetres and use the metric symbol *mm*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: width
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 16

Width of film in a microfilm cassette

As a string

16 mm

Width of film in a microfilm cassette

EXAMPLE

16 mm

Width of film in a microfilm cassette

3.5.1.4.4 Discs

Record the diameter of the disc.

3.5.1.4.4 Discs

Record the diameter of the disc.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30

Diameter of an analog audio disc

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 12

Diameter of an digital audio disc

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 21

Diameter of a videodisc

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm

<p>MEASUREMENT QUANTITY: 12 Diameter of a computer disc</p>	
<p>As a string</p> <p>30 cm Diameter of an analog audio disc</p> <p>12 cm Diameter of a digital audio disc</p> <p>21 cm Diameter of a videodisc</p> <p>12 cm Diameter of a computer disc</p>	<p>EXAMPLE</p> <p>30 cm Diameter of an analog audio disc</p> <p>12 cm Diameter of a digital audio disc</p> <p>21 cm Diameter of a videodisc</p> <p>12 cm Diameter of a computer disc</p>
<p>3.5.1.4.5 Filmstrips and Filmstrips Record the gauge (i.e., width) of the film in millimetres.</p>	<p>3.5.1.4.5 Filmstrips and Filmstrips Record the gauge (i.e., width) of the film in millimetres and use the metric symbol <i>mm</i>.</p>
<p>EXAMPLE As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: gauge MEASUREMENT UNIT: mm MEASUREMENT QUANTITY: 35</p>	
<p>As a string</p> <p>35 mm</p>	<p>EXAMPLE</p> <p>35 mm</p>
<p>3.5.1.4.6 Flipcharts Record the height and width of the flipchart.</p>	<p>3.5.1.4.6 Flipcharts Record the height × width of the flipchart.</p>
<p>EXAMPLE As a set of measurement sub-elements</p>	

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 23

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 18

As a string

23 × 18 cm

EXAMPLE

23 × 18 cm

3.5.1.4.7 Microfiches

Record the height and width of the fiche.

3.5.1.4.7 Microfiches

Record the height × width of the fiche.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 11

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 15

As a string

11 × 15 cm

EXAMPLE

11 × 15 cm

3.5.1.4.8 Overhead Transparencies

Record the height and width of the transparency, excluding any frame or mount. If applicable, make a note on the size as framed or mounted (see **3.21.3.3**).

3.5.1.4.8 Overhead Transparencies

Record the height × width of the transparency, excluding any frame or mount. If applicable, make a note on the size as framed or mounted (see **3.21.3.3**).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 26

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 22

As a string

26 × 22 cm

EXAMPLE

26 × 22 cm

3.5.1.4.9 Reels

Audiotape reels. For audiotape reels, record the diameter of the reel in centimetres and the width of the tape in millimetres.

3.5.1.4.9 Reels

Audiotape reels. For audiotape reels, record the diameter of the reel in centimetres followed by the width of the tape in millimetres. Record the width of the tape and use the metric symbol *mm*. Use a comma to separate the width of the tape from the diameter of the reel.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 18

MEASUREMENT TYPE: width
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 13
PART MEASURED: tape

As a string

18 cm, 13 mm tape

EXAMPLE

18 cm, 13 mm tape

Computer tape reels. For computer tape reels, record the diameter of the reel in centimetres and the width of the tape in millimetres.

Computer tape reels. For computer tape reels, record the diameter of the reel in centimetres followed by the width of the tape in millimetres. Record the width of the tape and use the metric symbol *mm*. Use a comma to separate the width of the tape from the diameter of the reel.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 31

MEASUREMENT TYPE: width
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 13
PART MEASURED: tape

As a string

31 cm, 13 mm tape

EXAMPLE

31 cm, 13 mm tape

Film and videotape reels. For film and videotape reels, record the diameter of the reel in centimetres and the gauge (i.e., width) of the film or tape in millimetres. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film or tape if considered important for identification or selection (see [3.21.3.3](#)).

Film and videotape reels. For film and videotape reels, record the diameter of the reel in centimetres followed by the gauge (i.e., width) of the film or tape in millimetres and use the metric symbol *mm*. Use a comma to separate the gauge of the film or tape from the diameter of the reel. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film or tape if considered important for identification or selection (see [3.21.3.3](#)).

EXAMPLE

As a set of measurement sub-elements

<p>MEASUREMENT TYPE: diameter MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 18</p> <p>MEASUREMENT TYPE: gauge MEASUREMENT UNIT: mm MEASUREMENT QUANTITY: 25.4 PART MEASURED: tape</p> <p>Videotape reel</p>	
<p>As a string</p> <p>18 cm, 25.4 mm Videotape reel</p>	<p>EXAMPLE</p> <p>18 cm, 25.4 mm Videotape reel</p>
<p>Microfilm reels. For microfilm reels, record the diameter of the reel in centimetres and the width of the film in millimetres.</p>	<p>Microfilm reels. For microfilm reels, record the diameter of the reel in centimetres followed by the width of the film in millimetres. Use the metric symbols <i>cm</i> and <i>mm</i>, respectively. Use a comma to separate the width of the film from the diameter of the reel.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: diameter MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 11</p> <p>MEASUREMENT TYPE: width MEASUREMENT UNIT: mm MEASUREMENT QUANTITY: 25.4 PART MEASURED: film</p>	
<p>As a string</p> <p>11 cm, 25.4 mm</p>	<p>EXAMPLE</p> <p>11 cm, 25.4 mm</p>

3.5.1.4.10 Rolls

Film and microfilm rolls. For film and microfilm rolls, record the gauge (i.e., width) of the film in millimetres. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film if considered important for identification or selection (see [3.21.3.3](#))

3.5.1.4.10 Rolls

Film and microfilm rolls. For film and microfilm rolls, record the gauge (i.e., width) of the film in millimetres and use the metric symbol *mm*. For 8 mm film, indicate whether the gauge is single, standard, super, or Maurer. Make a note on the length of the film if considered important for identification or selection (see [3.21.3.3](#)).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: gauge
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 35

gauge of film in a filmstrip roll

MEASUREMENT TYPE: gauge
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 8
MEASUREMENT QUALIFIER: super

gauge of film in a filmstrip roll

MEASUREMENT TYPE: gauge
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 105

gauge of film in a microfilm roll

As a string

35 mm

Gauge of film in a filmstrip roll

super 8 mm

Gauge of film in a filmstrip roll

EXAMPLE

35 mm

Gauge of film in a filmstrip roll

super 8 mm

Gauge of film in a filmstrip roll

<p>105 mm Width of film in a microfilm roll</p>	<p>105 mm Width of film in a microfilm roll</p>
<p>3.5.1.4.11 Sheets Record the height and width of the sheet, excluding any frame or mount. If applicable, make a note on the size as framed or mounted (see 3.21.3.3).</p>	<p>3.5.1.4.11 Sheets Record the height × width of the sheet, excluding any frame or mount. If applicable, make a note on the size as framed or mounted (see 3.21.3.3).</p>
<p>EXAMPLE <i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: height MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 28</p> <p>MEASUREMENT TYPE: width MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 22</p> <p>Dimensions of a sheet of text</p>	
<p><i>As a string</i></p> <p>28 × 22 cm Dimensions of a sheet of text</p>	<p>EXAMPLE</p> <p>28 × 22 cm Dimensions of a sheet of text</p>
<p>If the sheet is designed to be read in pages when folded, record only the height of the sheet when folded.</p> <p>For other folded sheets, record the height and width of the sheet when unfolded and when folded.</p>	<p>If the sheet is designed to be read in pages when folded, record only the height of the sheet when folded.</p> <p>For other folded sheets, record the height × width when extended followed by the height × width when folded.</p>
<p>EXAMPLE <i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: height</p>	

MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 48
 MEASUREMENT QUALIFIER: unfolded

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 30
 MEASUREMENT QUALIFIER: unfolded

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 24
 MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 15
 MEASUREMENT QUALIFIER: folded

Dimensions of a manuscript sheet

As a string

48 × 30 cm, folded to 24 × 15 cm

Dimensions of a manuscript sheet

EXAMPLE

48 × 30 cm folded to 24 × 15 cm

Dimensions of a manuscript sheet

For scrolls, record the height and width of the unrolled scroll, and the height and diameter of the rolled scroll. Indicate that the dimensions are for an unrolled and rolled scroll.

For scrolls, record the height × width of the unrolled scroll, followed by the height × diameter of the rolled scroll. Indicate that the dimensions are for an unrolled and rolled scroll.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 27
 MEASUREMENT QUALIFIER: unrolled

MEASUREMENT TYPE: width

MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 471
 MEASUREMENT QUALIFIER: unrolled

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 27
 MEASUREMENT QUALIFIER: rolled

MEASUREMENT TYPE: diameter
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 7
 MEASUREMENT QUALIFIER: rolled

Dimensions of a manuscript scroll

As a string

27 × 471 cm, rolled to 27 × 7 cm in diameter
Dimensions of a manuscript scroll

EXAMPLE

27 × 471 cm rolled to 27 × 7 cm in diameter
Dimensions of a manuscript scroll

Exceptions [no changes]

Maps, etc. For maps, etc., see **3.5.2**.
Still images. For still images, see **3.5.3**.

Exceptions

Maps, etc. For maps, etc., see **3.5.2**.
Still images. For still images, see **3.5.3**.

3.5.1.4.12 Slides

Record the height and width of the slide.

3.5.1.4.12 Slides

Record the height × width of the slide.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 5

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 5

Dimensions of a photographic slide

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 3

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8

Dimensions of a microscope slide

As a string

5 × 5 cm

Dimensions of a photographic slide

3 × 8 cm

Dimensions of a microscope slide

EXAMPLE

5 × 5 cm

Dimensions of a photographic slide

3 × 8 cm

Dimensions of a microscope slide

3.5.1.4.13 Three-Dimensional Forms

For globes, record the diameter and indicate that it is the diameter.

3.5.1.4.13 Three-Dimensional Forms

For globes, record the diameter and indicate that it is the diameter.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 12

As a string

12 cm in diameter

EXAMPLE

12 cm in diameter

Other three-dimensional forms. For other three-dimensional forms, record the dimensions of the form itself. [Always indicate which dimension or dimensions being given.](#)

Other three-dimensional forms. For other three-dimensional forms, record the dimensions of the form itself. If necessary, add a word to indicate which dimension is being given. If multiple dimensions are given, record them as height × width × depth.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 110

Dimensions of a sculpture

As a string

110 cm high

Dimensions of a sculpture

EXAMPLE

110 cm high

Dimensions of a sculpture

Optional Omission

If the form is in a container, omit the dimensions of the form itself and record the dimensions of the container (see [3.5.1.5](#)).

Optional Omission

If the form is in a container, omit the dimensions of the form itself and record the dimensions of the container (see [3.5.1.5](#)).

3.5.1.4.14 Volumes

Record the height of the volume. If the volume measures less than 10 centimetres, record the height in millimetres.

3.5.1.4.14 Volumes

Record the height of the volume. If the volume measures less than 10 centimetres, record the height in millimetres and use the metric symbol *mm*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 22

MEASUREMENT TYPE: height
MEASUREMENT UNIT: mm
MEASUREMENT QUANTITY: 75

<p><i>As a string</i></p> <p>22 cm</p> <p>75 mm</p>	<p>EXAMPLE</p> <p>22 cm</p> <p>75 mm</p>
<p><i>Exceptions</i></p>	<p><i>Exceptions</i></p>
<p>If the width of the volume is either less than half the height or greater than the height, record the height and width.</p>	<p>If the width of the volume is either less than half the height or greater than the height, record the height × width.</p>
<p>EXAMPLE</p> <p><i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: height MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 20</p> <p>MEASUREMENT TYPE: width MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 8</p> <p>MEASUREMENT TYPE: height MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 20</p> <p>MEASUREMENT TYPE: width MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 32</p>	
<p><i>As a string</i></p> <p>20 × 8 cm</p> <p>20 × 32 cm</p>	<p>EXAMPLE</p> <p>20 × 8 cm</p> <p>20 × 32 cm</p>

If there is a significant difference between the height and/or width of the binding and the text block, and this difference is considered important for identification or selection, record the dimensions of both and indicate which dimension is being given.

Record the dimensions using one or both of the following methods:

If there is a significant difference between the height and/or width of the binding and the text block, and this difference is considered important for identification or selection, record (in this order):

- a) the height (or height × width) of the text block
- b) the height (or height × width) of the binding.

Indicate which dimension is being given.

a) as a set of measurement sub-elements (see [x.y](#))

EXAMPLE

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 22
PART MEASURED: text block

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 24
PART MEASURED: binding

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 20
PART MEASURED: text block

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8
PART MEASURED: text block

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 22
PART MEASURED: binding

<p>MEASUREMENT TYPE: diameter MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 12 PART MEASURED: binding</p>	
<p>b) as a string, in this order:</p> <ol style="list-style-type: none"> 1) the height (or height × width) of the text block 2) the height (or height × width) of the binding. 	
<p>EXAMPLE [no changes]</p> <p>22 cm in binding 24 cm</p> <p>20 × 8 cm in binding 22 × 12 cm</p>	<p>EXAMPLE</p> <p>22 cm in binding 24 cm</p> <p>20 × 8 cm in binding 22 × 12 cm</p>
<p>If the volume contains separate text blocks of varying dimensions, record the height (or height and width) of the binding only. Make a note on the dimensions of the text blocks if considered important for identification or selection (see 3.21.3.3 or 3.22.3.3, as applicable).</p>	<p>If the volume contains separate text blocks of varying dimensions, record the height (or height × width) of the binding only. Make a note on the dimensions of the text blocks if considered important for identification or selection (see 3.21.3.3 or 3.22.3.3, as applicable).</p>
<p>If the volume contains tactile text and is smaller or larger than the standard A3 size, record the height and width. [no changes]</p>	<p>If the volume contains tactile text and is smaller or larger than the standard A3 size, record the height × width.</p>
<p>If the binding is known to be a replacement binding or one that was applied after the resource was issued, make a note indicating that fact (see 3.22.1.3).</p> <p>[Note: the task force proposes that this final instruction is mis-placed among the exceptions; it belongs to the general instruction.]</p>	<p>If the binding is known to be a replacement binding or one that was applied after the resource was issued, make a note indicating that fact (see 3.22.1.3).</p>
<p>3.5.1.5 Dimensions of Container</p>	<p>3.5.1.5 Dimensions of Container</p>

If the resource is in a container, name the container. Record the dimensions of the container (height, width, and depth) if considered important for identification or selection:

either

a) in addition to the dimensions of the carrier or carriers

or

b) as the only dimensions.

Unless instructed otherwise, record measurements as instructed at **3.5.1.3**.

If the resource is in a container, name the container. Record the dimensions of the container (height × width × depth) if considered important for identification or selection:

either

a) in addition to the dimensions of the carrier or carriers

or

b) as the only dimensions.

Unless instructed otherwise, record measurements as instructed at **3.5.1.3**.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 16

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 32

MEASUREMENT TYPE: depth
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 3

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 17
PART MEASURED: case

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 34
PART MEASURED: case

MEASUREMENT TYPE: depth

MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 6
PART MEASURED: case

Dimensions of a model and its container

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30
PART MEASURED: box

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 25
PART MEASURED: box

MEASUREMENT TYPE: depth
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 13
PART MEASURED: box

Dimensions of the container for a diorama; dimensions of the diorama not recorded

As a string

16 × 32 × 3 cm
case 17 × 34 × 6 cm

Dimensions of a model and its container

box 30 × 25 × 13 cm

Dimensions of the container for a diorama; dimensions of the diorama not recorded

EXAMPLE

16 × 32 × 3 cm
case 17 × 34 × 6 cm

Dimensions of a model and its container

box 30 × 25 × 13 cm

Dimensions of the container for a diorama; dimensions of the diorama not recorded

3.5.1.6 Resources Consisting of More Than One Carrier

If the resource consists of more than one carrier, and the carriers are all of the same type and size, record the dimensions of a single carrier (see [3.5.1.4](#)).

3.5.1.6 Resources Consisting of More Than One Carrier

If the resource consists of more than one carrier, and the carriers are all of the same type and size, record the dimensions of a single carrier (see [3.5.1.4](#)).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 3

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8

Dimensions of a microscope slide in a resource consisting of 8 microscope slides all of the same size

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 24

Dimensions of a volume in a resource consisting of 3 volumes all of the same size

As a string

3 × 8 cm

Dimensions of a microscope slide in a resource consisting of 8 microscope slides all of the same size

24 cm

Dimensions of a volume in a resource consisting of 3 volumes all of the same size

EXAMPLE

3 × 8 cm

Dimensions of a microscope slide in a resource consisting of 8 microscope slides all of the same size

24 cm

Dimensions of a volume in a resource consisting of 3 volumes all of the same size

Exception

Unbound sheets of text. For resources consisting of two or more unbound sheets of text, apply the instructions on recording the dimensions of a volume (see **3.5.1.4.14**). If the sheets are kept folded, add the dimensions when folded.

Exception

Unbound sheets of text. For resources consisting of two or more unbound sheets of text, apply the instructions on recording the dimensions of a volume (see **3.5.1.4.14**). If the sheets are kept folded, add the dimensions when folded.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 20

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 10
 MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 12
 MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 35

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 66

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 10
 MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 19
 MEASUREMENT QUALIFIER: folded

As a string

20 cm, folded to 10 × 12 cm

35 × 66 cm, folded to 10 × 19 cm

EXAMPLE

20 cm folded to 10 × 12 cm

35 × 66 cm, folded to 10 × 19 cm

If the carriers are of the same type but differ in size, record the dimensions of the smallest or smaller and the largest or larger size.

If the carriers are of the same type but differ in size, record the dimensions of the smallest or smaller and the largest or larger size.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 24
MEASUREMENT QUALIFIER: smallest volume

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 28
MEASUREMENT QUALIFIER: largest volume

Dimensions of the smallest and largest volumes in a resource consisting of 6 volumes of differing height

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 150
MEASUREMENT QUALIFIER: smallest sculpture

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 210
MEASUREMENT QUALIFIER: largest sculpture

Dimensions of the smallest and largest sculptures in a resource consisting of 3 sculptures of differing height

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 11
MEASUREMENT QUALIFIER: smaller microfiche

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 15
MEASUREMENT QUALIFIER: smaller microfiche

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 12
MEASUREMENT QUALIFIER: larger microfiche

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 17
MEASUREMENT QUALIFIER: larger microfiche

Dimensions of the smaller and larger microfiches in a resource consisting of 2 microfiches of differing height and width

As a string

24–28 cm

Dimensions of the smallest and largest volumes in a resource consisting of 6 volumes of differing height

150-210 cm high

Dimensions of the smallest and largest sculptures in a resource consisting of 3 sculptures of differing height

11 × 15 cm–12 × 17 cm

Dimensions of the smaller and larger microfiches in a resource consisting of 2 microfiches of differing height and width

EXAMPLE

24–28 cm

Dimensions of the smallest and largest volumes in a resource consisting of 6 volumes of differing height

150 to 210 cm high

Dimensions of the smallest and largest sculptures in a resource consisting of 3 sculptures of differing height

11 × 15 cm–12 × 17 cm

Dimensions of the smaller and larger microfiches in a resource consisting of 2 microfiches of differing height and width

Alternative

If the carriers are all of two sizes, record both. If they are of more than two sizes, record the dimensions of the largest with the qualifier *or smaller*.

Alternative

If the carriers are all of two sizes, record both. If they are of more than two sizes, record the dimensions of the largest followed by *or smaller*.

a) as a set of measurement sub-elements (see [x.y](#))

EXAMPLE

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8
MEASUREMENT QUALIFIER: smaller card

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 13
MEASUREMENT QUALIFIER: smaller card

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 10
MEASUREMENT QUALIFIER: larger card

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 15
MEASUREMENT QUALIFIER: larger card

Dimensions of the smaller and larger cards in a resource consisting of cards of two sizes.

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 26
MEASUREMENT QUALIFIER: or smaller

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 21
MEASUREMENT QUALIFIER: or smaller

Dimensions of the smaller and larger cards in a resource consisting of cards of two sizes.

b) as a string

EXAMPLE [no changes]

EXAMPLE

8 × 13 cm and 10 × 15 cm
Dimensions of the smaller and larger cards in a resource consisting of cards of two sizes

26 × 21 cm or smaller
Dimensions reflecting the dimensions of the largest photographs in a collection containing photographs of more than two sizes

8 × 13 cm and 10 × 15 cm
Dimensions of the smaller and larger cards in a resource consisting of cards of two sizes

26 × 21 cm or smaller
Dimensions reflecting the dimensions of the largest photographs in a collection containing photographs of more than two sizes

Exception

Notated music. For notated music, if the resource consists of more than one carrier of differing sizes, record the dimensions of each carrier containing a different type of unit.

Record the dimensions using one or both of the following methods:

a) as a set of measurement sub-elements (see x.y)

EXAMPLE

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 20
PART MEASURED: score

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 32
PART MEASURED: parts

Score measures 20 cm; parts measure 32 cm

b) as a string. Record the dimensions in the order in which the units are listed at **7.20.1.3**.

EXAMPLE [no changes]

Exception

Notated music. For notated music, if the resource consists of more than one carrier of differing sizes, record the dimensions of each carrier containing a different type of unit. Record them in the order in which the units are listed at **7.20.1.3**.

EXAMPLE

20 cm
32 cm
Score measures 20 cm; parts measure 32 cm

20 cm
32 cm
Score measures 20 cm; parts measure 32 cm

For a resource consisting of more than one type of carrier, record the dimensions of the carriers by applying the instructions at **3.1.4.2**.

For a resource consisting of more than one type of carrier, record the dimensions of the carriers by applying the instructions at **3.1.4.2**.

3.5.1.7 Resources in More Than One Container

If the resource is in more than one container, and the containers are all of the same size, record the dimensions of a single container (see **3.5.1.5**).

3.5.1.7 Resources in More Than One Container

If the resource is in more than one container, and the containers are all of the same size, record the dimensions of a single container (see **3.5.1.5**).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 27
PART MEASURED: boxes

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 40
PART MEASURED: boxes

MEASUREMENT TYPE: depth
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 50
PART MEASURED: boxes

Dimensions of the boxes in a collection consisting of 12 boxes all of the same size.

As a string

boxes 27 × 40 × 50 cm

EXAMPLE

boxes 27 × 40 × 50 cm

Dimensions of the boxes in a collection consisting of 12 boxes all of the same size

Dimensions of the boxes in a collection consisting of 12 boxes all of the same size

If the containers differ in size, record the dimensions of the smallest or smaller and the largest or larger size.

If the containers differ in size, record the dimensions of the smallest or smaller and the largest or larger size.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 20
 PART MEASURED: boxes
 MEASUREMENT QUALIFIER: smaller boxes

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 30
 PART MEASURED: boxes
 MEASUREMENT QUALIFIER: smaller boxes

MEASUREMENT TYPE: depth
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 5
 PART MEASURED: boxes
 MEASUREMENT QUALIFIER: smaller boxes

MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 26
 PART MEASURED: boxes
 MEASUREMENT QUALIFIER: larger boxes

MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 35
 PART MEASURED: boxes
 MEASUREMENT QUALIFIER: larger boxes

MEASUREMENT TYPE: depth
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 6

PART MEASURED: boxes
MEASUREMENT QUALIFIER: larger boxes

**Dimensions of the smaller and larger boxes in a collection
consisting of boxes of two sizes.**

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 14
PART MEASURED: containers
MEASUREMENT QUALIFIER: smallest container

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 26
PART MEASURED: containers
MEASUREMENT QUALIFIER: smallest container

MEASUREMENT TYPE: depth
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8
PART MEASURED: containers
MEASUREMENT QUALIFIER: smallest container

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 16
PART MEASURED: containers
MEASUREMENT QUALIFIER: largest container

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 38
PART MEASURED: containers
MEASUREMENT QUALIFIER: largest container

MEASUREMENT TYPE: depth
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 22
PART MEASURED: containers
MEASUREMENT QUALIFIER: largest container

**Dimensions of the smallest and largest containers in a collection
consisting of more than two sizes.**

As a string

boxes 20 × 30 × 5 cm–26 × 35 × 6 cm

Dimensions of the smaller and larger boxes in a collection consisting of boxes of two sizes

containers 14 × 26 × 8 cm to 16 × 38 × 22 cm

Dimensions of the smallest and largest containers in a collection consisting of containers of more than two sizes

EXAMPLE

boxes 20 × 30 × 5 cm–26 × 35 × 6 cm

Dimensions of the smaller and larger boxes in a collection consisting of boxes of two sizes

containers 14 × 26 × 8 cm to 16 × 38 × 22 cm

Dimensions of the smallest and largest containers in a collection consisting of containers of more than two sizes

3.5.1.8 Change in Dimensions [no changes]

If there is a change in dimensions, apply the instructions appropriate to the mode of issuance of the resource:

multipart monographs and serials (see **3.5.1.8.1**)

integrating resources (see **3.5.1.8.2**).

3.5.1.8 Change in Dimensions

If there is a change in dimensions, apply the instructions appropriate to the mode of issuance of the resource:

multipart monographs and serials (see **3.5.1.8.1**)

integrating resources (see **3.5.1.8.2**).

3.5.1.8.1 Multipart Monographs and Serials [no changes]

If the dimensions of a multipart monograph or serial change, record the dimensions by applying the instructions on resources consisting of more than one carrier at **3.5.1.6**.

3.5.1.8.1 Multipart Monographs and Serials

If the dimensions of a multipart monograph or serial change, record the dimensions by applying the instructions on resources consisting of more than one carrier at **3.5.1.6**.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 27
MEASUREMENT QUALIFIER: smallest volume

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 32
MEASUREMENT QUALIFIER: largest volume

EXAMPLE

27–32 cm

Dimensions of the smallest and largest volumes of a serial

Dimensions of the smallest and largest volumes of a serial

As a string

27–32 cm

Dimensions of the smallest and largest volumes of a serial

Make a note on the details of the change if considered important for identification or selection (see [3.21.3.4.1](#)). [no changes]

Make a note on the details of the change if considered important for identification or selection (see [3.21.3.4.1](#)).

3.5.1.8.2 Integrating Resources [no changes]

If the dimensions of an integrating resource change, change the dimensions to reflect the current iteration. Make a note if the change is considered important for identification or selection (see [3.21.3.4.2](#)).

3.5.1.8.2 Integrating Resources

If the dimensions of an integrating resource change, change the dimensions to reflect the current iteration. Make a note if the change is considered important for identification or selection (see [3.21.3.4.2](#)).

3.5.2 Dimensions of Map, Etc.

3.5.2 Dimensions of Map, Etc.

3.5.2.1 Application [no changes]

For a resource consisting of one or more sheets that contain one or more maps, diagrams, views, profiles, sections, etc., record the dimensions by applying the instructions at [3.5.2.2–3.5.2.7](#).

3.5.2.1 Application

For a resource consisting of one or more sheets that contain one or more maps, diagrams, views, profiles, sections, etc., record the dimensions by applying the instructions at [3.5.2.2–3.5.2.7](#).

In addition, apply the basic instructions on recording dimensions at [3.5.1](#) as applicable.

In addition, apply the basic instructions on recording dimensions at [3.5.1](#) as applicable.

3.5.2.2 Recording Dimensions of Maps, Etc.

Record the dimensions of each map, etc., by giving the measurements of the face of the map, etc., measured within the neat line. Record the height and width or the diameter, as appropriate. When recording diameter, indicate that it is the diameter.

3.5.2.2 Recording Dimensions of Maps, Etc.

Record the dimensions of each map, etc., by giving the measurements of the face of the map, etc., measured within the neat line. Record the height × width or diameter, as appropriate. When recording diameter, indicate that it is the diameter.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height

MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 25

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 35

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 45

As a string

25 × 35 cm

45 cm in diameter

EXAMPLE

25 × 35 cm

45 cm in diameter

Alternative

For early printed and manuscript sheet maps, etc., record the dimensions to the next tenth of a centimetre and use the metric symbol *cm*. [no changes]

Alternative

For early printed and manuscript sheet maps, etc., record the dimensions to the next tenth of a centimetre and use the metric symbol *cm*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 123.5

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 154.2

As a string

EXAMPLE

123.5 × 152.4 cm

123.5 × 152.4 cm

Record the greater or greatest dimensions of the map, etc., itself, if the map: **[no changes]**

a) is irregularly shaped,

or

b) has no neat line

or

c) bleeds off the edge.

In some cases, it is difficult to determine the points for measuring the height and width of the map, etc., itself (e.g., when the shape is extremely irregular, or when it was printed without one or more of its borders). When this occurs, record the height and width of the sheet. Indicate that the dimensions are for the sheet.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 45
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 33
PART MEASURED: sheet

As a string

sheet 45 × 33 cm

Record the greater or greatest dimensions of the map, etc., itself, if the map:

a) is irregularly shaped,

or

b) has no neat line

or

c) bleeds off the edge.

In some cases, it is difficult to determine the points for measuring the height and width of the map, etc., itself (e.g., when the shape is extremely irregular, or when it was printed without one or more of its borders). When this occurs, record the height × width of the sheet. Indicate that the dimensions are for the sheet.

EXAMPLE

sheet 45 × 33 cm

If appropriate, record more than one set of dimensions and indicate specifically the area to which each set of dimensions applies.

If appropriate, record more than one set of dimensions and indicate specifically the area to which each set of dimensions applies. Separate each set of dimensions by a comma.

3.5.2.3 Map, Etc., on More Than One Sheet of Differing Sizes

If the map, etc., is on sheets of two sizes, record both sets of sheet dimensions.

3.5.2.3 Map, Etc., on More Than One Sheet of Differing Sizes

If the map, etc., is on sheets of two sizes, record both sets of sheet dimensions.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 25
PART MEASURED: sheet 1

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 35
PART MEASURED: sheet 1

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30
PART MEASURED: sheet 2

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 35
PART MEASURED: sheet 2

As a string

sheets 25 × 35 cm and 30 × 35 cm

EXAMPLE

sheets 25 × 35 cm and 30 × 35 cm

If the map, etc., is on sheets of more than two sizes, record the greatest height of any of the sheets and the greatest width of any of them; use the qualifier *or smaller*.

If the map, etc., is on sheets of more than two sizes, record the greatest height of any of the sheets followed by the greatest width of any of them, followed by *or smaller*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30
PART MEASURED: sheets
MEASUREMENT QUALIFIER: or smaller

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 40
PART MEASURED: sheets
MEASUREMENT QUALIFIER: or smaller

As a string

sheets 30 × 40 cm or smaller

EXAMPLE

sheets 30 × 40 cm or smaller

3.5.2.4 Map, Etc., in Segments Designed to Fit Together

If:

the map, etc., is on one or more sheets

and

the map is in two or more segments designed to fit together to form one map, etc.

then:

record the dimensions of the complete map and the dimensions of the sheet or sheets.

3.5.2.4 Map, Etc., in Segments Designed to Fit Together

If:

the map, etc., is on one or more sheets

and

the map is in two or more segments designed to fit together to form one map, etc.

then:

record the dimensions of the complete map, etc., followed by the dimensions of the sheet or sheets. Separate the dimensions by a comma and precede the sheet dimensions

with *on sheets* or *in sheets*, as appropriate, unless the number of sheets is recorded in the extent (see [3.4.2.4](#)).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 10

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 60

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 25
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 35
PART MEASURED: sheet

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 264

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 375

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 96
PART MEASURED: sheets

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 142
PART MEASURED: sheets

<p>1 map on 9 sheets</p>	
<p>As a string</p> <p>10 × 60 cm, on sheet 25 × 35 cm</p> <p>264 × 375 cm, sheets 96 × 142 cm</p> <p>1 map on 9 sheets</p>	<p>EXAMPLE</p> <p>10 × 60 cm, on sheet 25 × 35 cm</p> <p>264 × 375 cm, sheets 96 × 142 cm</p> <p>Extent recorded as: 1 map on 9 sheets</p>
<p>If the segments have been assembled and mounted together, record the dimensions of the whole map, etc., alone.</p>	<p>If the segments have been assembled and mounted together, record the dimensions of the whole map, etc., alone.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: height MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 120</p> <p>MEASUREMENT TYPE: width MEASUREMENT UNIT: cm MEASUREMENT QUANTITY: 276</p> <p>Mounted map created from several segments</p>	
<p>As a string</p> <p>120 × 276 cm</p> <p>Mounted map created from several segments</p>	<p>EXAMPLE</p> <p>120 × 276 cm</p> <p>Mounted map created from several segments</p>
<p>In some cases, it is difficult to determine the points for measuring the height and width of a complete map, etc., that is in segments, or to assemble the map, etc., for measuring. When this occurs, record only the height and width of the sheet or sheets. Indicate that the dimensions are for the sheet or sheets.</p>	<p>In some cases, it is difficult to determine the points for measuring the height and width of a complete map, etc., that is in segments, or to assemble the map, etc., for measuring. When this occurs, record only the height × width of the sheet or sheets. Indicate that the dimensions are for the sheet or sheets.</p>

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30
PART MEASURED: sheets

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 40
PART MEASURED: sheets

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 60
PART MEASURED: sheets
MEASUREMENT QUALIFIER: or smaller

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 60
PART MEASURED: sheets
MEASUREMENT QUALIFIER: or smaller

As a string

sheets 30 × 40 cm

sheets 60 × 60 cm or smaller

EXAMPLE

sheets 30 × 40 cm

sheets 60 × 60 cm or smaller

3.5.2.5 Dimensions of Map, Etc., in Relation to Dimensions of Sheet

If:

the measurement of either dimension of the map, etc., is less than half the measurement of the same dimension of the sheet on which it is presented

3.5.2.5 Dimensions of Map, Etc., in Relation to Dimensions of Sheet

If:

the measurement of either dimension of the map, etc., is less than half the measurement of the same dimension of the sheet on which it is presented

or

there is substantial additional information on the sheet (e.g., text)

then:

record the dimensions of the map, etc., and the dimensions of the sheet.

or

there is substantial additional information on the sheet (e.g., text)

then:

record the dimensions of the map, etc., followed by the dimensions of the sheet. Separate the dimensions by a comma and precede the dimensions of the sheet by *on sheet*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 20

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 31

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 42
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 50
PART MEASURED: sheet

As a string

20 × 31 cm, on sheet 42 × 50 cm

EXAMPLE

20 × 31 cm, on sheet 42 × 50 cm

3.5.2.6 Map, Etc., on Folded Sheet

If:

3.5.2.6 Map, Etc., on Folded Sheet

If:

the map, etc., is presented with an outer cover within which it is intended to be folded

or

the sheet itself contains a panel or section designed to appear on the outside when the sheet is folded

then:

record the dimensions of the map, etc., and the dimensions of the sheet in folded form

the map, etc., is presented with an outer cover within which it is intended to be folded

or

the sheet itself contains a panel or section designed to appear on the outside when the sheet is folded

then:

record the dimensions of the map, etc., and add the dimensions of the sheet in folded form, preceded by a comma.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 80

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 57

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 21
PART MEASURED: sheet
MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 10
PART MEASURED: sheet
MEASUREMENT QUALIFIER: folded

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 9

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm

MEASUREMENT QUANTITY: 20
 MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 40
 PART MEASURED: sheet
 MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 60
 PART MEASURED: sheet
 MEASUREMENT TYPE: height
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 21
 PART MEASURED: cover
 MEASUREMENT QUALIFIER: folded
 MEASUREMENT TYPE: width
 MEASUREMENT UNIT: cm
 MEASUREMENT QUANTITY: 10
 PART MEASURED: cover
 MEASUREMENT QUALIFIER: folded

As a string

80 × 57 cm, folded to 21 × 10 cm
 9 × 20 cm, on sheet 40 × 60 cm, folded in cover 21 × 10 cm

EXAMPLE

80 × 57 cm, folded to 21 × 10 cm
 9 × 20 cm, on sheet 40 × 60 cm, folded in cover 21 × 10 cm

3.5.2.7 Map, Etc., Presented on Both Sides of a Sheet

If the map, etc., is presented on both sides of a sheet at a consistent scale, record the dimensions of the map, etc., as a whole, and the dimensions of the sheet. If it is difficult to measure such a map, etc., record the dimensions of the sheet alone.

3.5.2.7 Map, Etc., Presented on Both Sides of a Sheet

If the map, etc., is presented on both sides of a sheet at a consistent scale, record the dimensions of the map, etc., as a whole. Add the dimensions of the sheet, separated by a comma and preceded by *on sheet*. If it is difficult to measure such a map, etc., record the dimensions of the sheet alone.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 45

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 80

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 50
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 44
PART MEASURED: sheet

Printed on both sides of sheet with line for joining indicated

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 45
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30
PART MEASURED: sheet

Printed on both sides of sheet

As a string

45 × 80 cm, on sheet 50 × 44 cm

Printed on both sides of sheet with line for joining indicated

on sheet 45 × 30 cm

Printed on both sides of sheet

EXAMPLE

45 × 80 cm, on sheet 50 × 44 cm

Printed on both sides of sheet with line for joining indicated

on sheet 45 × 30 cm

Printed on both sides of sheet

3.5.3 Dimensions of Still Image

3.5.3.1 Application

For a resource consisting of one or more sheets that contain one or more still images in the form of drawings, paintings, prints, photographs, etc., record the dimensions by applying the instructions at [3.5.3.2–3.5.3.3](#).

In addition, apply the basic instructions on recording dimensions at [3.5.1](#) as applicable.

For resources consisting of still images in other media (e.g., slides, transparencies), apply the basic instructions at [3.5.1](#).

For sheets containing maps, etc., see [3.5.2](#).

3.5.3.2 Recording Dimensions of Still Images

Record the dimensions of a still image by using the measurements of the pictorial area. Record the height and width, diameter, or other dimensions, as appropriate, and give the dimensions with reference to the position in which the image is intended to be viewed. When recording dimensions other than height and width of a rectangle, indicate what is being measured.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 33

3.5.3 Dimensions of Still Image

3.5.3.1 Application

For a resource consisting of one or more sheets that contain one or more still images in the form of drawings, paintings, prints, photographs, etc., record the dimensions by applying the instructions at [3.5.3.2–3.5.3.3](#).

In addition, apply the basic instructions on recording dimensions at [3.5.1](#) as applicable.

For resources consisting of still images in other media (e.g., slides, transparencies), apply the basic instructions at [3.5.1](#).

For sheets containing maps, etc., see [3.5.2](#).

3.5.3.2 Recording Dimensions of Still Images

Record the dimensions of a still image by using the measurements of the pictorial area. Record the height × width, diameter, or other dimensions, as appropriate, and give the dimensions with reference to the position in which the image is intended to be viewed. When recording dimensions other than height × width of a rectangle, indicate what is being measured.

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 25

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 6

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 7
MEASUREMENT QUALIFIER: oval

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 5
MEASUREMENT QUALIFIER: oval

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 41
MEASUREMENT QUALIFIER: irregular pentagon

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 36
MEASUREMENT QUALIFIER: irregular pentagon

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 244

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 26

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30
PART MEASURED: sheet

<p>MEASUREMENT QUALIFIER: folded</p> <p>MEASUREMENT TYPE: width</p> <p>MEASUREMENT UNIT: cm</p> <p>MEASUREMENT QUANTITY: 26</p> <p>PART MEASURED: sheet</p> <p>MEASUREMENT QUALIFIER: folded</p>	
<p>As a string</p> <p>33 × 25 cm</p> <p>6 cm in diameter</p> <p>7 × 5 cm oval</p> <p>41 × 36 cm irregular pentagon</p> <p>244 × 26 cm, folded to 30 × 26 cm</p> <p>Dimensions of a wall chart</p>	<p>EXAMPLE</p> <p>33 × 25 cm</p> <p>6 cm in diameter</p> <p>7 × 5 cm oval</p> <p>41 × 36 cm irregular pentagon</p> <p>244 × 26 cm, folded to 30 × 26 cm</p> <p>Dimensions of a wall chart</p>
<p>Alternative</p> <p>Record the dimensions to the next tenth of a centimetre.</p>	<p>Alternative</p> <p>Record the dimensions to the next tenth of a centimetre and use the metric symbol <i>cm</i>.</p>
<p>EXAMPLE</p> <p>As a set of measurement sub-elements</p> <p>MEASUREMENT TYPE: height</p> <p>MEASUREMENT UNIT: cm</p> <p>MEASUREMENT QUANTITY: 32.2</p> <p>MEASUREMENT TYPE: width</p> <p>MEASUREMENT UNIT: cm</p> <p>MEASUREMENT QUANTITY: 22.4</p>	
<p>As a string</p>	<p>EXAMPLE</p>

32.2 × 22.4 cm

If appropriate, record more than one set of dimensions and indicate specifically the area to which each set of dimensions applies.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 6

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8
PART MEASURED: plate mark

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 7
PART MEASURED: plate mark

As a string

6 cm in diameter, plate mark 8 × 7 cm

3.5.3.3 Dimensions of Image in Relation to Dimensions of Sheet

If:

the measurement of either dimension of the image is less than half the measurement of the same dimension of the sheet on which it is presented

or

there is substantial additional information on the sheet (e.g., text)

32.2 × 22.4 cm

If appropriate, record more than one set of dimensions and indicate specifically the area to which each set of dimensions applies. Separate each set of dimensions by a comma.

EXAMPLE

6 cm in diameter, plate mark 8 × 7 cm

3.5.3.3 Dimensions of Image in Relation to Dimensions of Sheet

If:

the measurement of either dimension of the image is less than half the measurement of the same dimension of the sheet on which it is presented

or

there is substantial additional information on the sheet (e.g., text)

then:

record the dimensions of the image and the dimensions of the sheet (exclusive of any frame or mounting).

then:

record the dimensions of the image followed by the dimensions of the sheet (exclusive of any frame or mounting). Separate the dimensions by a comma and precede the dimensions of the sheet by *on sheet*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 21

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 30

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 42
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 50
PART MEASURED: sheet

MEASUREMENT TYPE: diameter
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 6

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 8
PART MEASURED: plate mark

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 7
PART MEASURED: plate mark

MEASUREMENT TYPE: height
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 24
PART MEASURED: sheet

MEASUREMENT TYPE: width
MEASUREMENT UNIT: cm
MEASUREMENT QUANTITY: 17
PART MEASURED: sheet

As a string

20 × 31 cm, on sheet 42 × 50 cm

6 cm in diameter, plate mark 8 × 7 cm, on sheet 24 × 17 cm

EXAMPLE

20 × 31 cm, on sheet 42 × 50 cm

6 cm in diameter, plate mark 8 × 7 cm, on sheet 24 × 17 cm

5. Extent of the Content

The proposal for Extent of the Content is modeled on the structure of guidelines for Extent of the Carrier. In many places, the carrier instructions require only the lightest of modifications for reuse in Extent of the Content.

The proposal assumes that terms for Extent of the Content will be based on a controlled vocabulary, to be mapped to the RDA ONIX Framework -- in the same manner as terms for Extent of the Carrier. And just as with carrier extent terms, there will be the additional option of using a term not on the provided list, when necessary. The value vocabulary remains to be developed. Relevant terms previously included in 3.4 are provided here as placeholders.

Provisionally, the proposal suggests that Extent of the Content will be a core element for cartographic resources, notated movement, notated music, still images, and three-dimensional forms, if the resource is complete or if the total extent is known.

The proposal does not include Details on Extent of the Content, but such an element will be necessary.

The proposed guidelines for Extent of the Content and Duration assume that a single Expression can be an *aggregate* of content. This approach is in agreement with the alternative view of aggregates expressed in Appendix B of the Final Report of the Working Group on Aggregates, 2011 (see: <http://www.ifla.org/files/assets/cataloguing/frbrwg/AggregatesFinalReport.pdf>).

7.x Extent of the Content

CORE ELEMENT

Extent of the content is a core element for cartographic resources, notated movement, notated music, still images, and three-dimensional forms, if the resource is complete or if the total extent is known. Record subunits only if readily ascertainable and considered important for identification or selection.

7.x.1 Basic Instructions on Recording Extent of the Content

7.x.1.1 Scope

Extent of the content ▼ is a measurement of the number and type of content units and/or subunits making up a resource.

For instructions on recording sub-elements of the extent of the content, see **x.y**.

A **content unit** ▼ is an intellectual constituent of a resource (e.g., a picture, a poem, a game).

A **content subunit** ▼ is an intellectual subdivision of a content unit (e.g., a word in a poem, a map in an atlas, a song in a vocal score).

For instructions on recording duration, see [7.22](#).

For instructions on recording extent of the carrier, see [3.4](#)

7.x.1.2 Sources of Information

Take information on extent of the content from any source.

7.x.1.3. Recording Extent of the Content

Record the extent of the content by applying the general guidelines for measurements at [x.y](#).

Use one or both of the following methods

- a) a set of measurement sub-elements
- b) a string, combining the values of appropriate measurement sub-elements.

For measurement type (see [x.y.2](#)), record:

either

- a) *content extent units* for counts of content units

or

- b) *content extent subunits* for counts of content subunits.

Exception

For extent recorded as a string, omit the measurement type.

Record the measurement unit using one or more of the terms in the following list:

Cartographic resources

atlas
diagram
globe
map
model
profile
remote-sensing image
section
view

Computer dataset

record
statement

Computer program

record
statement

Notated music

score
condensed score
study score
piano conductor part
violin conductor part
vocal score
piano score

chorus score

part

choir book

table book

Still images

activity card

chart

collage

drawing

flash card

icon

painting

photograph

picture

postcard

poster

print

radiograph

study print

technical drawing

wall chart

Three-dimensional forms

coin

diorama

exhibit

game

jigsaw puzzle
medal
mock-up
model
sculpture
specimen
toy

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: drawing
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: views
MEASUREMENT QUANTITY: 100

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: maps
MEASUREMENT QUANTITY: 2

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: score
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: records
MEASUREMENT QUANTITY: 980

As a string

1 drawing

100 views

2 maps

1 score

980 records

If none of the terms in the list is appropriate, use another concise term or terms to indicate the type of unit.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: flannel board pieces
MEASUREMENT QUANTITY: 7

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: quilts
MEASUREMENT QUANTITY: 3

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: playing cards
MEASUREMENT QUANTITY: 52

As a string

7 flannel board pieces

3 quilts

52 playing cards

For a resource that is part of a larger resource, see [7.x.1.12](#).

Specify the number of subunits, if applicable (see [7.x.y–7.x.z](#)).

7.x.1.4 Exact Number of Units Not Readily Ascertainable

If the exact number of units cannot be readily ascertained, but an approximate number can be readily estimated, record an approximate number as the measurement quantity and record *approximately* as the measurement qualifier.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE:	content extent units
MEASUREMENT UNIT:	pictures
MEASUREMENT QUANTITY:	600
MEASUREMENT QUALIFIER:	approximately

As a string

approximately 600 pictures

If the number of units cannot be readily approximated, use one or both of the following methods to record the extent:

- a) as a set of measurement sub-elements (see [x.y](#)). Record *cannot be readily approximated* as the measurement quantity.

EXAMPLE

MEASUREMENT TYPE:	content extent units
MEASUREMENT UNIT:	views
MEASUREMENT QUANTITY:	cannot be readily approximated

Optional Omission

- b) as a string. Omit the quantity.

EXAMPLE

views

7.x.1.5 Units Cannot Be Named Concisely

If the units cannot be named concisely, record the number of logical units and record the measurement unit as *items of varied content*. Record details in a note if considered important for identification or selection (see [7...](#)).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: items of varied content
MEASUREMENT QUANTITY: 48

As a string

48 items of varied content

For instructions on recording the extent of the content if the number of units cannot be readily ascertained or approximated, see [7.4.1.4](#).

7.x.1.6 Units and Sets of Units with Identical Content

If the units of the resource have identical content, record *identical* as the measurement qualifier.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: sculptures
MEASUREMENT QUANTITY: 4
MEASUREMENT QUALIFIER: identical

As a string

4 identical sculptures

7.x.1.7 Number of Subunits

Specify the number of subunits (see [7.x.1.7.1–7.x.1.7.y](#)), if readily ascertainable and considered important for identification or selection. Record the number of subunits using one or both of the following methods:

- a) a set of measurement sub-elements (see [x.y](#)). Record *content extent subunits* as the measurement type.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: atlas
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: content extent subunits
MEASUREMENT UNIT: maps
MEASUREMENT QUANTITY: 76

- b) a string. Record the number of subunits, in parentheses, following the term for the type of unit.

As a string

1 atlas (76 maps)

7.x.1.8 Exact Number of Subunits Not Readily Ascertainable

If the subunits are unnumbered and their number cannot be readily ascertained, record an approximate number and record *approximately* as the measurement qualifier.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: sketchbook
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: content extent subunits
MEASUREMENT UNIT: drawings
MEASUREMENT QUANTITY: 100

MEASUREMENT QUALIFIER: approximately

As a string

1 sketchbook (approximately 100 drawings)

7.x.1.10 Incomplete Resource

If:
preparing a comprehensive description for a resource that is not yet complete
or
preparing a comprehensive description for a resource for which the total number of units created is unknown
then:
record the extent of the content using one or both of the following methods:

a) as a set of measurement sub-elements (see [x.y](#)). Record *not yet complete* or *unknown* as the measurement quantity, as appropriate.

EXAMPLE

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: maps
MEASUREMENT QUANTITY: not yet complete

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: scores
MEASUREMENT QUANTITY: not yet complete

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: prints
MEASUREMENT QUANTITY: unknown

b) a string. Omit the quantity.

EXAMPLE

maps

scores

prints

Alternative

Do not record extent of the content for a resource that is not yet complete (or if the total number of units created is unknown).

If:

the resource was planned to be in more than one unit, but not all have been issued

and

it appears that the resource will not be continued

then:

describe the incomplete set by recording the number of units issued. Make a note that no more units have been created (see ...).

7.x.1.11 Comprehensive Description of a Collection

When describing a collection as a whole, record the extent of the content by using a method appropriate to the nature of the collection and the purpose of the description:

a) number of items (see [7.x.1.11.1](#))

or

b) number and type of unit (see [7.x.1.11.3](#)).

7.x.1.11.1 Number of Items

Record the extent by giving the number or approximate number of items, using one or both of the following methods:

a) as a set of measurement sub-elements (see [x.y](#)). Record *items (content)* as the measurement unit.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: items (content)
MEASUREMENT QUANTITY: 19

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: items (content)
MEASUREMENT QUANTITY: 400
MEASUREMENT QUALIFIER: approximately

b) as a string. Record *items* as the measurement unit.

As a string

19 items

approximately 400 items

7.x.1.11.3 Number and Type of Unit

Record the extent of each type of resource in the collection, as instructed at [7.x.1.3](#).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: models
MEASUREMENT QUANTITY: 35

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: mock-ups
MEASUREMENT QUANTITY: 21

As a string

35 models
21 mock-ups

7.x.1.12 Analytical Description of a Part

When describing a resource that is part of a larger resource, record the extent of the part by applying one of these instructions:

a) number of units and/or subunits in the part (see [7.x.1.12.1](#))

or

b) location of the part within the larger resource (see [7.x.1.12.2](#))

7.x.1.12.1 Number of Units and/or Subunits in the Part

Record the extent of the part by giving the number of units and/or number of subunits, as appropriate. Apply the instructions at [7.x.1.3–7.x.1.10](#).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: map
MEASUREMENT QUANTITY: 1

MEASUREMENT TYPE: content extent units
MEASUREMENT UNIT: view
MEASUREMENT QUANTITY: 1

As a string

1 map

1 view

6. Duration

This section incorporates the changes introduced in [6JSC-ALA-36](#).

The proposal does not prescribe a single system of time to be used as measurement units. While most agencies may use hours, minutes and seconds of the 24-hour clock as the standard system of time in this element, it would also be valid to use other systems, such as Decimal time -- so long as the system is a recognized standard and is clearly specified in the Measurement Unit.

In a number of examples, the proposal replaces references to carriers (e.g., film cartridge, audio disc) -- which are inappropriate in an element used to record duration of content -- with references to content (e.g., interview, documentary film)

In Details of Duration, the proposal removes examples that concern carriers. It modifies the remaining examples so that they describe content alone. The deleted examples demonstrate warrant for a means to record duration information about the carrier (Manifestation). The proposal does not yet include such an attribute.

This column shows the proposed revision to 7.22.	This column shows equivalent portions of RDA's current 7.22.
7.22.1. Basic Instructions on Recording Duration	7.22.1. Basic Instructions on Recording Duration
7.22.1.1 Scope [no changes] Duration ▼ is the playing time, running time, performance time, etc., of the content of a resource.	7.22.1.1 Scope Duration ▼ is the playing time, running time, performance time, etc., of the content of a resource.
7.22.1.2 Sources of Information [no changes] Take information on duration from any source.	7.22.1.2 Sources of Information Take information on duration from any source.
7.22.1.3 Recording Duration Record the duration by applying the general guidelines for measurements at x.y . Use one or both of the following methods:	7.22.1.3 Recording Duration

	<p>Record the duration in the form preferred by the agency creating the data. When including terms designating units of time, record the terms as instructed in appendix B (B.5.3).</p>
<p>a) a set of measurement sub-elements b) a string, combining the values of appropriate measurement sub-elements, in the form preferred by the agency creating the data.</p>	
<p>Record the measurement type by giving an appropriate term from the following list: duration intended duration</p>	
<p>Exception For durations recorded as a string, omit the measurement type.</p>	
<p>Record the measurement unit by giving standard units of time (e.g. seconds, minutes, hours, etc.). For a measurement recorded as a string, record the terms as instructed in appendix B (B.5.3).</p>	
<p>Record the exact duration if readily ascertainable.</p>	<p>Record the total duration using one of the following methods: a) Record the exact time if readily ascertainable.</p>
<p>EXAMPLE <i>As a set of measurement sub-elements</i></p> <p>MEASUREMENT TYPE: duration MEASUREMENT UNIT: minutes MEASUREMENT QUANTITY: 40</p> <p>Duration of a speech</p>	

MEASUREMENT TYPE: intended duration
MEASUREMENT UNIT: hours
MEASUREMENT QUANTITY: 0.75

Intended duration indicated on a piano score

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: minutes / seconds
MEASUREMENT QUANTITY: 3:23

Duration of an interview

MEASUREMENT TYPE: intended duration
MEASUREMENT UNIT: muhūrta
MEASUREMENT QUANTITY: 1

Intended duration indicated on a choreographic resource

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: hours / minutes / seconds
MEASUREMENT QUANTITY: 2:30:04

Duration of a documentary film

As a string

40 min.

Duration of a speech

0.75 hr.

Intended duration indicated on a piano score

3 min., 23 sec.

Duration of an interview

1 muhūrta

Intended duration indicated on a choreographic resource

EXAMPLE

40 min.

Duration of an audiocassette

0.75 hr.

Duration of a piano score

3 min., 23 sec.

Duration of a film cartridge

1 muhūrta

Duration of a choreographic resource

2:30:04

2:30:04

Duration of a documentary film

Duration of an audio disc

7.22.1.4 Exact Duration Not Readily Ascertainable

If the exact duration cannot be readily ascertained, but an approximate duration is stated or can be readily estimated, record the approximate time. Record approximately as the measurement qualifier.

- b. If the exact time is not readily ascertainable, but an approximate time is stated or can be readily estimated, record that time preceded by *approximately*.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: hours
MEASUREMENT QUANTITY: 3
MEASUREMENT QUALIFIER: approximately

Duration of an opera

MEASUREMENT TYPE: intended duration
MEASUREMENT UNIT: minutes
MEASUREMENT QUANTITY: 15
MEASUREMENT QUALIFIER: approximately

Intended duration indicated on a monologue

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: minutes / seconds
MEASUREMENT QUANTITY: 01:30
MEASUREMENT QUALIFIER: approximately

Duration of a jingle

As a string

approximately 3 hr.

Duration of an opera

EXAMPLE

approximately 3 hr.

Duration of a videocassette

approximately 15 min.
Intended duration indicated on a monologue

approximately 01:30
Duration of a jingle

approximately 15 min.
Duration of a monologue

approximately 01:30
Duration of an audio cartridge

Optional Omission

If the duration cannot be readily ascertained or approximated, omit it.

c. If the time cannot be readily ascertained or estimated, omit it.

For instructions on recording the duration of component parts, see [7.22.1.5](#). [no changes]

For instructions on recording the duration of component parts, see [7.22.1.4](#).

Record details of duration as instructed at [7.22.1.6](#). [no changes]

Record details of duration as instructed at [7.22.1.5](#).

7.22.1.5 Duration of Component Parts

When recording duration of a resource consisting of more than one component part, record the duration of each component part as instructed at [7.22.1.3](#).

7.22.1.4 Duration of Component Parts

When recording duration of a resource consisting of more than one component part, record the duration of each component part as instructed at [7.22.1.3](#).

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: intended duration
MEASUREMENT UNIT: minutes
MEASUREMENT QUANTITY: 17

MEASUREMENT TYPE: intended duration
MEASUREMENT UNIT: minutes
MEASUREMENT QUANTITY: 23

MEASUREMENT TYPE: intended duration
MEASUREMENT UNIT: minutes
MEASUREMENT QUANTITY: 9

Intended duration indicated for each act of a play

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: .beats
MEASUREMENT QUANTITY: 25

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: .beats
MEASUREMENT QUANTITY: 83
MEASUREMENT QUALIFIER: approximately

Duration of each chapter of a recorded reading

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: minutes / seconds
MEASUREMENT QUANTITY: 17:46

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: minutes / seconds
MEASUREMENT QUANTITY: 15:12

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: minutes / seconds
MEASUREMENT QUANTITY: 18:54

Duration of each dance in a choreographic resource

As a string

17 min.

23 min.

9 min.

Intended duration indicated of each act of a play

25 .beats

approximately 83 .beats

Duration of each chapter in a recorded reading

17:46

EXAMPLE

17 min.

23 min.

9 min.

Duration of each act of a play

25 .beats

approximately 83 .beats

Duration of each video file in an online resource

17:46

15:12

15:12

18:54

Duration of each dance in a choreographic resource

18:54

Duration of each dance in a choreographic resource

Alternative

Record the total duration of the resource. Apply this instruction instead of or in addition to recording the duration of the component parts.

Alternative

Record the total duration of the resource. Apply this instruction instead of or in addition to recording the duration of the component parts.

EXAMPLE

As a set of measurement sub-elements

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: minutes
MEASUREMENT QUANTITY: 49

Total duration of a play with three acts that have durations of 17, 23, and 9 minutes

MEASUREMENT TYPE: duration
MEASUREMENT UNIT: hours / minutes
MEASUREMENT QUANTITY: 3:00

PART MEASURED: scene 1
MEASUREMENT TYPE: duration
MEASUREMENT UNIT: hours / minutes
MEASUREMENT QUANTITY: 1:00

PART MEASURED: scene 2
MEASUREMENT TYPE: duration
MEASUREMENT UNIT: hours / minutes
MEASUREMENT QUANTITY: 1:00

PART MEASURED: scene 3
MEASUREMENT TYPE: duration
MEASUREMENT UNIT: hours / minutes
MEASUREMENT QUANTITY: 1:00

<p>Total duration and duration of each component part of a work of performance art</p>	
<p>As a string</p> <p>49 min.</p> <p>Total duration of a play with three acts that have durations of 17, 23, and 9 minutes</p> <p>3:00 1:00 1:00 1:00</p> <p>Total duration and duration of each scene of a work of performance art</p>	<p>EXAMPLE</p> <p>49 min.</p> <p>Total duration of a play with three acts that have durations of 17, 23, and 9 minutes</p> <p>3:00 1:00 1:00 1:00</p> <p>Total duration and duration of each component part recorded for a resource containing three audio files</p>
<p>7.22.1.6 Details of Duration</p> <p>Record details of duration if considered important for identification or selection. When including terms designating units of time, record the terms as instructed in appendix B (B.5.3).</p>	<p>7.22.1.5 Details of Duration</p> <p>Record details of duration if considered important for identification or selection. When including terms designating units of time, record the terms as instructed in appendix B (B.5.3).</p>
<p>EXAMPLE</p> <p>Duration given as 155 min. on container Duration stated on resource that has an actual duration of 113 min.</p> <p>Total duration: 2 hr., 10 min., 5 sec. Total duration of a compilation of 10 songs</p>	<p>EXAMPLE</p> <p>With tracks every 3 min. for easy bookmarking</p> <p>A-side: 4:20; B-side: 4:03</p> <p>16:00 per audio cylinder Duration of each cylinder in a set of 31 audio cylinders</p> <p>Running time given as 155 min. on container Duration stated on resource that has an actual duration of 113 min.</p> <p>Total track time: 2 hr., 10 min., 5 sec. An audiocassette with 10 songs and 8 tracks</p>

Each film reel has a running time of approximately 0.25 hr.
A moving image resource with multiple film reels