Guide to Cataloging DVD and Blu-ray Discs Using AACR2r and MARC 21

2008 Update

Draft

Created by the DVD Cataloging Guide Update
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Acknowledgements

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I.   Introduction

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Purpose and Scope
This guide is intended as an update to the 2002 *Guide to Cataloging DVDs Using AACR2r Chapters 7 and 9* created by the DVD Cataloging Task Force of OLAC. The update incorporates rule changes and interpretations that resulted from the 2004 Amendments for Chapters 7 and 9 of *Anglo-American Cataloguing Rules (AACR2)* and expands the discussion of formats to include DVD-Audio, Blu-ray, and DualDiscs. The information and cataloging examples presented should help clarify principles and rules used in cataloging various types of DVD formats.

The Introduction provides a general overview of DVD technology, includes a brief history, compares DVD with compact disc (CD) technology, and explores new developments in the DVD arena and the impact of this technology on the consumer. Other sections discuss cataloging DVD-Video, Blu-ray Discs, DVD-Audio, Dual Discs, and DVD-ROM formats. Each section includes examples that reflect the principles as described in this guide. The examples appear in standard MARC format but also include an additional illustration of the fixed field in mnemonic form and tag 007 displayed with subfields. The examples feature descriptive cataloging practice and do not include subject headings or added entries. The guide concludes with a list of resources helpful in writing this update.

History
The DVD was first developed in 1995 through a consortium of ten companies: Hitachi, JVC, Matsushita, Mitsubishi, Philips, Pioneer, Sony, Thomson, Time Warner, and Toshiba. These companies formed the DVD Consortium, which in April 1997 became the DVD Forum. The mission of the forum is to promote the worldwide acceptance of DVD products across the entertainment, consumer electronics, and information technology industries. Currently, the DVD Forum has over 220 companies and organizations that are engaged in DVD research, development, and/or manufacturing. Although DVD once stood for "Digital Video Disc" or "Digital Versatile Disc," DVD now simply stands for DVD.

DVD vs. CD
Visually, the DVD is indistinguishable from an audio CD or CD-ROM. Both the DVD and CD consist of 12 cm (4 ¾ in.) diameter discs containing billions of tiny pits (non-reflective holes) and lands (reflective bumps) arranged in one long spiral track. These pits and lands represent the zeros and ones of digital information and are read by a laser. The main differences are that a DVD's pits and lands are shorter and narrower

than those of a CD and that the DVD's laser also has a shorter wavelength. In terms of storage, this means that a DVD can hold 4.7 billion bytes of information -- seven times the informational capacity of a standard CD. A DVD can also hold two information layers on one side which roughly increases its storage to 9 gigabytes. Unlike the CD, a DVD can also hold information on both sides of a single disc. A DVD is essentially a bigger, faster CD that can hold cinema-like video and better-than-CD audio as well as still photos and computer data.

CDs and DVDs consist of the same basic materials and layers but are manufactured differently. A DVD is actually like two thin CDs glued together. A CD is read from and written to (by laser) on one side only; a DVD can be read from or written to on one or both sides. A DVD currently has a disc capacity anywhere from 4.7 GB (single sided single layer) to 17 GB (double sided dual layer).

New Formats
New formats include the high density format DVD, specifically the Blu-ray Disc developed by Sony/Philips in February 2002, and the HD DVD developed by Toshiba in March 2003. Both high density discs use blue laser technology. However, Toshiba announced in February 2008 that it "will no longer develop, manufacture and market HD DVD players and recorders. This decision has been made following recent major changes in the market." (Businesswire.com).

Following the decision by Toshiba, it was apparent that the Blu-ray Disc had emerged as the industry standard for high density discs. Just as the DVD Forum comprises companies that are interested in the development of the DVD, the Blu-ray Disc Association is the larger group that is open to new member companies. The website indicates that the Association is a "group of companies dedicated to developing and promoting the Blu-ray Disc format."

Maxell added another format to disc development and announced plans to feature its Holographic Versatile Storage Disc (HVD) at the National Association of Broadcasters Convention in October 2006. This holographic disc, developed in collaboration with InPhase Technologies, is designed to hold "800 GB and 1.6 TB of data respectively. <http://www.emedia.live.com/Articles/ReadArticle.aspx?ArticleID=11977>.

DVD Types
DVDs can be described by their *physical format* (such as DVD-ROM and DVD-R) or their *application format* (such as DVD-Video). For example, DVD-ROM is the base format that holds data, but DVD-Video defines how video programs, such as movies, are stored on the disc. <www.copy-cd.biz/info/dvd-reproduction-faq.jsp>

A. Physical Formats

- BD (Blu-ray Disc) -- the overall format family

- BD-RE (Blu-ray Disc Rewritable) -- initial physical disc format created by the Blu-ray Disc Founders, spearheaded by Sony, Philips and Panasonic

- BD-R (Blu-ray Disc Recordable) -- record-once version of Blu-ray Discs

- BD-ROM (Blu-ray Disc Read-Only Memory) – read-only version of Blu-ray Discs

- DVD-R (DVD-Recordable) — A write-once data storage disc that is similar to CD-Rs. It can record around 4.7 gigabytes and is used mainly for the archiving of information and the storage of video recordings. DVD-R, developed from a dye application process, has a clear inner ring around the hub of the disc with a dark purple/blue/grey back as opposed to silver color.

- DVD-RAM (DVD-Re-writable) — An erasable, re-recordable version of the DVD-ROM. Provides random access to its 4.7 gigabytes of recorded information and is best suited for use in computers. DVD-RAM discs may be rewritten some 100,000 times. DVD-RAM discs may not be compatible with many DVD players and drives.

- DVD-ROM — Equivalent to the CD-ROM. A commercially produced read-only disc containing computer programs, data or both. Can hold anywhere between 4.7 and 17 gigabytes of information.

- DVD-RW (DVD-Re-writable) — A re-writable version of the DVD-R that is compatible with most DVD video players. It can record sequentially almost 4.7 gigabytes of data and can be rewritten about 1,000 times.

- DVD+RW (DVD-Re-writable) — Competing standard to DVD-RAM and DVD-RW developed by Sony, Philips and Hewlett-Packard. It also sequentially records almost 4.7 gigabytes of data and can be rewritten some 1,000 times. DVD-RAMs, DVD-RWs, and DVD+RWs are incompatible with each other but compatible with most DVD players and computer DVD-ROM drives.

- HVD – Holographic versatile storage disc developed by Maxell and InPhase Technologies that uses red and green lasers to record data with the ability to store massive amounts of data

B. Application Formats

- DVD-A (DVD-Audio) — Equivalent to a standard audio CD which uses Pulse Code Modulation (PCM) for recording sound, except that it holds some seven times the information of a regular CD.

- DVD-V (DVD-Video) — What most people think of when referring to the DVD. Usually used to store video recordings.

- SACD (Super Audio CD) — Competing audio standard to DVD-A that utilizes Direct Stream Digital (DSD) recording technology instead of Pulse Code Modulation.

Duplication or Replication

Duplication and replication are two common ways to make copies of DVDs. Cheap, low-volume (fewer than a few hundred copies) productions can be *duplicated* on recordable discs, whereas high-volume, mass-market products such as movies must be *replicated* in specialized factories. Duplication refers to recording, i.e., burning data to a disc (as you would do with your own computer). It is fairly easy to tell if a DVD has been duplicated because it will have a purple or brown colored bottom side. In addition, a duplicated disc holds only 4.7 GB per recorded side, while a replicated DVD supports up to 17 GB of recorded data.

Replication (also referred to as "pressing" or "molding") is the method of manufacturing or mass producing DVDs where the data or audio information is physically stamped on the discs. Replicated discs are like the audio discs you buy at the music store and have a silver look to them.

Future Developments in DVD Technology

The DVD Forum announced in 2005 that it had approved specifications for "DVD Multi," a set of hardware specifications designed to enable disc compatibility for virtually all formats officially created by the DVD Forum. Players with the Multi logo would be compatible for all discs including DVD-RAM and DVD-RW and recorders with the logo would have the capability to write to all the formats.

The developers of the holographic disc continue to emphasize the superior storage capability of the format. The intended market for this format is considered to be companies who need the high storage capacity of the holographic disc. "One 5 ¼ inch-diameter optical disc can store up to 150 million pages – more than 63 times the capacity of DVD. Also, with holographic recording, a multiple of form factors, such as discs, cards, etc. and laser wavelengths (red, green, and blue) can be used." <http://www.newlaunches.com/archives/maxell_launches_holographic_storage_16_tb_at_120_mbps.php>

Several quotes from *DVD Demystified* (3rd ed.), speak to the future of DVD technology. The author's insights and projections are particularly relevant. "In the very long term, the Internet will merge with cable TV, broadcast TV, radio, telephones, satellites, and eventually even newspapers and magazines. Discrete media such as DVD will then be relegated to niches such as software backups, archiving, time-shift 'taping,' and

collector's editions of movies. In the intervening years, however, DVD in all its permutations and generations promises to be the definitive medium for both computers and home entertainment." (p. 17-16)

II.   Cataloging DVD-Video and Blu-ray Discs

By Nancy Olson;
updated by Marcia Barrett, Kelly Chambers, Lloyd Chittenden, and Lori Murphy

This section addresses cataloging commercially available DVD-Video (both standard and high definition) containing film material and television programs, using the rules found in AACR2 Chapter 7 (Motion Pictures and Videorecordings) and *MARC 21 Format for Bibliographical Data*.

General Comments on DVD-Video

Most commercially available DVD-Videos contain movies or television programs. For many commercially produced DVD-Videos, a menu comes up from which the user makes choices as to what version to run -- the language or audio configuration that is preferred by the viewer or may be most compatible with the user's existing home system. Many DVD-Videos also contain additional features such as additional language tracks, interviews with participants in the original production, outtakes from the original filming, etc.

Cataloging a DVD-Video is no different from cataloging any other manifestation of a film or video throughout most of the bibliographic record. There are, however, some special features that must be accounted for. The special features mentioned in the notes area are those that seem most important.

Information that may be ignored because it is standard on all DVDs:
- Interactive menu
- Scene access
- Scene selection

Other special features that may be ignored (though one may want to mention them):
- Advertisements
- Preview/trailers

Types of DVDs

A. Enhanced DVDs

Enhanced DVDs contain additional material requiring the use of a computer. These carry a statement listing the equipment required to run the bonus materials. Enhanced DVDs should be treated in the same manner as enhanced CDs, where one or two

tracks of a CD contain computer-required information. The predominant component of an enhanced DVD is the film itself. Therefore one should catalog enhanced DVDs as videos. Some of the listed features found on an enhanced DVD that might require a computer are: computer games, links to fan sites, links to online documentaries and chat rooms, desktop icons, calculator, screensavers and poster sets.

B. High Definition DVDs (Blu-ray Discs)

Two rival incompatible high-definition formats – Blu-ray and HD DVD – have been competing to become the replacement for the current standard-definition DVDs that most of us have in our collections. As of this writing, Blu-ray has emerged on top as the new standard. Library patrons and consumers will need a Blu-ray player in order to view this new format.

Blu-ray uses a blue-violet laser that has a shorter wavelength than the standard DVD's red laser. This shorter wavelength allows data to be stored in a smaller space, fitting more data on the disc itself. The dual layer Blu-ray disc can contain over 9 hours of high-definition video or about 23 hours of standard-definition video on a 50GB disc.

Backwards compatibility is just one worry for both libraries and consumers with extensive standard-definition DVD collections. Blu-ray manufacturers claim that traditional standard-definition DVDs and most CDs will be compatible with these new machines and consumers need not worry that an existing collection will soon become obsolete. The primary impact of this new format for librarians will be making sure patrons understand the special equipment requirements for Blu-ray as well as making sure catalog records clearly state this to patrons.

Chief Source of Information

The chief source of information for DVD-Videos, in order of preference, is:

- the item itself -- the title frames and credits
- the container and container labels, if an integral part of the piece -- the disc

Alternate sources of information, in order of preference, are:

- accompanying textual material
- the container, if not an integral part of the piece (disc container)
- other sources

DVDs should always be cataloged from the title screen(s) whenever possible. If information is not present on the title screen(s) or credits, prefer information from the disc itself.

Please note -- some catalogers, for varying reasons, may not catalog using the information from the title screen but may create records solely using the information

provided on the container or elsewhere. This is commonly referred to as "container cataloging" and should be noted in the record in a 500 field. The note may read something like this:

> 500   Title from container.

Leader
The leader/06 (type of record) character position should be coded "g" for projected medium.

Enhanced DVD-Videos that contain additional computer-oriented bonus materials should be treated as video recordings and coded "g."

008 Fixed-length Data Elements – Type of Date Code
If a DVD contains the same material as the original motion picture from which it was copied and nothing significant has been added or changed, the MARC 21 fixed field 008, byte 6, (OCLC Date type), is to be coded "p" (distribution/ production date) because the content is identical to that of the original work, but the medium is different (from film to video). The addition of trailers, biographical notes, or other minor features is not considered a significant change. Date 1 should be the date used in the 260 field (date of the DVD); date 2 is the date of original release of the movie, given in a 500 note.

If there is a change in content, then the item is to be treated as a new work, and MARC 21 fixed field 008, byte 6, is coded "s". This change in content may include anything from the addition of closed-captioning or a director's cut of the film to the addition of the many special features that are typically found on a DVD.

Be aware that not all DVDs will automatically be coded as new works, because there are some items to which nothing significant has been added to the original content.

Date type "r" is used only when something is reissued in the same medium with no change in content, so this would not apply to any DVD made from a motion picture or television program, whether or not the content had changed.

006   Fixed-length Data Elements -- Additional Material Characteristics
This field is used to code for characteristics that cannot be coded in the fixed field. Use field 006 to code for the computer-related information of an enhanced DVD-Video. The category of material should be coded "m" for electronic resource. Code other values as appropriate.

007   Fixed-length Data Elements -- Physical Characteristics
This field is used to identify the physical characteristics of the DVD-Video in coded form. DVD-Videos should be coded in the following manner:

007/00 (OCLC $a)	v (video recording) for category of material	
007/01 (OCLC $b)	d (videodisc) for specific material designation	
007/04 (OCLC $e)	v (DVD) for video recording format	
	z (Other – use for Blu-ray)	
007/05 (OCLC $f)	a (sound on medium) sound on same medium as film	
007/06 (OCLC $g)	i (videodisc) for medium for sound	
007/07 (OCLC $h)	z (other) for dimensions	

Codes for configuration of playback channels (007/08 or OCLC subfield i) are "m" for mono sound, "s" for stereo sound, "q" for four or more channels, and "k" for mixed configuration. DVD-Videos are frequently coded "k" because it is common to have a stereo track and a surround sound track. Often, the foreign language tracks will be in stereo while the English tracks are in surround sound.

Color characteristics (007/03 or OCLC subfield d) should be coded as appropriate for the item in hand.

MARC 21 field 007/04 (video recording format) was given a new value of "v" for DVD. This change was approved during the ALA 2001 annual conference. The value "g" was changed to designate laserdisc. Be aware that older DVD records may reflect the "g" in byte 4.

An additional 007 field coded for electronic resource should be included for enhanced DVD-Videos.

041 Language Code
DVD-Videos frequently contain multiple types of language information – closed-captioning, subtitles, dubbed soundtracks. MARC 21 field 041 is used to code for languages associated with an item which cannot be fully conveyed by the fixed field element for language (three-character code in the 008/35-37).   Field 041 codes are used in conjunction with field 546, where language notes are recorded in free text.

Although not in final form, useful guidance for coding the 041 along with examples can be found in the OLAC CAPC Video Language Coding Best Practices Task Force *Draft Recommendations*. <http://ublib.buffalo.edu/libraries/units/cts/olac/capc/langcode.html> The Task Force has made the following recommendations for the 041:

Code for the language(s) of the main content, including

- Spoken language
- Written language (including subtitles, captions, and intertitles)
- Original language

Do not code for language(s) of special features, credits, or packaging

Language(s) of accompanying material should be mentioned in a note if this information is considered important; coding for accompanying material is at the discretion of the cataloger.

The practice of coding subtitles and captions in the 041 is changing as of the writing of this document. In October of 2007, the new subfield (j) was defined for coding subtitles and captions, and it replaces subfield (b) for that purpose. Use of the new subfield (j) is currently authorized but may not yet be implemented, depending upon the cataloging service used. Catalogers should be aware of this change to the 041 field and watch for announcements of implementation.

Example following new practice: A Japanese language film with English dubbed alternative soundtrack, and English or Spanish subtitles

> 008/lang jpn
> 041 1 $a jpn $a eng $j eng $j spa $h jpn
> 546   Japanese or English soundtracks with English or Spanish subtitles.

The same film coded following previous practice:

> 008/lang jpn
> 041 1 $a jpn $a eng $b eng $b spa $h jpn
> 546   Japanese or English soundtracks with English or Spanish subtitles.

Title and Statement of Responsibility Area
Transcribe the title information and statement of responsibility from the chief source of information. Introductory phrases such as "MGM presents …" are not considered part of the title.

As instructed in AACR2 7.1F1, limit statements of responsibility to those credited in the chief source as having a *major role* in *creating* the film (e.g., producer, director, writer, animator). The "rule of three" applies here (1.1F5); if more than three persons or bodies perform the same function, omit all but the first.

Maxwell's Handbook for AACR2 provides additional guidance in determining the individuals/bodies to credit in the statement of responsibility and the individuals/bodies to transcribe in other areas of the bibliographic description. Maxwell explains the three types of activities that may be involved in the creation of a motion picture:

> (1) The sponsor has a "primary role that often includes promoting the initial idea of the film, financing the production, and arranging for production."

(2) The producer or production company "is responsible for the mechanics of making the motion picture."

(3) The releasing agent or distributor "issues the completed motion picture to the public." (p. 201)

Sponsors and producers/production companies are given in the statement of responsibility, provided the name(s) appear(s) in the chief source of information. Sponsors and producers/production companies are assumed to have a "type of author-creator responsibility."   If such names are not listed in the chief source and their relationship to the film is considered important, give this information in a note. (p. 202)

The releasing agent/distributor is given in the publication/distribution area.

Give all other statements of responsibility, including those related to performance, in notes.

The GMD for DVD-Videos is [videorecording].

> 245 00 $a Wiggles. $p Racing to the rainbow $h [videorecording] / $c Hit Entertainment.

> 245 14 $a The Joy Luck Club $h [videorecording] / $c Hollywood Pictures ; screenplay by Ronald Bass & Amy Tan ; produced by Wayne Wang … [et al.] ; directed by Wayne Wang.

> 245 14 $a The Sopranos. $n Season six. $n Part 2 $h [videorecording] / $created by David Chase ; Chase Films, Brad Grey Television ; a presentation of Home Box Office.

Give any variations in the title as appropriate.

> 245 00 $a 27 dresses $h [videorecording]
> 246 3 $a Twenty-seven dresses

> 245 00 $a There goes the neighborhood $h [videorecording]
> 246 1 $i Title on container: $a Urban gentrification

> 245 00 $a That darn cat! $h [videorecording]
> 246 1 $i At head of title: $a Walt Disney Pictures presents

Edition Area
Many film titles are or have been available in multiple manifestations (film, Beta, VHS, laser disc, standard DVD, Blu-ray, differing publishers) or expressions (including different or extra material such as deleted scenes, featurettes, widescreen, language

tracks, or closed captioning). The edition statement in the 250 field is used to distinguish these various versions.

The item may carry a banner across the container saying, "Special Edition" or be otherwise identified on the disc or packaging. Such statements are usually transcribed in the 250 field. Statements that distinguish one manifestation or expression from another should be treated as edition statements, whether they carry the word "edition" or not. If there is no edition statement to transcribe, the cataloger may supply one in square brackets such as: [Blu-ray version].

Examples of edition statements include:

> 250   Special ed.
>
> 250   Widescreen version
>
> 250   Standard version
>
> 250   Blu-ray version
>
> 250   Director's cut
>
> 250   Extended version

Sometimes such a statement describes an item, but there is no other version from which to distinguish it. For example, if a disc is released only in full-screen version it would not make sense to put full-screen in the 250. The movie "It happened one night" was filmed in 1.37:1 aspect ratio, so there are only full-screen releases. The box might read "full-screen," but it is not an edition statement in this case and would be entered in a 500 note rather than the 250 field. This applies to any information that does not distinguish manifestations or expressions.

However, if a title has been known to be issued in multiple versions, then that information should be given in the 250 field, even if the cataloger has to supply the text in square brackets.

Be careful to distinguish between edition statements related to the item in hand and series statements relating to the item as part of a publisher's collection. See the Series Area section for examples of series statements.

Publication, Distribution, etc. Area -- Dates in Field 260
Some DVDs have a copyright date on the printed disc surface that represents the date the item was published; this date is recorded in MARC 21 field 260, just as found (with the copyright symbol).

If there is no copyright date on the disc surface, look for the latest date of those that may be printed on the back of the container [copyright date for cover design, etc.], and use this latest date as the assumed date of publication. Record this date in brackets and without the copyright symbol because it is an assumed date. Copyright renewal dates are ignored according to *Library of Congress Rule Interpretation* (*LCRI*) 1.4F6.

Series Area
Some phrases that would be used as series statements:

440 _0 Five star collection

440 _0 James Bond collection

440 _0 Star trek next generation movie collection

440 _0 New line platinum series

440 _0 Criterion collection

830 _0 Criterion collection (DVD videodiscs)

Physical Description Area – Extent of Item

A. SMD
Use "videodisc" as the specific material designation (SMD) in the 300 field subfield (a). It is recommended that a 538 note be given stating the item is a DVD.

300   1 videodisc (66 min.) : sd., col. ; 4 3/4 in. + $e 1 booklet ([10] p. : col. ill. ; 20 cm.)

Notes used with the above example would include:

538   DVD.
500   Booklet features pieces by critic David Ehrenstein, screenwriter David Sherwin and director Lindsay Anderson.

[AACR2r 7.7B11, accompanying material note]

Optionally, rule 6.5B1 allows catalogers to use conventional terminology such as "DVD" in the specific material designation area (SMD) of the 300 field subfield (a).

300   1 DVD (102 min.) : sd., b&w ; 4 3/4 in.

Note -- records contributed to OCLC should contain standard terminology for the SMD, as the option for rule 6.5B1 is not allowed.

B. Time
The time given in subfield (a) of MARC 21 field 300 and recorded in the appropriate fixed field should be the time of the title recorded in field 245. Areas 1 through 6 of the bibliographic record refer to the title being cataloged, not to the special material. Times of supplementary material and/or special features may be given in the notes relating to that material or those features.

The running time may be taken from any source, including the container. Playing the video to verify the stated running time is recommended. Should the stated running time conflict with the actual running time, give the actual running time in the fixed field and physical description area and make a note about the stated running time.

> 500   Duration state on container: 56 min.

Notes Area

A. Introduction
Information for notes is often taken from the container as there is a great deal of information on the containers of most DVDs. It is advisable to use information exactly as stated on the item and to include any information considered important in the bibliographic record.

Notes are given in AACR order; however, consider giving the System details note first if it is considered to be of primary importance (permissible according to AACR 7.7B). Combine into one note information that would otherwise appear in two or more short notes as is permitted in AACR 1.7A5. Examples are shown in some of the following sections.

B. Languages
DVD-Videos may have only the soundtrack from the original film. In this case, a language note is made only if the language of the content is not apparent from the rest of the bibliographic description.

> 546   In French

More often though, closed-captioning, one or more additional soundtracks, and/or subtitles in one or more languages have been added. In any such case, language notes are needed.

Information about languages can be found on the container or a menu from the screen display. Languages are described in MARC 21 field 546 and coded in field 041.

Subtitles

The purpose of subtitles is to provide a translation of the soundtrack for non-native language speakers. Subtitles assume the listener can hear the audio, thus include only a translation of the dialog or phrases summarizing the dialog.

> 546   Soundtracks for the feature film in English, Spanish, and French, with optional subtitles in each language.

Captioning

Captioning serves a wider purpose and includes not only a translation of the dialog but also descriptions of sound effects, musical notes when there is music, and any other sounds that would be missed by someone who cannot hear the audio. Closed captions, utilized in most DVD-Videos, are not visible unless the viewer activates them via a remote or menu screen. Open captions are always visible.

When the container or DVD insert shows the following symbol, the DVD is closed-captioned:

Captioning information is entered in the 546 field.

> 546   Closed-captioned.

Be aware that captioning may not extend to special features. *Optionally,* indicate in the language note not only the presence of closed-captioning but also which items on the DVD carry this closed-captioning.

> 546   Closed-captioned. In English with optional subtitles in English and Spanish (feature film only).

[AACR2r 7.7B2, language]

Comment: In this example, the captioning information is combined with other language information.

Closed-captioning data is decoded by the viewer's home system. Occasionally, a DVD will include closed captions that work only on the captioning decoder in a television; the captions will not display on a computer monitor. If the container states the DVD is captioned but the captions do not display on the computer DVD player, try the disc on a DVD player that displays on a television. If the

captions do display on the television, this should be noted in the record. If the captions do not display at all, the inaccuracy on the box should be noted.

> 500   Container has symbol for closed captioning, however, video does not have captions.

> 500   Edited version does not include closed-captioning, French language soundtrack, and special features as stated on container.

Subtitles for the Deaf and Hard of Hearing (SDH)

SDH is the acronym for "Subtitles for the deaf and hard-of-hearing" and refers to regular subtitles in the original language where important non-dialog audio has been added, as well as speaker identification which is useful when the viewer cannot otherwise visually tell which dialog is being spoken by a particular onscreen character or person.

Appearance is the only significant difference for the user between SDH subtitles and standard closed captioning. The SDH subtitles usually are displayed with the same proportional font used for the translation subtitles on the DVD. Closed captions are displayed as white text on a black band, which blocks a large portion of the action onscreen.

> 546   In English with optional Spanish and French; with optional subtitles for the deaf and hearing impaired (SDH).

Audio Description / Descriptive Video Captioning
Although not common, some materials include Descriptive Video Captioning (DVC) which provides an audio description of the action onscreen for the visually impaired. The description is done in such a manner as not to interfere with the spoken dialog. <http://www.dvdfile.com/site/faq/caption_guide/>
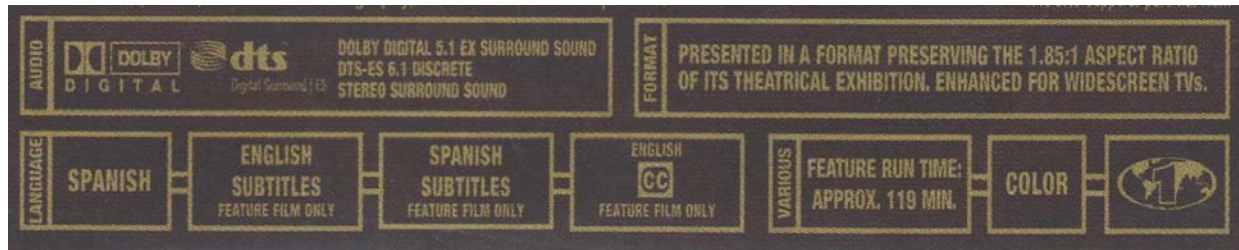
> 546   Audio described.

Chart of Information on Container
Some publishers use a chart for language, sound, and other information on the back of the container.

LANGUAGES	ENGLISH, FRENCH 5.1 (Dolby Digital)				1.85:1
SUBTITLES	ENGLISH, FRENCH				ANAMORPHIC WIDESCREEN
DOLBY DIGITAL	Mastered in High Definition	CC	1	Approx. 123 Mins.	COLOR

| AUDIO | DOLBY DIGITAL | dts Digital Surround ES | DOLBY DIGITAL 5.1 EX SURROUND SOUND DTS-ES 6.1 DISCRETE STEREO SURROUND SOUND | FORMAT | PRESENTED IN A FORMAT PRESERVING THE 1.85:1 ASPECT RATIO OF ITS THEATRICAL EXHIBITION. ENHANCED FOR WIDESCREEN TVs. |
| LANGUAGE | SPANISH | ENGLISH SUBTITLES FEATURE FILM ONLY | SPANISH SUBTITLES FEATURE FILM ONLY | ENGLISH CC FEATURE FILM ONLY | VARIOUS FEATURE RUN TIME: APPROX. 119 MIN. | COLOR |

These charts should be checked against the menu on the DVD to verify what is present on the DVD. The chart can be confusing, and catalogers should take care when making an assessment. Not only is the chart on the container sometimes inaccurate, but the screen menus may be also. The language and caption settings should be checked on the actual video. This is easiest to do with a computer DVD player such as WinDVD or PowerDVD. By right-clicking on the video, it is possible to view and change language and caption settings. Inaccuracies should be noted.

C. Statement of Responsibility
Rule 7.7B6 sets out guidelines but also allows for flexibility among cataloging agencies:

- List featured players, performers, narrators, and/or presenters
- List persons other than the cast who have contributed to the artistic and/or technical production of a film and who are not named in the statement of responsibility.
- Assistants, associates, and other persons making minor contributions should not be included.
- Each name or group of names should be prefaced by a statement of function.

Cast (those listed in the first guideline) should be given in MARC 21 field 511. Other individuals that should be credited (those listed in the second guideline) are given in MARC field 508. Others deemed important that do not fit in a cast or credits note may be given in MARC field 500.

> 511 1 Vivien Lee, Simone Signoret, Jose Ferrer, Lee Mervin, Oskar Werner, Elizabeth Ashley, George Segal, Jose Greco, Michael Dunn, Charles Korvin, Heinz Ruehmann, Lilia Skala.

> 508   Music, Ernest Gold.

D. Edition and History
Make notes relating to the edition being described.

> 500 Music has been changed for this home entertainment version. Some episodes may be edited from their original versions.

> 500 Based on the play by Michael Hastings.

Make notes relating to the history of the film, including dates for the original production, regardless of format.

> 500 Originally produced as a documentary film in 2004.

> 500 Originally released as a motion picture in 1949.

> 500 Originally broadcast on Fox television during the 2005-2006 season.

> [AACR2r 7.7B7, edition and history]

F. Publication, Distribution, etc. and Date
Make notes on publication, distribution, etc. details not included in the publication, distribution, etc. area that are considered to be important. Give the date of original production when it differs from the date of publication, distribution, etc.

> 500 Originally produced and copyrighted in 1981.
> *Comment: Released in 1995*

When applicable, give information about the country of release if that is not stated elsewhere in the description.

> 500 Spanish release of the original English-language version produced by Alberto Grimaldi in 1974 and distributed by Metro-Goldwyn-Mayer.

> [AACR2r 7.7B publication, etc.]

G. Physical Description
Sound
Make notes on any special characteristics of sound components. Information relating to the sound content can often be found on the container.

> 500 Mono. sound.

> 500 Dolby digital 5.1 sound, stereo.

> [AACR2r 7.7B10a, sound characteristics]

Sound information may be combined with language notes.

> 546   Soundtracks: English (Dolby digital 5.1 surround sound); English (Dolby surround sound); French (Dolby surround sound).

> 546   Soundtracks: English (stereo.), French (mono.).

> 546   Soundtracks in English, French, and Spanish.

> > [AACR2r 7.7B2, language, and 7.7B10a, sound characteristics]

Sound information may be combined with notes on system requirements.

> 538   DVD; Dolby surround sound for English sound track.

> 538   DVD; one English sound track with original mono., the other with Dolby surround 5.1 sound.

> > [AACR2r 7.7B10f, videorecording system; 7.7B2, language;
> > 7.7B10a, sound characteristics]

System Requirements

Because of its importance, the systems requirement information may be given in the first note position. The MARC 21 field for system requirements, field 538, is used for the name of the format and any additional physical information that might control the user's choice of playback equipment.   Information about DVD format, television system, and region coding should be recorded when applicable.

1. DVD Format

DVD-Video discs require either a DVD player or a DVD computer drive with DVD player software.   Any special equipment needed for playback should be noted. This information is commonly found on the packaging, either stated in text or in the form of a logo.

538   Requires a Blu-ray player.

538   This is both a High Definition and a standard disc and will play in both players.

[AACR2r 7.7B10f., videorecording system]

Equipment needed for the computer portion of enhanced DVDs is included in a note borrowed from AACR2r Chapter 9, either as part of the DVD 538 or as an additional 538. Use one note stating the DVD is enhanced and use field 538 for the system requirements for the computer portion, though the notes may be combined.   If the computer-related material is significant, the cataloger may choose to describe it in a 500 note.

538   Enhanced DVD; for the 3 games a DVD-ROM drive with Windows 95 or higher is required. Will not work on a Mac or in a CD-ROM drive.

500   Includes 3 computer games, links to fan sites.

[AACR2r 7.7B10f, videorecording system, combined with 9.7B1b]

538   System requirements for DVD-ROM features: Computer capable of playing DVD movies; Microsoft Windows 95 or higher. Will not work in a CD-ROM drive or on a Macintosh.

[AACR2r 9.7B1b, system requirements]

538   DVD-ROM minimum system requirements: InterActual-compatible player (included on this disc), Microsoft Windows 98SE or later, Microsoft IE 5.5 SP1, Macromedia Flash Player 7, an Internet connection, a DVD-ROM drive and a DirectShow-compatible DVD decoder. This DVD will not work in a CD-ROM drive and the DVD-ROM features are not available on Apple Mac OS.

500   Special features: Interactive timeline; Historical lecture: new gods for old; Hunting for treasure interactive game.

[AACR2r 9.7B1b, system requirements]

2. Television Systems

There are three different format systems for television broadcasting:

- **NTSC (National Television Systems Committee)** - the TV format used in Canada, Japan, Mexico, Philippines, Taiwan, the United States and other countries
- **PAL (Phase Alternate Line)** - the TV format used in most of Europe, most of Africa, China, India, Australia, New Zealand, Israel, North Korea, and other countries
- **SECAM (Sequential Color with Memory)** - the TV format used in eastern Europe and France < http://www.high-techproductions.com/pal,ntsc.htm>

Because videos formatted for one television system will not play on a television operating under a different format, the system requirements note should include information about the television system format.

538 NTSC.

538 DVD is in NTSC format on one side, and PAL format on the other.

3. World Region Codes

Motion pictures studios control the home release of movies in different countries through the inclusion of codes on videodiscs that prevent playback in geographical regions that are not authorized for that code. DVD players also contain a code for the region in which it is sold and will refuse playback of discs that are not coded for that geographical region.

Region Codes for Standard-definition DVD

The world is divided into seven regions for standard DVD technology; each region produces players that will only play DVDs designed for that region. Information about the region usually will be found on the disc container. For example, a small symbol of a globe with a superimposed number 1 on the container of a DVD tells the user that this DVD will work in a player produced for region 1 (i.e., North America).

The Standard-definition DVD regions are:
1. U.S., Canada, U.S. Territories
2. Japan, Europe, South Africa, and Middle East (including Egypt)
3. Southeast Asia and East Asia (including Hong Kong)
4. Australia, New Zealand, Pacific Islands, Central America, Mexico, South America, and the Caribbean

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5. Eastern Europe (former Soviet Union), Indian subcontinent, Africa, North Korea, and Mongolia
6. China
7. Reserved
8. Special international venues (airplanes, cruise ships)

Also, there are all-region discs and all-region players.

Region Codes for Blu-ray Disc
Blu-ray Discs may be encoded with a region code that restricts the region in which they can be played much like the DVD region codes, or they may be produced without region coding.

The Blu-ray regions are:

Region A (Orange): North America, South America, Central America, Japan, Taiwan, North Korea, South Korea, Hong Kong, and Southeast Asia
Region B (Yellow): Europe, Greenland, French territories, Middle East, Africa, Australia, and New Zealand
Region C (Purple): India, Bangladesh, Nepal, Mainland China, Pakistan, Russia, Central and South Asia
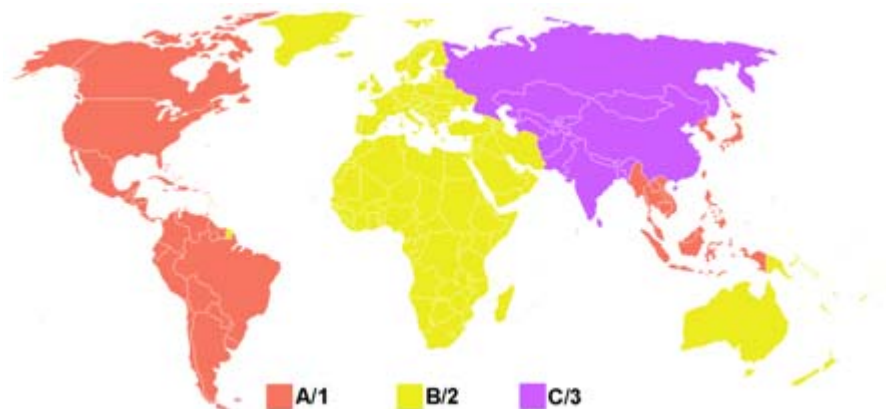
538 Produced for region 4 (Central and South America); user must have a DVD player that will play region 4 DVDs.

538 DVD (Blu-ray) ; NTSC, region 1.

538 DVD, NTSC, region 1.

538 DVD, all regions; Dolby Digital surround stereo.

538 DVD ; Region 4 ; PAL

<div align="right">[AACR2r 9.7B1b, system requirements]</div>

Other
1. Layers
Some containers indicate "Single layer" and some "Dual layer" or "Dual-layer format". Include this information if it appears on the item. When creating a note, it is preferable to retain the wording as it appears on the item.

500 Dual-layer format.

500 Dual-layer

500 Single layer.

<div align="right">[AACR2r 7.7B10k, physical description, other]</div>

2. Aspect Ratio
There are many ways in which movie images are reproduced for use on a television screen. Widescreen movies may be reproduced as they were originally shown by including a black bar across the top and bottom of the screen (letterbox format) so the film image is reproduced completely. This information about aspect ratio is included in most reviews of DVDs, so it is considered important enough to mention in a note. There seem to be many different aspect ratios. The ratio is not always given, but when it is, make a note.

500 Aspect ratio 2.35:1

500 Aspect ratio 1.85:1

500 Aspect ratio 1.77:1; "enhanced for 16 x 9 television."

500 Aspect ratio 1.78:1

Widescreen movies may also be reproduced using the pan-and-scan technique in which only parts of each frame of film are shown. This pan-and-scan technique should be mentioned in the bibliographic record.

> 500   Original film in widescreen; reproduced using pan-and-scan technique.

If the aspect ratio is given as 1.33:1, and the container says "Standard full frame — Formatted from the original version to fit your screen," record the information as follows:

> 500   Aspect ratio 1.33:1. Formatted from the original version to fit the television screen.

Information on layers and aspect ratio can be combined.

> 500   Dual-layer format; aspect ratio 2.35:1.

It should also be noted that aspect ratio information might appear in the edition area if identified as such:

> 250   Pan and scan ed.

> [All these notes AACR2r 7.7B10f, physical description, other]

3. Other Information
Some phrases or words appear on the container and/or title screens and look important but don't seem to fit anywhere. Transcribe them as found, in quotation marks.

> 500   "THX digitally remastered."

> 500   "Lucasfilm system."
>
> [AACR2r 7.7B10k, physical description, other]

H. Audience Rating Code
Audience information is to be given only if found on the item. However, when someone does cataloging for a school library with the training and background to make the judgment as to what ages or grades a title would be suitable for, this information may be very useful to patrons of that library. The note could be in quotes if the information appears on the item, or be followed by the name or initials of the person determining the audience level when that is done.

Ratings information should be given when found on the item. There are many kinds of ratings; the most common in the United States is the Motion Picture Association of America (MPAA) rating.

> 521 8 MPAA rating: PG.

> 521 8 MPAA rating: PG; for mild action, language and brief rude humor.

<div align="right">[AACR2r 7.7B14, audience]</div>

I. Summary Note

Summaries are to be brief, without any judgmental terms. They need not be written in complete sentences. One may begin by using information appearing on the package, and then editing as needed to remove judgmental adjectives or other superfluous words. If a summary is used exactly as found on the package, it should be enclosed in quotation marks, with the source cited.

Further guidelines for writing summary notes, including specific guidance for motion pictures and video recordings can be found in *Summary Notes for Catalog Records*, a publication of the OLAC Summary/Abstracts Task Force <http://ublib.buffalo.edu/libraries/units/cts/olac/capc/summnotes.html>

> 520   Mr. Bean can't believe his luck when he wins a camcorder and an all-expense paid vacation to the French Riviera. However, during his train journey to the south of France, he falls face first into a series of mishaps and fortunate coincidences, all of which are caught on camera and far-fetched enough to ensure his own makeshift entry into the Cannes Film Festival.

> 520   "Too busy to work out? All you need is fifteen minutes a day! Pilates Week: Five 15-Minute Workouts for the Busy Teen is an exciting workout specifically for teenagers -- and for those who still feel like teenagers"—Container.

> 520   Includes video essays about the people, places, cultures, and the beauty of Massachusetts.

J. Informal Contents Note

Information about special features and/or additional material included on a DVD is listed in an informal contents note.

500   Special features include outtake musical numbers, newsreel excerpts, theatrical trailers and cast interviews.

500   Includes 2005 documentary on the making of the film (50 min.) hosted by Stephen Spielberg.

500   Includes original theatrical version, and special version with 28 minutes of additional footage.

500   Includes director/producer biographies, cast filmographies, photo gallery, and music video.

500   Includes both widescreen and standard versions.

[AACR2r 7.7B18, contents]

International Standard Numbers
Most DVDs have an ISBN (10 or 13 digits long), a manufacturer's or publisher's number on the spine of the container, and possibly an International Article Number as well. These numbers are added to the record in the 020, 024, and 028 fields. Always remember, of course, to follow the directions for these fields with regards to indicators, etc.

A. ISBN
The newly implemented (2007) 13-digit ISBN is recorded in the 020 field with no indicator values.

020   1419845284

020   9780323045049

B. UPC (Universal Product Code) and EAN (International Article Number)
The 13-digit EAN number (usually beginning with a 978) is recorded in the 024 field with a first indicator of 3. The 12-digit UPC is recorded with a first indicator 1.

024 3_ 9780025895578

024 1_ 085391112990

C. Manufacturer's Number

The manufacturer's number goes in field 028, with subfield (b) containing the publisher's name. Use 4 as the first indicator for video recordings; the second indicator is used to specify whether a note or added entry will be generated.

028 42$a 59326 $b Warner Bros. Entertainment

DVD-Video Example 1 (Enhanced)

Disc Label

Copyright

Reserved. © 2000 New Line Home Video, Inc. All Rights Reserved. N4997-1

© 1995 New Line Productions.

DISC ONE - The Movie

Publisher

NEW LINE HOME VIDEO

Dolby Digital

DOLBY DIGITAL

dts ES

Title

SE7EN

Digital Theater Sound
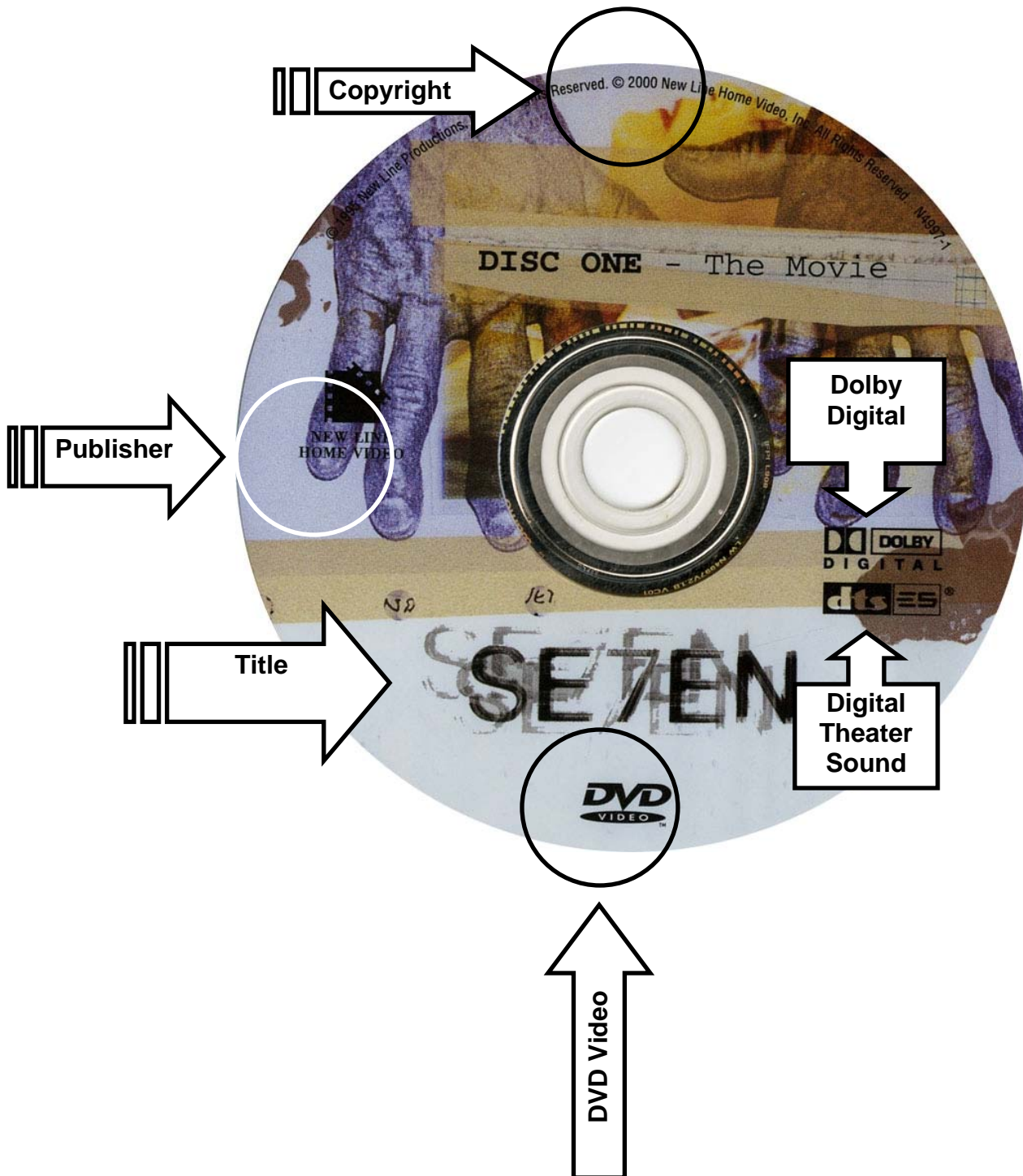
DVD VIDEO

DVD Video

DVD-Video Example 1 (Enhanced)

```
Visual Materials   ▼   Rec stat   c   Entered   20010104        Replaced   20080409165902.5
   Type  g    ELvl  I      Srce  d    Audn  e        Ctrl         Lang  eng
   BLvl  m    Form        GPub       Time  1 2 7    MRec         Ctry  xxu
   Desc  a    TMat  v    Tech  l    DtSt  s        Dates  1997   ,

   007        v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡i q
```

```
000 03411cgm  2200637Ia 4500
007 vd cvaizq
008 010104s1997    xxu127 e          vleng d
020    $a0780630211
020    $a9780780630215
024 1 $a794043499722
028 42$aN4997$bNew Line Home Video
041 1 $aeng$beng$bfre$heng
245 00$aSe7en$h[videorecording] /$cNew Line Productions, Inc. ; produced
by Arnold Kopelson, Phyllis Carlyle ; directed by David Fincher ; written
by Andrew Kevin Walker.
246 3 $aSeven
246 3 $a7
250    $aWidescreen letterboxed version.
260    $a[S.l.] :$bNew Line Home Video,$cc1997.
300    $a2 videodiscs (127 min.) :$bsd., col. ;$c4 3/4 in.
440  0$aNew Line platinum series
538    $aDVD; Dolby surround stereo; aspect ratio 2.40:1.
538    $aIn order to operate the enhanced PC features of the disc a DVD-
ROM and Windows 95 or higher is required. Some of the DVD's enhanced
features will not work on a Mac.
546    $aEnglish with English and French subtitles available; closed-
captioning.
500    $aTitle from container.
511 1 $aBrad Pitt, Morgan Freeman, Gwyneth Paltrow, John C. McGinley.
508    $aDirector of photography, Darius Khondji ; editor, Richard
Francis-Bruce ; music, Howard Shore.
521 8 $aRated R.
520    $aA psychological thriller about two detectives …
505 0 $aDisc one: (the movie). Four feature-length audio …
```

Example 2 Chronicles of Narnia – Widescreen ed.

Visual Materials ▼   Rec stat   c   Entered   20060413   Replaced   20080611082437.1

Type	g	ELvl	K	Srce	d	Audn	g	Ctrl		Lang	eng
BLvl	m	Form		GPub		Time	1 3 2	MRec		Ctry	cau
Desc	a	TMat	v	Tech	l	DtSt	s	Dates	2006	,	

007 │ │ v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡i q

```
000  04167cgm  2200649Ka 4500
007  vd cvaizq
008  060413s2006    cau132 g          vleng d
020    $a9780788860713
024 1 $a786936292916
028 42$a40986$bWalt Disney Home Entertainment
041 1 $aeng$afre$aspa$bfre$bspa$heng
130 0 $aChronicles of Narnia, the lion, the witch and the wardrobe
(Motion picture)
245 14$aThe chronicles of Narnia.$pThe lion, the witch and the
wardrobe$h[videorecording] /$cWalt Disney Pictures and Walden Media
presents a Mark Johnson production, an Andrew Adamson film ; produced by
Mark Johnson, Philip Steuer ; screenplay by Ann Peacock ... [et al.]  ;
directed by Andrew Adamson.
246 30$aLion, the witch and the wardrobe
250    $a[Widescreen ed.].
260    $aBurbank, CA :$bWalt Disney Home Entertainment,$c[2006]
300    $a1 videodisc (ca. 135 min.) :$bsd., col. ;$c4 3/4 in.
538    $aDVD, region 1, widescreen (2.35:1) presentation (enhanced for
16x9 televisions); Dolby Digital 5.1 surround, DTS 5.1 surround.
546    $aEnglish or dubbed French or Spanish dialogue, French or Spanish
subtitles; closed-captioned.
500    $aTitle from container.
511 1 $aGeorgie Henley, Skandar Keynes, William Moseley, Anna Popplewell,
Tilda Swinton, James McAvoy, Jim Broadbent, Kiran Shah, James Cosmo, Judy
McIntosh, Elizabeth Hawthorne, Patrick Kake.
508    $aDirector of photography, Donald M. McAlpine ; music composer,
Harry Gregson-Williams ; editor, Sim Evan-Jones ; costume designer, Isis
Mussenden ; production designer, Roger Ford.
500    $aBased on the book by C.S. Lewis.
500    $aOriginally released as a motion picture in 2005.
521 8 $aMPAA rating: PG; for battle sequences and frightening moments.
520    $aLucy Pevenise, along with her older brothers …
```
500 $aSpecial features: Bloopers; discover Narnia fun facts; kids & director commentary; filmmakers' commentary.

Example 3 Chronicles of Narnia – Standard format ed.

Visual Materials ▾	Rec stat	c	Entered	20060404		Replaced	20080610140451.2

Type g	ELvl I	Srce d	Audn g	Ctrl	Lang eng
BLvl m	Form	GPub	Time 1 4 3	MRec	Ctry cau
Desc a	TMat v	Tech l	DtSt r	Dates 2006 , 2005	

007		v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡i q

```
000 03219cgm  2200649Ia 4500
007 vd cvaizq
008 060404r20062005cau143 g          vleng d
020    $a0788860704
020    $a9780788860706
024 1 $a786936292916
028 41$a40986$bWalt Disney Home Entertainment
041 1 $aeng$afre$aspa$beng$bfre$bspa$heng
130 0 $aChronicles of Narnia, the lion, the witch and the wardrobe
(Motion picture)
245 14$aThe chronicles of Narnia.$pThe lion, the witch and the
wardrobe$h[videorecording] /$cWalt Disney Pictures and Walden Media ;
produced by Mark Johnson, Philip Steuer ; screenplay by Ann Peacock ...
[et al.] ; directed by Andrew Adamson.
250    $aStandard format.
260    $aBurbank, CA :$bWalt Disney Home Entertainment :$bDistributed by
Buena Vista Home Entertainment,$c2006, c2005.
300    $a1 videodisc (ca. 143 min.) :$bsd., col. ;$c4 3/4 in.
538    $aDVD; Dolby Digital 5.1 surround, DTS 5.1 surround.; region 1.
546    $aSoundtracks in English, French or Spanish ; subtitles in English,
French or Spanish ; Closed captioned.
511 1 $aGeorgie Henley, Skandar Keynes, William Moseley, Anna Popplewell,
Tilda Swinton, James McAvoy, Jim Broadbent, Liam Neeson.
508    $aDirector of photography, Donald M. McAlpine ; editors, Sim Evan-
Jones, Jim May ; music composer, Harry Gregson-Williams.
500    $aOriginally produced as a motion picture in 2005.
500    $aBased on the book by C.S. Lewis.
500    $aSpecial features include The bloopers of Narnia, Discover Narnia
fun facts, audio commentaries.
521 8 $aMPAA rating: PG.
520    $aWhen Lucy Pevenise, her older brothers Edmund and Peter, and her
older sister Susan are sent to the country for safer keeping during the
initial bombing raids of WW II, they decide to play hide-and-seek in the
strange house of the mysterious professor …
```

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Example 4 Chronicles of Narnia – Blu-ray ed.

```
Visual Materials ▼    Rec stat  c    Entered  20080515       Replaced  20080610140502.9

Type  g    ELvl  I     Srce  d    Audn  g         Ctrl           Lang  eng
BLvl  m    Form         GPub        Time  1 4 3    MRec           Ctry  cau
Desc  a    TMat  v     Tech  I     DtSt  s         Dates  2008    ,

007          v ‡b d ‡d c ‡e z ‡f a ‡g i ‡h z ‡i k
```

```
000 05216cgm  2201009Ia 4500
007 vd czaizk
008 080515s2008    cau143 g          vleng d
020   $a9780788884917
024 1 $a786936751963
028 42$a56149$bWalt Disney Home Entertainment
041 1 $aeng$afre$aspa$beng$bfre$bspa$heng
130 0 $aChronicles of Narnia, the lion, the witch and the wardrobe
(Motion picture)
245 14$aThe chronicles of Narnia.$pThe lion, the witch and the
wardrobe$h[videorecording] /$cWalt Disney Pictures and Walden Media
present a Mark Johnson production, an Andrew Adamson film ; produced by
Mark Johnson, Philip Steuer ; screenplay by Ann Peacock ... [et al.] ;
directed by Andrew Adamson.
246 30$aLion, the witch and the wardrobe
250   $a2-disc Blu-ray ed.
260   $aBurbank, CA :$bWalt Disney Home Entertainment :$bDistributed by
Buena Vista Home Entertainment,$c[2008]
300   $a2 videodiscs (143 min.) :$bsd., col. ;$c4 3/4 in.
538   $aDVD, widescreen (2.40:1) presentation; Dolby Digital 5.1
uncompressed  (48 kHz/16-bit) surround, Dolby Digital 5.1 surround, 1080p
High-Definition ; (Special features: Dolby Digital 2.0 stereo., 480i &
1080p High Definition).
500   $aBlu-ray disc.
538   $aThis Blu-ray disc will not play in standard DVD players.
546   $aEnglish (Dolby 5.1 uncompressed, Dolby 5.1), dubbed French (Dolby
5.1) or dubbed Spanish (Dolby 5.1), French or Spanish subtitles; English
subtitles for the deaf and hard of hearing.
511 1 $aGeorgie Henley, Skandar Keynes, William Moseley …
508   $aDirector of photography, Donald M. McAlpine …
500   $aBased on the book by C.S. Lewis.
500   $aOriginally released as a motion picture in 2005.
540   $aThis DVD is copy protected.
521 8 $aMPAA rating: PG; for battle sequences and frightening moments.
520   $aPeter, Susan, Edmund, and Lucy decide to play hide-and-seek …
500   $aSpecial features: Disc 1: Feature ; Disc 2: "Battle for Narnia" …
```

III.   Cataloging DualDiscs

By Julie Moore, Anchalee P. Roberts, and Carolyn Walden

This section addresses cataloging DualDiscs, sometimes called Hybrid Dual Discs, using rules found in AACR2 Chapter 6 (Sound Recordings) and Chapter 7 (Motion Pictures and Videorecordings) and the document *New Sound Recording Formats – Library of Congress Practice* available at <http://www.loc.gov/catdir/cpso/soundrec.pdf>

General Comments

The DualDisc is a 4 ¾ inch disc where one side is a standard audio compact disc and the opposite side is a DVD-video or audio. Sometimes the DVD side is dominant, which results in the CD audio side as the opposite side. The hybrid CD/DVD or DVD/CD format appeared in test markets of Boston and Seattle in March 2004.

On the compact disc side, there is "compatible digital audio at 44.1kHz 16-bit and on the other, DVD-Video, with the possibility of including high-resolution DVD-Audio content." <http://www.highfideityreview.com/news/news.asp?newsnumber-19510882>. "Independent and major record labels announced in November 2004 the availability of more than 50 titles to be released through the 2004 holiday season." <http://dualdisc.com/press.html>

The DualDisc.com website in The Frequently Asked Questions section reminds readers of important technical information. <http://dualdisc.com/faq-content.html>

- It is important to have 5.1 channel surround system to take advantage of the discs that feature surround sound music. The DVD side will contain superior audio and will result in a "rich, three-dimensional musical experience." <http://dualdisc.com/faq-content.html>

- Use the DVD side in a DVD player to enjoy enhanced audio and any additional DVD features. The CD side will play on most CD and DVD models.

- Note that each side is marked for play on a CD or DVD player.

- The DVD side will not play in a CD player. Remember to re-insert with the correct side to play.

Since DualDiscs are a combination of DVD and CD characteristics, one of the first challenges to face DualDisc catalogers is to determine the predominant material. What is the more important part of the DualDisc, the sound recording or the video recording? In some cases, there is no predominant material. In such a case, the decision as to whether the DualDisc is to be cataloged as a sound recording or a video recording is left to

cataloger judgment.

This section will not attempt to duplicate cataloging practice for single CD items that follow AACR2 Chapter 6 or single DVD items that follow AACR2 Chapter 7. Instead, the information presented in this section will clarify how to describe the DualDiscs in the fields that may differ from the cataloging of single-format discs.

Chief Source of Information
As indicated in Chapter 6 for sound recordings, the chief sources of information are the disc and label with preference for textual data to sound data. In Chapter 7 for DVDs, the chief source of information is the item (e.g. title frames). If the information cannot be taken from the chief source, use accompanying textual material which may be found in scripts, publicity material, etc. and the container if it is not an integral part of the DVD. The cataloger will make this determination when deciding whether the dominant content is audio or video. Promotional material with an item may help determine if the item has been marketed and created as a specific format (CD vs. DVD) with the opposite format as supplementary material. If this cannot be determined, defer to cataloger judgment.

Leader
For the CD or DVD-Audio dominant DualDisc, use "i" or "j" as appropriate. For the DVD-Video dominant DualDisc, use type "g."

> i = nonmusical sound recording
>
> j = musical sound recording
>
> g = projected medium

006   Fixed-length Data Elements – Additional Material Characteristics
Include information for the additional format (DVD-Video, DVD-Audio, or CD audio as appropriate)

007   Fixed-length Data Elements – Physical Characteristics
Include information for the dominant and alternate formats as appropriate.

General Material Designation
The dominant content will determine whether the GMD will be [sound recording] or [video recording].

Physical Description Area

Library of Congress has issued separate guidelines in their document *New Sound Recording Formats* <http://www.loc.gov/catdir/cpso/soundrec.pdf>

> 300   1 DualDisc : $b digital ; $c 4 ¾ in.

Notes Area

Include a note to describe the DualDisc characteristics.

> 500   Hybrid CD/DVD-Video disc.

> 500   Hybrid CD/DVD-Audio disc.

If system requirements are present, include this in a note but if not present, do not provide a note.

> 538   Stereo, Dolby digital.

> 538   Widescreen (1.78:1) presentation; Dolby Digital 5.1 surround.

> 538   Enhanced DVD-Audio.

DualDisc Example 1 (CD Emphasis)

Sound Recordings		Rec stat	c	Entered	20060315		Replaced	20080311091909.8

Type	j	ELvl	I	Srce	d	Audn		Ctrl		Lang	eng
BLvl	m	Form		Comp	fm	AccM	d					MRec		Ctry	nyu
		Part	n	TrAr	n						
Desc	a	FMus	n	LTxt		DtSt	r			Dates	2006	,	1998

007			s ‡b d ‡d f ‡e u ‡f n ‡g g ‡h n ‡i n ‡j m ‡k m ‡l n ‡m e ‡n d
007			v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡i s

```
000 02275cjm  2200445Ia 4500
006 g---              vl
007 sd fungnnmmned
007 vd cvaizs
008 060315r20061998nyufmnn  d        n eng d
024 1 $a828768286722
024 8 $a00828768286722
028 02$a82876 82867 2$bColumbia
043   $an-us---
100 1 $aSpringsteen, Bruce.$4prf
245 10$aWe shall overcome$h[sound recording] :$bthe Seeger sessions
/$cBruce Springsteen.
246 30$aSeeger sessions
260   $aNew York, NY :$bColumbia,$cp2006.
300   $a1 DualDisc :$bdigital ;$c4 3/4 in.
500   $aFolk songs associated with Pete Seeger.
511 0 $aBruce Springsteen, vocals, guitar, and other instruments; with
instrumental and vocal acc.
518   $aRecorded in 1997, 2005, and 2006, at Thrill Hill, Boxwood
Studios, NJ.
500   $aThe title track originally released by Appleseed Recordings in
1998.
500   $aHybrid CD/DVD-video disc.
500   $a"The audio side of this disc does not conform to CD
specifications and therefore not all DVD and CD players will play the
audio side of this disc"--Container.
500   $aDVD side comprises the entire album in PCM stereo., a 30 min.
film about the recording of the album, artist commentary, and 2 bonus
tracks; also filmed performances of John Henry, Pay me my money down,
Buffalo gals, Erie Canal, O Mary don't you weep, and Shenandoah.
500   $aLyrics in container.
505 00$gCD:$tOld Dan Tucker --$tJesse James …
```

DualDisc Example 2 (CD Emphasis)

Sound Recordings		Rec stat	n	Entered	20060613		Replaced	20060613072731.4
Type	j	ELvl	I	Srce	d	Audn		Ctrl		Lang	zxx
BLvl	m	Form		Comp	zz	AccM					MRec		Ctry	xx
		Part	n	TrAr	n						
Desc	a	FMus	n	LTxt		DtSt	p			Dates	2006	,	1996

007			s ‡b d ‡d f ‡e u ‡f n ‡g g ‡h n ‡i n ‡k m ‡l n ‡m e ‡n d
007			v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z

```
000 01401njm  2200301Ia 4500
006 g---              vl
007 sd fungnn|mned
007 vd cvaiz|
008 060613p20061996xx zznn           n zxx d
024 1 $a604388663828
028 02$aBBSF 015DD$bSummerfold
110 2 $aWorld Drummers Ensemble.
245 12$aA coat of many colors$h[sound recording] /$cWorld Drummers
Ensemble.
260   $a[S.l.] :$bSummerfold,$cp2006.
300   $a1 DualDisc :$bdigital ;$c4 3/4 in.
511 0 $aWorld Drummers Ensemble: Chad Wackerman, acoustic drums,
pitched drums and pitched cymbals ; Luis Conte, conga drums,
timbales, cajon, percussion ; Bill Bruford, acoustic and electronic
drums ; Doudou N'Diaye Rose, sabar and gorom babass.
500   $aHybrid CD/DVD-video disc.
518   $aDVD filmed live on stage at the Koninklijk Theatre Carre,
Amsterdam, Feb. 21, 2005. Some audio tracks recorded at Palais des
Beaux-Arts, Brussels, Jan. 31, 1996.
505 00$tConundrum --$tMajorette --$tPrism --$tBaye Kene N'Diaye --
$tRitm kompozisyon --$tA coat of many colors --$tSelf portrait --$tSa
N'Diaye --$gAddition tracks in DVD side only:$tB'boom --$tEncuentro
(Encounter).
```

37

DualDisc Example 3 (DVD Emphasis)

Disc Hub

Title

Front Cover

Title & Author

DualDisc
Symbol
CD DVD

Back Cover

DualDisc   2-SIDED DISC: CD & DVD

CD* SIDE   DVD SIDE

| ALBUM AUDIO | ENTIRE ALBUM IN ENHANCED STEREO | CONCERT VIDEO INTERVIEW | BIOGRAPHIES FILMOGRAPHIES |

CD Side

DVD Side

* This disc may not play on some CD and DVD players.

Publisher

Dolby Digital
Symbol

Distributor

DVD
Video
(for the
DVD side)

National
Television
Systems
Committee
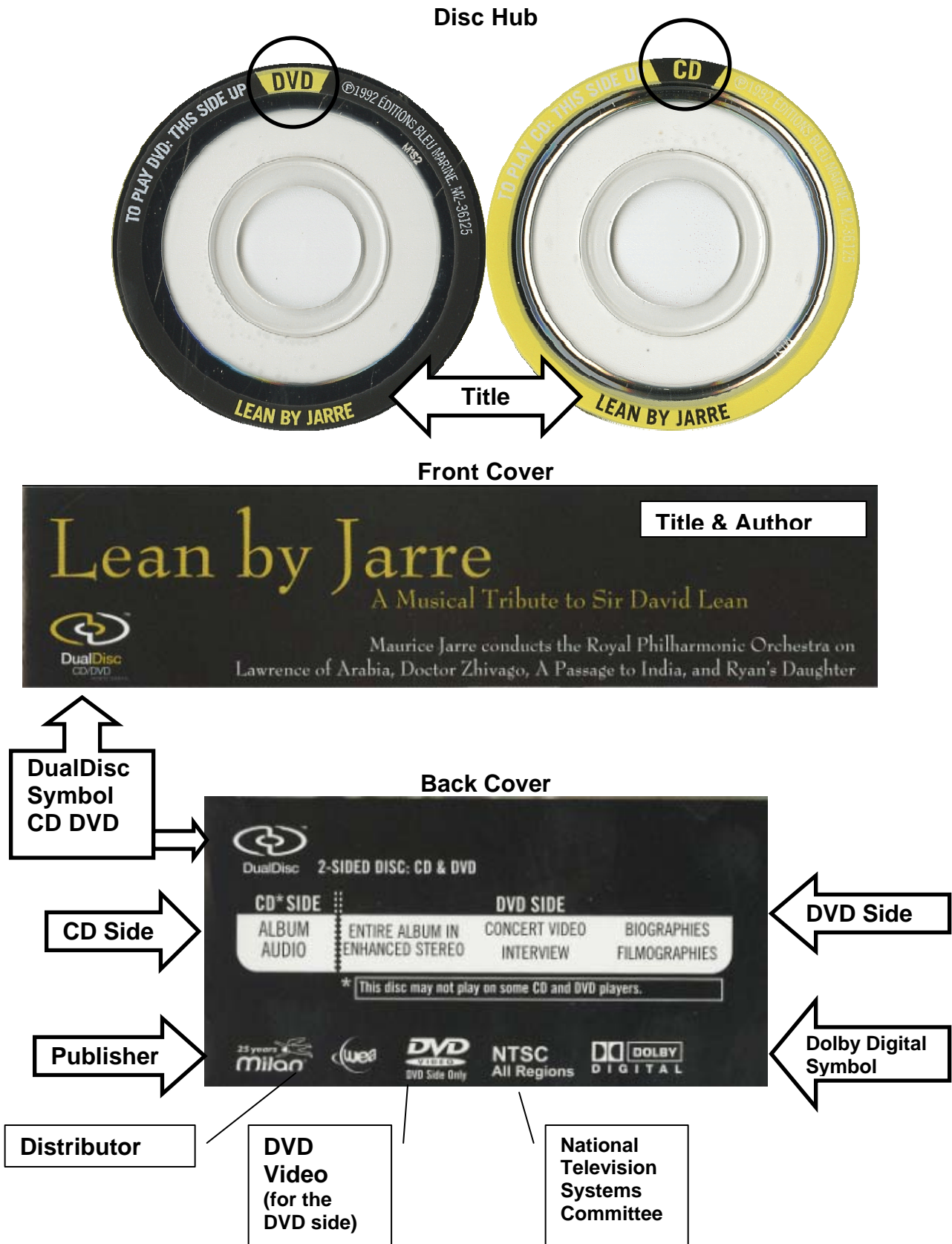
DualDisc Example 3 (DVD Emphasis)

Visual Materials ▼		Rec stat	c	Entered	20051020		Replaced	20080514223616.3

Type	g	ELvl	I	Srce	d	Audn		Ctrl		Lang	eng
BLvl	m	Form		GPub		Time	- - -	MRec		Ctry	xx
Desc	a	TMat	v	Tech	l	DtSt	p	Dates	2005	, 1992	

007			v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡j m ‡k m ‡i n
007			s ‡b d ‡d f ‡e s ‡f n ‡g g ‡h n ‡i n ‡j m ‡k m ‡i n ‡m e ‡n d

```
000 02464cgm  2200421Ia 4500
006 jjznn          n
007 vd cvaiz|
007 sd fsngnnmmned
008 051020p20051992xx ---           vleng d
024 10$a731383612527
028 40$aM2-35125$bMilan
245 00$aMaurice Jarre's musical tribute to David
Lean$h[videorecording] /$cEditions Bleu Marine ; Milan presents ;
produced by Maurice Jarre and L.A. Johnson ; director, L.A. Johnson.
246 1 $iTitle on DVD and CD side labels:$aLean by Jarre
246 1 $iContainer subtitle:$aMusical tribute to Sir David Lean
260    $a[S.l.] :$bMilan Entertainment,$c[2005].
300    $a1 DualDisc :$bsd., col. ;$c4 3/4 in.
538    $aDVD side: enhanced stereo, Dolby digital.
500    $aHybrid DVD-video/CD disc.
500    $a DVD and compact disc originally recorded separately in 1992.
521    $aNot rated.
511 0 $aMaurice Jarre, conductor ; Royal Philharmonic Orchestra.
518    $aRecorded live at the Barbican Centre, London.
520    $aLean by Jarre is a live performance …
505 1 $aDVD side track listing: Remembrance ; Ryan's Daughter suite ;
A passage to India suite ; Doctor Zhivago suite ; Offering ; A passage
to India (Garden of Statues) ; Lawrence of Arabia suite.
505 1 $aCD side track listing: Remembrance ; Ryan's Daughter suite ; A
passage to India suite ; Doctor Zhivago suite ; Offering ; Lawrence of
Arabia suite.
500    $aFull album in enhanced stereo plus audio of the bonus track "A
passage to India" (Garden of Statues) from  the DVD concert program --
Full concert video -- Maurice Jarre interview with Christian Lauliac
(35 min.; English subtitles) -- Biographies, filmographies.
```

IV. Cataloging DVD-Audio

By Marcia Barrett, Nancy Lorimer, and Walter Walker

This section addresses cataloging commercially available DVD-Audio containing musical and non-musical sound recordings, using the rules found in AACR2 Chapter 6 (Sound recordings).

Chief Source of Information
As with other sound recordings, the title should always be taken from the label on the disc whenever possible. In absence of a label title, the container (including any insert material that shows through the container), the title or menu screen, or other accompanying material may be used. Prefer textual data to sound data (per AACR2 6.0B1)

General Comments on DVD-Audio
DVD-Audio, "designed to replace CD-Audio as the primary carrier of prerecorded music for the record industry," more than doubles the fidelity of a standard audio CD and supports additional data such as text, still images, and video <http://patches.sonic.com/pdf/white-papers/wp_dvd_audio.pdf">. Able to contain up to seven times as much information as a CD, DVD-Audio has sound as its primary content, although it will always have minimal visual content in that there will be a menu screen for navigation. A DVD-Audio may also contain additional visual features. Most, however, contain nothing additional.

Cataloging a DVD-Audio is similar to cataloging any other manifestation of a sound recording. There are some special features, however, that are not directly addressed in AACR2, but that do need to be described in the bibliographic record. These features are the emphasis of this document.

Occasionally, a DVD-Audio may have material on the second side of the disc. This may be in a different format, such as a DVD-Video. In these cases, the cataloger should consult other portions of this guide.

The GMD for DVD-Audio is [sound recording]:

> 245 10 Magnificat [sound recording] : a capella works

Enhanced DVD-Audio
Some DVD-Audio discs contain additional material that requires a computer or DVD-Video player for access. In these discs, the primary component of the DVD is the sound

recording itself. Computer-accessed material is secondary (equivalent to accompanying material in AACR2) and may include short videos, program notes, recording credits, games, etc. Enhanced DVD-Audio discs should be cataloged as sound recordings. Use one note to state that the DVD-Audio is enhanced, one to give the system requirements for the video portion, and one to describe the video contents, if deemed important.

> 500   Enhanced DVD-Audio.

> 538   System requirements: Accompanying video requires DVD-video
>   compatible Dolby Digital (AC-3) players or computer for
>   viewing.

> 500   Accompanying videos include a history of Chanticleer and
>   an excerpt from John Taverner's Village wedding.

Dates

A. Type of Date Code in Fixed Field
For a new DVD-Audio (i.e. not a reissue) with only one date associated with it, the MARC 21 fixed field 008, byte 6 is coded "s" (single date).

If the publication date differs from a known recording date or the publication differs from the phonogram date, byte 6 is coded "p" (distribution/production date).

If the DVD-Audio is an exact reissue of an LP or CD, code the Date type as "r" (reprint/original).

B. Dates in Field 260
A DVD-Audio may have a single date (2001), a copyright date (c2001), a phonogram (sound recording copyright) date (p2001), a recording date, or any combination of these. Dates may be found on the label of the disc, or equally often on the back of the container, and a single date may perform as both a copyright and a phonogram date.

A single date or phonogram date is recorded in the 260 as the publication date.

> 260   Boston, Mass. : Rounder, 2002.

> 260   Hamburg, Germany : Teldec, p2001.

According to LCRI 6.4F1, copyright dates on DVD-Audio literally only refer to the graphic and textual material, not the audio portion, and therefore can be used only as an inferred date of publication. It may be used singly or in combination with a p date in the 260 and is recorded in square brackets.

260   New York, N.Y. : Nonesuch, [2003]

260   Hamburg : Teldec, [2001], p1999.

Note: the "p" preceding the date should be written with the phonogram copyright date symbol if it is available.

C. Dates in Notes
Recording dates are given in the edition and history note (MARC 21 field 518).

Physical Description Area

A. Extent of Item
There are two possible ways (plus one variation) to record the extent of item area according to Rule 6.5B1 of AACR2.

<u>**Option 1**</u>
The first is to use the traditional SMD for sound discs.

      300   1 sound disc

When using this option, a note field (500/538) is necessary to describe the type of disc:

      500   DVD-audio.

<u>**Option 2**</u>
The second option is to use a term in common usage:

      300   1 DVD-audio

In either of these cases, also give the type of recording and the number of sound channels. DVD-Audio has 5.1 channels and usually can also be played in stereo.

      300   1 DVD-audio : digital, 5.1 channels, stereo. ; 4 3/4 in.

      300   1 sound disc : digital, 5.1 channels, stereo. ; 4 3/4 in.

<u>**Option 3**</u>
A variation of the second example has been developed by the Library of Congress. Here, the term "DVD" replaces the number of channels, the thought being that the term amply explains all the sound characteristics.

      300   1 sound disc : digital, DVD ; 4 3/4 in.

If using the 2nd or 3rd options, it is not necessary to add a note describing the type of disc, since that information is already present in the physical description.

B. Time

The time in subfield (a) of MARC 21 field 300 should be the duration of the musical work, and it is given only if there is a single work. Record the timing of multiple single tracks/works in MARC field 306 (for machine-readable times), in the contents note, or in a separate note.

Notes Area

A. Nature or Artistic Form and Medium of Performance

Make the usual note about the type of work and medium of performance unless it is apparent from the rest of the description for the primary work. A description of the content of any accompanying material can be combined with this note or given separately.

> 500 Renaissance music in honor of the Virgin Mary ; accompanying music video is an excerpt from John Tavener's Village wedding.

> 500 Traditional and contemporary Cape Breton fiddle music and songs.

> 500 Popular vocal and instrumental music of Cuba.

B. Language

Give the language of sung or spoken text on the DVD-Audio if not apparent from the rest of the bibliographic record.

> 546 Sung in Latin and Russian; Monteverdi works originally set as Italian madrigals. Village wedding sung in English.

> 546 Sung in Spanish.

C. Statements of Responsibility

Participant or Performer

Record performer names and roles in a MARC 21 511 field, indicator 0.

> 511 0 Chanticleer; Joseph Jennings, musical director.

> 511 0 Natalie McMaster, fiddle and vocals with various other musicians.

Creation/Production Credits

Chapter 6 does not give guidelines for a creation or production credits note but include this information in MARC 21 field 508 if considered useful. Consult AACR2 rule 7.7B6 on credits from the Motion Pictures and Videorecordings chapter for guidance.

> 508   Philip Wilder, artistic administrator; screen design and
>   animation, Gil Herear.

D. Edition and History

If the place and date of recording are stated on the item and considered to be important, give this information in a note in MARC 21 field 518.

> 518   Recorded at Skywalker Ranch, Nicasio, CA, Jan. 2000.

> 518   Recorded at Egrem Studios, Havana, Cuba, March 1996.

If the disc is a reissue (not very common with DVD-Audio), record information about the original in a general note.

E. Physical Description

Type of Disc

If using the traditional method of describing a sound disc in the 300 field, a note is necessary to specify the type of disc. If either the term in common usage or the LC style of 300 is used, the note is not necessary. A note is necessary in all cases if you are cataloging an enhanced DVD-Audio.

Sound recording cataloging specifies that this note goes in a 500 field, not a 538, though it could be argued both ways.

> 500   DVD-audio disc.

> 538   Enhanced DVD-audio disc.

System Requirements

This field is not specified in AACR Chapter 6 (Sound recordings), but its use has been given informal approval by the Library of Congress and other cataloging agencies. Use this field to give any additional technical information that might control the user's choice of playback equipment, including equipment necessary for accessing computer features. Quote information stated on the resource if it is there. Otherwise, use AACR 7.7B10 for guidance.

538 Can be played as Advanced-resolution surround, Advanced-resolution stereo and DVD-compatible Dolby Digital (AC-3); advanced resolution audio and visual content require DVD-audio-capable players.

F. Accompanying Material

Describe any accompanying material on the disc, such as videos, performer biographies, etc. Interactive menus, which are common in these formats, may be ignored, as can advertisements for products or previews of other titles, but you may also choose to describe these materials if you feel they are important.

500 Accompanying videos include a history of Chanticleer and an excerpt from John Taverner's Village wedding.

500 Program notes by Nick Gold and Nigel Williamson, and song lyric transcriptions by Juan de Marcos González and Maria Rodríguez with English translations by Jenny Adlington and Francesca Clarke (47 p. : ill.) included.

G. Summary

If the DVD-Audio is a nonmusical sound recording, give a summary of the content unless another part of the description provides enough information. A summary should be brief and impartial. If using a summary from the container or from an outside source, enclose the summary in quotation marks and cite the source.

H. Contents

Use the contents note to list the following information if available and deemed necessary or useful -- individual tracks or works, the composers of those particular tracks or works, and performers specific to those tracks. Durations of each track are also recorded here.

I. Publisher's Numbers

Publisher's numbers are found either on the disc itself or on the container. ‑ Record the publisher number in the MARC 21 028 field with first indicator 0.

Enter a single publisher number with second indicator 2. If there are multiple publisher numbers, enter them in a single 028 field (with second indicator 2), or enter them in multiple 028 fields (with second indicator 0) and record the numbers and their source in a note.

Other Fields

MARC 21 007
The 007 for DVD-Audio is the same as for compact discs. The only difference is in byte 04 (Configuration of sound channels). This should be recorded as "z" for "other".

MARC 21 041
Note that sound recordings code spoken or sung text in the 041 subfield (d); subfield (a) is only for written text in the music format.

Physical Description Option 1 (Traditional SMD)

Sound Recordings ▼	Rec stat	n	Entered	20051212		Replaced	20080628122747.7
Type j	ELvl M	Srce d	Audn		Ctrl	Lang eng	
BLvl m	Form	Comp rc	AccM		MRec	Ctry cau	
	Part n	TrAr n					
Desc a	FMus n	LTxt	DtSt s		Dates 2005 ,		

007		s ‡b d ‡d f ‡e s ‡f n ‡g g ‡h n ‡i n ‡j m ‡k m ‡l n ‡m e ‡n d
007		v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡i q

```
000  01317njm  2200337Ma 4500
006  g|||            vl
007  sd fsngnnmmned
007  vd cvaizq
008  051212s2005    caurcnn           n eng d
024 1 $a00075993864328
028 02$a38643-2$bWarner Bros.
110 2 $aSun (Musical group)
245 10$aBlame it on the youth$h[sound recording] /$cthe Sun.
260    $aBurbank, CA :$bWarner Bros.,$cp2005.
300    $a1 sound disc :$bdigital ;$c4 3/4 in.
500    $aDVD-audio.
500    $a"Parental advisory, explicit content"--Container.
500    $a"Do not attempt to play on a CD player"--Container.
505 0 $aMust be you (3:20) -- Say goodbye (3:24) -- Justice (2:49) --
Romantic death (3:10) -- 2B4 (2:09) -- Lost at home (3:06) -- Waitin'
on high (2:58) -- Rockstop (3:40) -- We tried (3:30) -- Pavement jive
(3:37) -- These heights (3:20) -- Taking the Lord's name in vein
(4:05) -- Lose your money (3:30) -- Valentine (4:03).
```

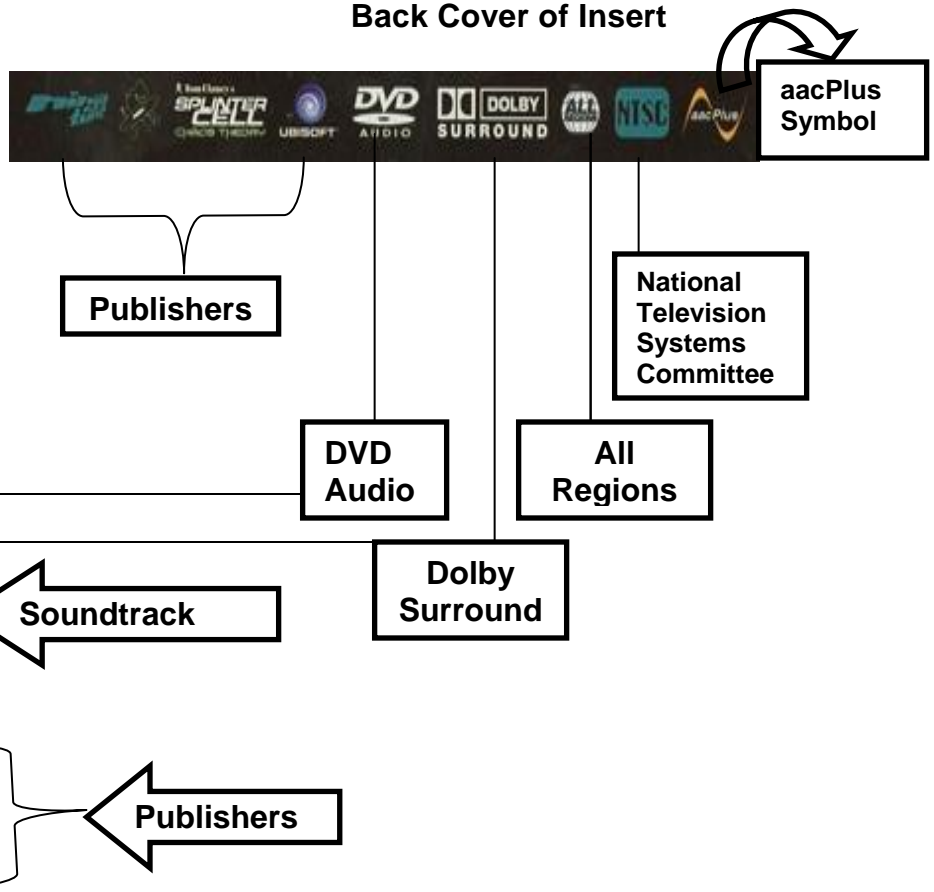# Physical Description Option 2 (Common Usage Term)

Disc Label

Front Cover

Back Cover of Insert

Physical Description Option 2 (Common Usage Term)

Sound Recordings	Rec stat	n	Entered	20061229		Replaced	20080624121703.6

Type	j	ELvl	4	Srce		Audn		Ctrl		Lang	zxx
BLvl	m	Form		Comp	pp	AccM		MRec		Ctry	quc
		Part	n	TrAr	n						
Desc	a	FMus	n	LTxt		DtSt	s	Dates	2005	,	

007		s ‡b d ‡d z ‡e q ‡f n ‡g g ‡h n ‡i n ‡j m ‡k m ‡l n ‡m e ‡n d
007		s ‡b d ‡d z ‡e s ‡f n ‡g g ‡h n ‡i n ‡j m ‡k m ‡l n ‡m e ‡n d
007		v ‡b d ‡d c ‡e v ‡f a ‡g i ‡h z ‡i k

```
000 02035njm  22004214a 4500
006 m         h
006 g---               va
007 sd zqngnnmmned
007 sd zsngnnmmned
007 vd cvaizk
008 061229s2005    qucppnn              n zxx
028 02$aZEN DVA100$bNinja Tune
100 1 $aTobin, Amon.
245 10$aChaos theory$h[sound recording] :$bthe 5.1 surround soundtrack
to Tom Clancy's Splinter cell, chaos theory /$cAmon Tobin.
260    $aMontreal :$bNinja Tune,$cp2005.
300    $a1 DVD-audio :$bdigital, surround, stereo. ;$c4 3/4 in.
500    $aInstrumental music: Amon Tobin with other musicians.
500    $a"Written, produced, and arranged by Amon Tobin"--Booklet.
500    $aOriginal sound track for the video game, Tom Clancy's Splinter
cell: chaos theory, developed and published by Ubisoft in 2005.
500    $aBonus features include the video for El cargo; the Splinter
cell game trailer; an extra audio track, Stolen; and a biography of
the composer.
500    $aContains a DVD-ROM section with the album in Apple's Lossless
format digital audio files playable on any Mac or PC with iTunes
software, and on iPod players; and as accPlus files in both stereo and
5.1 for computers, mobile phones, and portable players.
500    $aComposer and performer resides in Canada.
505 0 $aThe lighthouse -- Ruthless -- Theme from battery … 538
$aHigh resolution 5.1 surround sound requires DVD-audio player; Dolby
digital 5.1 surround and 2.0 stereo downmix, and all video content,
are playable on all DVD-video players.
```

Physical Description Option 3 (LC Usage)

Sound Recordings ▾   Rec stat n   Entered 20080111   Replaced 20080111090250.2

Type j   ELvl I   Srce d   Audn [ ]   Ctrl [ ]   Lang zxx

BLvl m   Form [ ]   Comp zz   AccM e i [ ][ ][ ][ ]   MRec [ ]   Ctry quc

           Part n   TrAr n

Desc a   FMus n   LTxt [ ][ ]   DtSt s   Dates 2007 , [ ]

007 [ ][ ] s ǂb d ǂd z ǂe z ǂf n ǂg g ǂh n ǂi n ǂm e ǂn u

```
000 01633njm  2200433Ia 4500
006 g---            vu
006 m        u
007 sd zzngnn|||eu
008 080111s2007    quczznn  ei      n zxx d
024 1 $a771028078899
028 02$aIMED 0788$bEmpreintes Digitales
041 0 $geng$gfre
100 1 $aHarrison, Jonty,$d1952-
240 10$aSelections
245 10$aEnvirons$h[sound recording] /$cJonty Harrison.
260   $aMontrâeal, Quâebec :$bEmpreintes Digitales,$cp2007.
300   $a1 sound disc :$bdigital, DVD ;$c4 3/4 in.
500   $aElectroacoustic music.
500   $aProgram notes in English and French (1 folded sheet) inserted
in container.
505 0 $aUndertow (2007) (12:19) -- ReCycle (1999-2006) (47:39) -- Rock
'n' roll (2004) (11:43) -- Internal combustion (2005-06) (11:43) --
Free fall (2006) (7:54) -- Streams (1999) (16:12) -- Afterthoughts
(2007) (15:59).
```

V.   Cataloging DVD-ROMs (Electronic Resources)

**By Francie Mrkich and Sueyoung Park-Primiano;
updated by Julie Moore, Anchalee P. Roberts, and
Carolyn Walden**

This section addresses cataloging commercially available non-cartographic electronic resources issued on DVD-ROM format using Amendments 2001 and 2004 to AACR2 and *MARC 21 Format for Bibliographical Data*. For the purpose of this document, DVD-ROM format is used, although it is possible that some resources may be issued on a recordable DVD format such as DVD-R, DVD-RAM, DVD-RW, and DVD+RW.

According to Chapter 9, AACR*,* some electronic resources may include "components with characteristics found in multiple classes of materials so there will frequently be a need to consult other chapters." When this occurs, consult the additional chapters as well for descriptive cataloging instructions. Cataloging an electronic resource issued in a DVD-ROM format is similar to cataloging an electronic resource issued on CD-ROM. However, the 2001 and 2004 Amendments resulted in several significant changes to Chapter 9, Electronic Resources, formerly entitled "Computer Files."

Chief Source of Information
A major change in Chapter 9 is the redefinition of the chief source of information. The chief source is now the DVD-ROM itself and its container and/or accompanying materials.

Leader
Determining the most significant aspect of the DVD-ROM's <u>content</u> is one of the first important decisions to be made in cataloging a DVD-ROM (or any electronic resource for that matter). That decision determines the format on which to catalog the DVD-ROM. As an example, a textual finite resource will result in coding the Leader 06 (Type of Record) character position "a" for language material. If the content of the resource is a map, then Leader 06 (Type of Record) is to be coded "e" for cartographic material. If the content of the resource is a moving image, then Leader 06 (Type of Record) is to be coded "g" for projected medium. Leader 06 (Type of Record) coded "m" for "computer file" is reserved for the following types of electronic resources:

- computer software (including programs, games, fonts)
- numeric data
- computer-oriented multimedia
- online systems or services

In case of doubt or if the most significant aspect of the DVD-ROM's content cannot be determined, then the Leader 06 (Type of Record) is coded "m" for computer file by default. See http://www.oclc.org/support/documentation/worldcat/cataloging/electronicresources/default.htm for additional information concerning Leader/06.

Fixed-length Data Elements
The 006 field is used to describe additional characteristics that cannot be coded in the 008 field.

The 007 field describes in coded form the physical characteristics of the electronic resource.

The 008 field contains coding that describes the basic characteristics of the resource as a whole. However, the 008 field is non-repeatable.

A. 006 Fixed-length Data Elements—Additional Material Characteristics (Optional; Repeatable)
If the DVD-ROM is not coded "m" in Leader/06 (e.g., a DVD-ROM consisting primarily of text, images, maps, or video), the 006 field is used to record the coded computer file aspects of the item, i.e., the 006/00 (Form of Material) character position will be coded "m" for computer file. Code other values as appropriate. It is possible that there may be some redundancy between the 006/007/008.

The coding for the 006 is explained in *MARC 21 Format for Bibliographic Data* <http://www.loc.gov/marc/bibliographic/bd006.html> as well as the *OCLC Bibliographic Formats and Standards* <http://www.oclc.org/bibformats/en/fixedfield/default.shtm>

> **Example:**
>
> 006   m   d f
> The only possible elements in this field are:
> 00 Type = m (Computer files/Electronic resources)
> P
> 09 File (in this example, d=document)
> 11 Government Publication (in this example, f=federal)

B. 007 Fixed-length Data Elements -- Physical Characteristics (Electronic Resource) (Required; Repeatable)
This field is used to identify the physical characteristics of the DVD-ROM in a coded form. The category of material should be coded "c" for computer file, with the specific material designation coded "o" for optical disc and dimension coded "g" for 4 3/4 in. Add the appropriate codes for color and sound.

The coding for the 007 is explained in *MARC 21 Format for Bibliographic Data* <http://www.loc.gov/marc/bibliographic/bd007.html> as well as the *OCLC Bibliographic Formats and Standards* <http://www.oclc.org/bibformats/en/0xx/007comp.shtm>

Example
007   c $b o $d c $e g $f a

$a (Category of material) = c (electronic resource)
$b (Specific material designation) = o (optical disc)
$d (Color) = c (multicolored)
$e (Dimensions) = g (4 ¾ in.)
$f (Sound) = a (Sound)

C. 008 Fixed-length Data Elements
(Required; Not Repeatable)
(In mnemonic form, the Leader plus the 008 is represented as the "fixed field.")

If the DVD-ROM does not consist of programs or multimedia and the Leader/06 character position is coded something other than "m," be sure to code the 008/23 (Form of item) character position "s" for "Electronic." If the Leader/06 character position is coded "m" (for computer file), be sure to identify the Type of computer file from the choices provided in MARC 21 008/26.

Title and Statement of Responsibility Area
Transcribe the title proper and parallel title or other title information and statements of responsibility as found on the chief source of information. New with Amendments 2001 is the redefined general material designation. Use "[electronic resource]" as the GMD.

245 00   Encyclopedia Britannica 2007 deluxe [electronic resource].

245 14   The American Sign Language handshape dictionary DVD $h [electronic resource] / $c by James Monaco.

245 00   40 years of X-Men $h [electronic resource] : $b DVD-ROM collectors edition / $c Marvel.

Give any variations in title or other title information as appropriate.

245 00   Home improvement 1-2-3.
246 3   Home improvement 1 2 3
246 3   Home improvement one-two-three
246 3   Home improvement one two three

245 00   PROSOMA.
246 1 $i Title on discs: $a PROSOMA : $b bridging the gap

245 00   Jane's air superiority collection.
246 1 $i At head of container title: $a Jane's combat simulations

Edition Area

Transcribe an edition statement as it appears on a DVD-ROM. Ignore statements referring to minor changes (see AACR 9.2B4). Do not supply an edition statement that does not appear on the item unless there is clear evidence of substantive differences from other editions. Make sure that the edition statement applies to the item as a whole and not just to a part (for example, a statement appearing on documentation may apply only to the documentation, not to the electronic resource).

250   Version 1.1.

250   Multimedia ed.

Type and Extent of Resource Area

With the adoption of the 2004 amendments, the Type and Extent of Resource Area has been deleted. This will not be applied for electronic resources. Prior to the recommendation for this deletion, terms such as "electronic data, electronic program(s), electronic data and program(s) were acceptable if readily and succinctly available. However, this information can be included in the notes area (Refer to AACR 9.7 B8)

Publication, Distribution, etc. Area

All commercially available electronic resources issued in DVD-ROM format are considered published.

260   [New York] : $b Graphic Imaging Technology, Inc., $c 2005.

260   Hollywood, CA : Gnomon Workshop ; $a [Culver City, Calif.] : $b Design Studio Press, $c [2005]

For an electronic resource produced non-commercially on a DVD format, do not record a place of publication, distribution, etc. or name of publisher, distributor, etc. Do not record "[s.l.]" or "[s.n.]" respectively in such a case.

$c 2001.

According to AACR2 rule 9.4F4, if there is no publication, distribution, etc., date which applies to the item as a whole and the item has multiple copyright dates which apply to various aspects of the production (e.g., programming, sound, graphics, documentation), transcribe only the latest copyright date. Optionally, transcribe the other dates in a note or in a contents note.

Physical Description Area
Use "computer optical disc" as the specific material designation; optionally, use conventional terminology as the SMD, e.g., DVD-ROM. Add other physical details if specified or known and give dimensions. Give information on accompanying material, if appropriate. Give differences in size if the item includes more than one physical carrier with the smaller and larger size separated by a hyphen.

> 300   1 computer optical disc : $b sd., col. ; $c 4 3/4 in.

> 300   1 DVD-ROM : $b sd., col. ; $c 4 3/4 in. + $e 1 installation guide.

> 300   2 DVD-ROMs ; $c 3-4 ¾ in.
> *Comment: Item contains 3 in. and 4 ¾ in. optical discs.*

Series Area
Transcribe series statements for material issued on DVD-ROM format in the same manner as for any other material.

Notes Area
Give the notes in prescribed order as listed below. Refer to AACR2, Chapter 9 (Electronic Resources) for a complete list of notes.

A. System Requirements
Provide information on system requirements, if readily available. Begin the note with "System requirements:"

> 538   System requirements: IBM-PC or compatible; 2 MB of free hard disk space; Windows XP, Windows 2000 ; SVGA color display capable of displaying 1024 by 768 pixels; DVD-ROM drive.

B. Source of Title Proper
Always give the source of the title proper. Consider the disc label to be   any information that is affixed, printed or stamped on the disc surface. Give the source of the edition statement if it is different from the title proper.

> 500   Title from title screen; edition from disc label.

> 500   Title from disc label.

C. Edition and History
Provide information relating to the edition or to the history of the resource.

      500   Previous eds. issued on CD-ROM.

D. Type and Extent of Resource
Provide information about the type and extent of the resource if it is considered to be important

      516   Electronic data (4 files : 600,100 records)

      516   Hierarchical file structure

E. Publication, Distribution, etc.
Provide additional notes on publication, distribution, etc., details if important and not included in the publication area.

      500   Distributed by BBC Worldwide Americas

F. Physical Description
Give the physical description in a note if using 'computer optical disc' as the specific material designation in the physical description.

      500   DVD-ROM.

      500   PC DVD-ROM.

If there are physical details not included in the physical description area, include these in a note.

      500   Stereo, sd.

      501   Disc does not work in DVD players
      Comment: Use this note for a video on DVD-ROM that is packaged to look like a regular DVD

G. Accompanying Material
Include a note on accompanying materials not in the physical description area.
      500   Accompanied by supplementary manuals.

H. Series
Make any notes on series information that is not included in the series area.

I. Dissertations
Make a note as described in 1.7B13 if the DVD-ROM is a dissertation

      502   Thesis (Ph.D)—University of Alabama at Birmingham, 2007.

J. Audience
Include a note of the intended audience if it is stated on the item or accompanying material. This is particularly useful for educational interactive multimedia software.

      521 8 Middle school students.

ESRB Rating:

Similar to DVD-Videos, rating information should also be given when found on the items. In the United States, ESRB ratings are commonly found on interactive entertainment software. The Entertainment Software Rating Board (ESRB), a non-profit independent agency, is responsible for assigning computer and video game content ratings <http://www.esrb.org/>.

 From the back of container

      521 8 ESRB rating: E, Everyone 10+ (Alcohol and tobacco reference, crude humor, mild violence**).**

 From the back of container

      521 8 ESRB rated: T, teen (for suggestive themes, violence).

K. Other Formats
If the content has been issued in other formats, provide that information in a note.

      530   Issued also in print.

L. Summary
Always give a brief statement of the purpose and content of resource.

     520   Allows viewers to access signs and some video clips of more than 1,400 word and 40 basic handshapes.

     520   A complete multimedia culinary arts education resource which includes 250 high-quality videos to teach culinary techniques and principles.

M. Contents
List the contents of the resource.

     505 0 disc 1. Install -- disc 2. Entire U.S.

     505 0 [v.1] Northeast [installation/data] -- [v.2] Mid-Atlantic -- [v.3] South -- [v.4] Great Lakes -- [v.5] North Central -- [v.6] South Central -- [v.7] Pacific.

DVD-ROM CATALOGING EXAMPLES

The following examples illustrate cataloging DVD-ROMs that are coded either as type "m" computer file, type "a" text, or type "g", projected media. The examples also include several DVD-ROM computer games. For cartographic materials on DVD-ROM, one should refer to the "Guidelines for Distinguishing Cartographic Electronic Resources from other Electronic Resources" prepared by the Library of Congress Cataloging Policy and Support Office <http://www.lcweb.loc.gov/marc/cfmap.html>

DVD-ROM Example 1 (Type m)

Computer Files	Rec stat	n	Entered	20070403	Replaced	20070403144720.7

Type	m	ELvl	I	Srce	d	Audn		Ctrl		Lang	eng
BLvl	m	File	i	GPub				MRec		Ctry	cau
Desc	a					DtSt	s	Dates	2007	,	

007			c ‡b o ‡d c ‡e g ‡f a

```
000 01803nmm  2200349Ia 4500
007 co cga|||||||||
008 070403s2007    cau           i         eng d
020    $a1593393121
020    $a9781593393120
024 1 $a798936834980
245 00$aEncyclopaedia Britannica 2007 deluxe DVD$h[electronic
resource].
246 3 $aEncyclopedia Britannica 2007 deluxe DVD
260    $aSan Francisco, CA :$bSelectsoft Pub.,$cc2007.
300    $a1 DVD-ROM :$bsd., col. ;$c4 3/4 in.
538    $aSystem requirements for Windows: Pentium III or equivalent
processor; 512MB RAM; Microsoft Windows 2000 or XP; 1.7GB free hard
disk space (2.3GB for full installation); monitor (1024 x 768
resolution, 16-bit color); sound card and speakers; DVD-ROM drive.
538    $aSystem requirements for Macintosh: PowerPC G5 or Intel Core
Processor; 512MB RAM; Mac OS 10.4x; 1.7GB free hard-disk space (2.3 GB
for full installation); monitor (1024 x 768 resolution, millions of
colors); sound card and speakers; DVD-ROM drive.
500    $aTitle from disc label.
520    $aContains over 82,000 articles, World atlas, Merriam-Webster's
dictionary & thesaurus, Britannica classics, the Britannica
BrainStomer, Timelines, and the Year in review. Includes images and
illustrations, videos and audio clips, interactive article and media
tours, and provides access to online magazine articles and Web links.
```

DVD-ROM Example 2 (Type a; Serial)

```
Continuing Resources  ▼   Rec stat  n    Entered  20070228      Replaced  20080323154237.9

Type a    ELvl        Srce  c      GPub i      Ctrl          Lang eng
BLvl s    Form s      Conf  0      Freq u      MRec          Ctry lu
S/L  0    Orig s      EntW         Regl u      Alph
Desc a    SrTp p      Cont  s      DtSt c      Dates 2005  ,  9999

007       c ‡b o ‡d u ‡e g
```
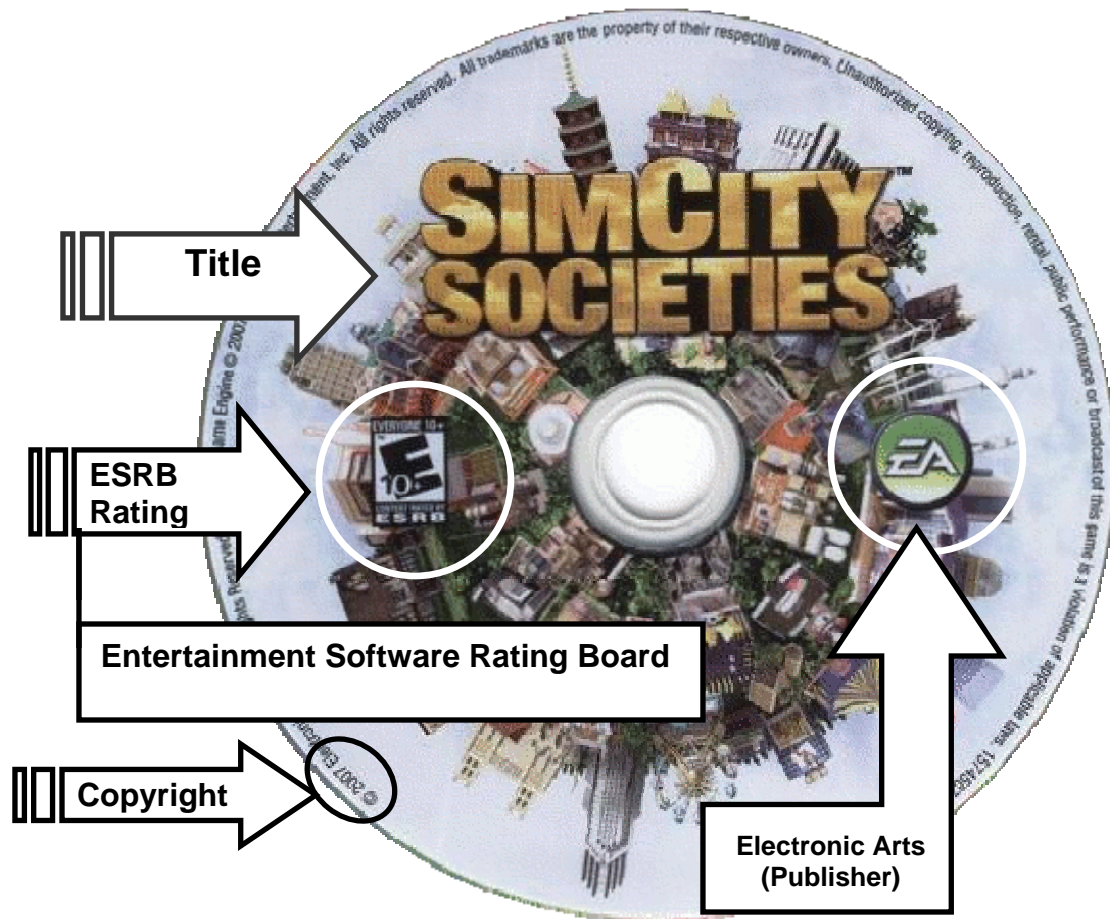
```
000 01651nas  2200397 a 4500
006 m         d i
007 co ug|||||||||
008 070228c20059999lu uu pss s  i0     0eng c
022    $y1608-7097
043    $ae------
130 0 $aEurostat electronic library (DVD-ROM)
245 10$aEurostat electronic library$h[electronic resource].
260    $aLuxembourg :$bOffice for Official Publications of the European
Communities,$cc2006-
300    $aDVD-ROMs ;$c4 3/4 in.
362 0 $a2005, publications archive 2-
440  0$aTheme--General and regional statistics
440  0$aPanorama of the European Union
500    $aTitle from disc label.
500    $aLatest issue consulted: 2006, publications archive 1.
520    $aIncludes more than 1,400 Eurostat publications in PDF format
featuring the latest indicators, news releases, nomenclatures and
other publications.
538    $aSystem requirements: Pentium PC or equivalent; Windows 9x or
higher/NT/XP; Netscape or Explorer browser version 4.0 or higher;
Internet connection (if internet access is wanted); Adobe Reader; DVD-
ROM drive.
```

DVD-ROM Example 3 (Game)

Disc Label

Title

ESRB Rating

Entertainment Software Rating Board

Copyright

Electronic Arts (Publisher)

From the Front Cover of the Container

This is played on a PC DVD-ROM drive.

DVD-ROM Example 3 (Game)

```
Computer Files  ▼   Rec stat  c    Entered  20071214        Replaced  20080116164950.6

Type  m     ELvl  I     Srce  d    Audn         Ctrl          Lang  eng

BLvl  m     File  i     GPub                     MRec          Ctry  cau

Desc  a                             DtSt  s    Dates  2007        ,


007        c ‡b o ‡d c ‡e g ‡f a
```

```
000 01772cmm  2200373Ia 4500
006 m     g    g
007 co cga||||||||
008 071214s2007     cau           i        eng d
020    $a0784544891
020    $a9780784544891
245 00$aSimCity societies$h[electronic resource].
246 3 $aSim City societies
260    $aRedwood City, CA :$bElectronic Arts Inc.,$cc2007.
300    $a1 DVD-ROM :$bsd., col. ;$c4 3/4 in. +$e1booklet (28 p. : ill.
; 18 cm)
538    $aPC DVD-ROM.
538    $aSystem requirements: Windows XP SP2 or Vista Processor ; 1.7
GHz Intel CPU or faster, or AMD XP 2100+ or faster ; 512 MB RAM ; hard
drive: at least 2.1 GB free space ; 128 MB video card ; 4 speed DVD
drive ; DirectX 9.0c compatible sound card ; DirectX  Version 9.0c
(included on disc) ; keyboard, mouse.  Windows Vista requires a 2.4
GHz processor or equivalent and 1 GB RAM.
500    $aTitle from disc surface.
500    $a1 player.
521 8 $aESRB rating: E, Everyone 10+ (Alcohol and tobacco reference,
crude humor, mild violence).
520    $a"Build artistic societies or police states, industrial
wastelands or spiritual enclaves, romantic hamlets or cyberpunk
complexes.  The power to build your utopia or your inferno is in your
hands."--Container.
```

DVD-ROM Example 4 (Type g)

Visual Materials		Rec stat	c	Entered	20050921		Replaced	20080801173219.8

Type	g	ELvl	I	Srce	d	Audn		Ctrl		Lang	eng
BLvl	m	Form	s	GPub		Time	1 5 0	MRec		Ctry	cau
Desc	a	TMat	v	Tech	c	DtSt	s	Dates	2005	,	

007			c ‡b o ‡d c ‡e g ‡f a

```
000 02232cgm  2200457Ia 4500
006 m     g     g
007 co cga|||||||||
008 050921s2005    cau150          s    vceng d
020    $a1597629669
020    $a9781597629669
024 1 $a805366013738
029 1 $aAU@$b000040944397
100 1 $aPugh, Nick.
245 10$aCreature and environment rendering$h[electronic resource]
/$c[produced by] Design Studio Press, the Gnomon Workshop.
260    $aHollywood, CA :$bGnomon Workshop ;$a[Culver City, Calif.]
:$bDesign Studio Press,$c[2005]
300    $a1 DVD-ROM (ca. 150 min.) :$bsd., col. ;$c4 3/4 in.
440  0$aDigital rendering and techniques with Nick Pugh
538    $aSystem requirements: 1 GHz or faster processor; 512 MB or
greater RAM; 64 MB or greater video RAM; 5 GB or greater hard disk
space; Windows XP Professional or 2000 or Apple Mac OS x 10.2
(minimum); 1280 x 1024 or greater display; DVD-ROM drive; QuickTime
Movie and Acrobat Reader.
500    $aDisc does not work in DVD players.
500    $aTitle from the title screen.
511 0 $aInstructor, Nick Pugh.
520    $aDemonstrates digital techniques in Adobe Photoshop for
rendering a creature in an environment that was previously created in
the Originality in Design DVD …
500    $aIncludes lecture notes, resources, and sample files.
505 0 $aImporting the image -- Setting up the picture -- Creating
layers using channels -- Creating depth -- Detail refinement --
Preserving the original design language -- Reflections in water.
```

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