

To: Joint Steering Committee for Development of RDA
From: Barbara Tillett, LC Representative
Subject: Revision of RDA 3.19.3 for video encoding formats and addition of a new element for optical disc characteristics

LC thanks ALA (and OLAC) for their research into video encoding formats; our moving image cataloging specialists are in favor of the proposal. LC specialists dealing with audio recordings also reviewed the proposal, and as a result request an additional term to be added. LC has several possible revisions to the glossary definitions, mindful that there may also be revisions to meet currently acceptable styles for glossary and vocabulary terms being discussed by the JSC in the context of the vocabulary registration exercise. LC remains concerned about developing and maintaining extensive vocabularies internal to RDA itself, rather than adopting other well-accepted vocabularies, although we see no alternative in this case. LC also suggests the proposed instructions for 3.20 should be addressed under the 3.19 instructions (Digital File Characteristics) rather than in a separate section of Chapter 3.

New term for the “Audio encoding format” list:

Blu-ray audio

Proposed revisions to definitions (definitions not mentioned are fine as is):

BD-R	Blu-ray Disc Recordable; a type of recordable Blu-ray Disc that can only be written to <u>only</u> once.
BD-RE	Blu-ray Disc Recordable Erasable; a type of recordable Blu-ray Disc that can be <u>repeatedly</u> written to, erased, and re-recorded multiple times .
Blu-ray Disc	A plastic optical disc storage medium that is 1.2 mm thick and usually 120 mm in diameter, which was officially released in 2006 . Blu-ray discs are read with a 405 nm diode blue laser at 36 Mbits/s (1×). Disc capacities are 25 GB for single-layer discs, 50 GB for double-layer discs; and the specification leaves room for more layers in the future.
CD	Compact disc; a plastic optical disc storage medium that is 1.2 mm thick and usually 120 mm in diameter, which first became commercially available in October 1982 . CDs are read with a 780 nm wavelength (infrared and red edge) semiconductor laser at 1200

Kb/s (1×). Disc capacity is typically up to 700 MB or 80 minutes of audio.

CD-R	Compact Disc-Recordable; a type of recordable CD that can only be written to <u>only</u> once.
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CD-RW	Compact Disc-ReWritable; a type of recordable CD that can be <u>repeatedly</u> written to, erased, and re-recorded multiple times .
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DVD	A plastic optical disc storage medium that is 1.2 mm thick and usually 120 mm in diameter invented in 1995 and became commercially available in Japan in November 1996, the U.S. in March 1997, and later in other countries. DVDs are read with a 650 nm laser at 10.5 Mbit/s (1×). Disc capacities range from 4.7 GB (single-sided, single layer) to 17.08 GB (double-sided, double-layer).
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DVD+R	A type of recordable DVD that can only be written to <u>only</u> once.
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DVD+RW	A type of recordable DVD that can be <u>repeatedly</u> written to, erased, and re-recorded multiple times .
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DVD-R	A type of recordable DVD that can only be written to <u>only</u> once.
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DVD-RAM	DVD-Random Access Memory; a type of recordable DVD that can be <u>repeatedly</u> written to, erased, and re-recorded multiple times .
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DVD-RW	A type of recordable DVD that can be repeatedly written to, erased, and re-recorded multiple times .
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HD-DVD	High-Definition/Density DVD; a plastic optical disc storage medium that is 1.2 mm thick and usually 120 mm in diameter, which became commercially available in 2006. HD-DVDs are read with a 405 nm laser at 36 Mbit/s (1×). Disc capacities are 15 GB for single-layer discs and 30 GB for double-layer discs. Support for HD-DVD was discontinued in 2008.
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Nintendo Optical Disc	A plastic optical disc storage medium used to distribute video games released by Nintendo, including the Nintendo GameCube Game Disc, Wii Optical Disc, and Wii U Optical Disc. <u>The discs</u> They range in diameter from 80-120 mm and disc capacities range from 1.4 GB to 25 GB per layer.
Optical Disc Characteristic	A technical specification relating to the encoding of digital content on an optical disc. <u>Optical Disc Characteristic</u> includes optical disc storage medium and optical disc recording type.
Optical Disc Storage Medium	The set of technical specifications 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.
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. <u>Recordable Disc includes</u> Use for both record once and rewriteable discs. Also known as <i>duplicated, recorded, or burned discs</i> .
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> .