

TO: ALA/ALCTS/CaMMS Committee on Cataloging: Description and Access
FROM: Kelley McGrath, OLAC Liaison to CC:DA
SUBJECT: Revision of RDA 3.19.3 for video encoding formats and introduction of new instruction for optical disc characteristics

Background and Rationale

Online Audiovisual Catalogers (OLAC) proposes the revisions listed below to the list of digital video encoding formats in 3.19.3.

We also propose the addition of a new instruction to accommodate information about optical disc characteristics, including the type of storage format (e.g., DVD, CD), the method of getting data on the disc (replication or recording/duplication) and the specific type of recordable or duplicated disc, such as CD-RW or DVD-R. DVD-R, which is currently incorrectly listed under digital video encoding formats, should be moved to this new instruction.

Insufficient specificity and minor spelling suggestions

In the current list of video encoding formats, Blu-ray and HD-DVD are insufficiently specific. Many types of data can be recorded on Blu-ray and HD-DVD discs. It is important to be clear that the data elements in this category refer to specific application formats, e.g., Blu-ray discs that are encoded with video that will play in a stand-alone Blu-ray player or with a Blu-ray software player. Blu-ray as a video encoding format should not be applied to QuickTime videos stored on a Blu-ray disc.

Windows Media Video should also be fully named to distinguish it from Windows Media Audio and to reflect the official name of the format.

The JSC secretary has been asked to correct the spelling of Blu-Ray to Blu-ray and Quicktime to QuickTime as typos since these are both trademarked terms. RDA should reflect the official name and usage.

Addition of new term

Flash Video is a major means of delivering video content over the Internet and we believe it should be added to the current list. According to Wikipedia “Flash Video has been accepted as the default online video format by many sites. Notable users of it include YouTube, Hulu, VEVO, Yahoo! Video, metacafe, Reuters.com, and many other news providers.”

(http://en.wikipedia.org/wiki/Flash_video)

Inappropriate term in list and creation of new instruction with related lists

DVD-R is not a type of digital video encoding format. DVD-R is a physical type of DVD disc onto which content can be recorded using a DVD drive with a writing laser that acts on a layer of

dye within the disc. We propose that it be removed from the digital video encoding format list and recorded under another, new instruction.

DVD-R is often seen in the system requirements note of AACR2 records when DVD video is recorded onto a DVD-R disc. This is important to users because some DVD players and drives, especially older models, will not read some or all DVD-R or other recordable DVD discs. Analogously, other recordable optical discs, especially rewritable discs, may not be readable in all devices. Therefore, it is important to warn users if an optical disc is recordable since they may experience problems using such discs.

In order to accommodate DVD-R in the context of RDA, it became clear that we need to identify characteristics of optical discs at several levels. At the most general level, we need to identify the type of data storage format or the general type of disc, such as CD, DVD or Blu-ray. This refers to a physical type of optical disc with a pits and lands of a certain size arranged in a certain pattern that need to be read by a certain wavelength of laser.

In addition to this, we need to distinguish the broad categories of (1) prerecorded or replicated discs, which are mass-produced from glass masters and reliably play in all types of players, and (2) recordable or duplicated discs, which are produced by using a laser to write on a layer of dye or metal alloy within the disc. In many cases, recordable discs are easily identified by examination of the bottom of the disc.

Finally, if it is known and considered important, the particular type of recordable disc, such as DVD-R, should be recorded. This may appear on the disc label or can usually be definitively determined with appropriate software, such as KProbe (<http://www.k-probe.com/>).

1. RDA 3.19.3.3

Proposed revision:

3.19.3.3 Recording Encoding Format

Record the encoding format if it can be readily ascertained and is considered important for identification or selection, using one or more appropriate terms from the list below. Some formats (e.g., XML) apply to more than one category.

[lists of terms for other categories omitted; no change]

Video encoding formats

~~Blu-Ray~~ Blu-ray video

~~DVD-R~~

DVD video

Flash Video

HD-DVD video

MPEG-4

~~Quicktime~~ QuickTime

RealVideo

SVCD

VCD

Windows media Media Video

[examples and additional instructions omitted; no change]

Clean copy:

3.19.3.3 Recording Encoding Format

Record the encoding format if it can be readily ascertained and is considered important for identification or selection, using one or more appropriate terms from the list below. Some formats (e.g., XML) apply to more than one category.

[lists of terms for other categories omitted; no change]

Video encoding formats

Blu-ray video

DVD video

Flash Video

HD-DVD video

MPEG-4

QuickTime

RealVideo

SVCD

VCD

Windows Media Video

[examples and additional instructions omitted; no change]

2. RDA 3.x

Proposed new instruction:

3.X Optical Disc Characteristic

3.X.1 Basic Instructions on Recording Optical Disc Characteristics

3.X.1.1 Scope

An **optical disc characteristic** ▼ is a technical specification relating to the encoding of digital content on an optical disc.

Optical disc characteristics include optical disc storage format and optical disc recording type.

3.X.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 optical disc characteristics of the resource. If desired, take additional evidence from any source.

3.X.1.3 Recording Optical Disc Characteristics

Record the following optical disc characteristics, as applicable to the resource, if they are considered important for identification or selection:

- a) optical disc storage format (see [3.X.2](#))
- b) optical disc recording type (see [3.X.3](#)).

3.X.2 Optical Disc Storage Format

3.X.2.1 Scope

Optical disc storage format ▼ is the set of standards that describe the way that content is stored on and read from an optical disc, including storage capacity, laser wavelength used for reading the disc, and the size and arrangement of pits and lands on the disc.

3.X.2.2 Sources of Information

Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording the optical disc storage format. If desired, take additional evidence from any source.

3.X.2.3 Recording Optical Disc Storage Format

Record the optical disc storage format if it can be readily ascertained and is considered important for identification or selection, using an appropriate term from the list below.

- Blu-ray
- CD
- DVD
- HD-DVD
- Nintendo optical disc

If none of the terms listed above is appropriate, use a term designating the optical disc storage format as concisely as possible.

3.X.3 Optical Disc Recording Type

3.X.3.1 Scope

Optical disc recording type▼ is the method used to record data on an optical disc.

3.X.3.2 Sources of Information

Use evidence presented by the resource itself (or on any accompanying material or container) as the basis for recording the optical disc recording type. If desired, take additional evidence from any source.

3.X.3.3 Recording Optical Disc Recording Type

Record the optical disc recording type if it can be readily ascertained and is considered important for identification or selection, using an appropriate term from the list below.

replicated disc

recordable disc

3.X.3.4 Details of Optical Disc Recording Type

In addition, record the specific type of recordable disc if considered important for identification or selection, using an appropriate term from the list below.

BD-R

BD-RE

CD-R

CD-RW

DVD+R

DVD+RW

DVD-R

DVD-RAM

DVD-RW

If none of the terms listed above is appropriate or sufficiently specific, use a term designating the details of the optical disc data recording type as concisely as possible.

3. RDA Glossary

Proposed additions:

Burned Disc	Recordable Disc▼
Duplicated Disc	Recordable Disc▼
Optical Disc Characteristic	A technical specification relating to the encoding of digital content on an optical disc. Includes optical disc storage format and optical disc recording type.
Optical Disc Recording Type	The method used to record data on an optical disc.
Optical Disc Storage Format	The set of standards that describe the way that content is stored on and read from an optical disc, including storage capacity, laser wavelength used for reading the disc, and the size and arrangement of pits and lands on the disc.
Prerecorded Disc	Replicated Disc▼
Pressed Disc	Replicated Disc▼
Recordable Disc	A disc containing data that is encoded by a writing laser, usually in a disc drive, that targets a layer made of dye or a metal alloy on the disc. Use for both record once and rewriteable discs. Also known as <i>duplicated, recorded, or burned discs</i> .
Recorded Disc	Recordable Disc▼
Replicated Disc	A disc that is mass-produced by a machine that uses a glass mold and stamping process to produce pits and lands. These discs contain prerecorded content that is not recordable or writeable by the consumer. Also known as <i>prerecorded, pressed, or stamped discs</i> .
Stamped Disc	Replicated Disc▼