

Guidebook for DVD-Video Text Data Usage

Version 1.0

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DVD Forum



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*** The terms written in italics are DVD related terminology.
Please refer to the format book for the definition of each term.**

**Special Thanks; Columbia TriStar Home Video
 Sony Music Entertainment
 Sony Pictures Entertainment
 Pioneer Corporation
 Sony Corporation**

Chapter 1: Introduction

According to the DVD Video Format DVD Text is a database of software contents in which various kinds of text-based information may be described.

(Ref. Annex A, Part 3 VIDEO SPECIFICATIONS,
DVD Specifications for Read - Only Disc)

DVD Text items can be generally categorized into three different types according to the intended purpose.

1. Text items that consist of useful information mainly for consumers

This type of text data communicates information to hardware, such as DVD players or DVD-ROM drives, to help the consumer in various kinds of sorting. The consumer can use this text information for sorting, display, etc.

2. Text items that consist of convenient information for content providers or authoring studios

This type includes items defined as 'Administration' or 'Vender Unique' such as product numbers, release dates, or authoring information.

Note) Items in 1 and 2 are not clearly differentiated. It is not guaranteed that 'Administration' or 'Vender Unique' information is invisible to the consumer.

3. Text items for describing supplemental information to data stream of video or audio

This type includes supplemental information that supports and expands various kinds of hardware functions. This information is not intended for the consumer.

While the contents of DVD Text are so diversified, specific ways of data input for content providers are not precisely described in the format book.

This guidebook introduces the recommended usage of the first category – **1. Text items that consist of useful information mainly for consumers**. We hope this book assists user-friendly software and hardware production, project planning and designing, and consequently helps DVD become more popular.

Chapter 2: Outline of the DVD Text Format

This chapter explains the outline of the DVD Text Format. Refer to the format book for detailed information.

2-1. Recognition of DVD Text Items and DVD Text Structure

Since DVD Text is optional for both hardware and software on the format, not all players can recognize every text item.

To describe text data, each code from the following two hierarchies should be defined to allow players to recognize where in the contents data structure the text belongs and what type the text contents are.

Structure_IDCD (Identifier Code): this is the first hierarchy in which the player recognizes where the text belongs in the disc logical structure or in the data stream. Refer to **Table 1: Definition of IT_TXT_IDCD (Structure_IDCD)** for Text items.

Application_IDCD (Identifier Code): this is the second hierarchy in which the player recognizes the content type of text. Refer to **Table 2: Definition of IT_TXT_IDCD (Application_IDCD)**. Its outline is described in **2-3. Text Items in Application_IDCD**.

2-2. Basics of Text Data Input

Refer to **Figure 1: An example of a TXTDT**. As seen from the example, a code from *Structure_IDCD* and an appropriate code for the contents from *Application_IDCD* should be described. Describe text contents after the each code number.

By using several combinations of *Structure_IDCD* (Table 1) and *Application_IDCD* (Table 2), text contents may be described in the following units: *Volume*, *Title* (when multiple titles on a disc), *Part_of_Title* (chapter), and *Cell* (ex. a scene from one chapter). To make each text unit function properly, *Volume*, *Title*, *Part_of_Title* and *Cell* should be properly defined from the authoring stage.

As mentioned above, the structure of software contents and text data are closely related. (see **Appendix 1: Software Contents Structure**)

Text data may be described in multiple languages when grouping the text data into languages. The number of the languages used is not restricted. Up to 64 K byte text data may be described in each language.

Following character sets are allowed for use. Each character set has a character code.

01h : ISO 646

10h : JIS Roman[14]*and JIS Kanji1990[168]*

11h : ISO 8859-1

12h : JIS Roman[14]*and JIS Katakana[13]*including Shift JIS Kanji

Others : reserved

* : The numbers in [] are ISO 2022 registration numbers.

2-3. Text Items in *Application_IDCD*

Table 2: Definition of *IT_TXT_IDCD (Application_IDCD)* is important for content providers from which text items are selected to describe the data. The listing is composed in simpler language used in practical software production rather than technical terms in the format book.

2-3-1. Differences in Text Items between General Class and Other Classes

The text items in General Class in 'Classification' (see Table 2) can be described only once in every *Structure_IDCD*. In case the player is to select only one out of several text items, the text item from General Class is selected and displayed. Therefore, 'Name (30h)' should include the most important name considered, which generally represents the software contents.

'Comments (31h)' is basically up to content providers but may also include such important categories as 'Sub-title', 'Leading Actor', 'Leading Actress' or 'Artists', which were not included in 'Name (30h)'.

Text items, aside from those in General Class, are allowed to be described more than once, which allows a long text description to be divided into two or more parts. The player therefore can display the divided text contents and the display becomes easier to read.

2-3-2. Title Name

Title Name has three different Classes: 'Title Name', 'Title Name (sub)' and 'Title Name (original)'.

Title Name includes the main title of the disc.

Title Name (sub) includes sub-title or different title name for each country.

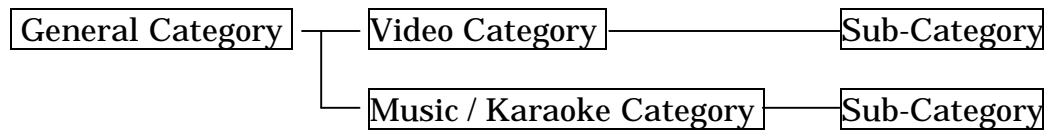
Title Name (original) may include the original title to be particularly mentioned.

2-3-3. Category

Category Class is intended for sorting out genres.

Category Class is divided into four parts: General Category, Video Category, Music / Karaoke Category, and Sub-Category.

Software is first roughly distinguished by General Category according to the software's purposes, and further divided into following two categories, Video Category and Music / Karaoke Category. Movies are included in Video Category. Both Categories have a Sub-Category for more detailed genres.



Some items in *Application_IDCD* are intended only for music or movie software. For example, 'Movie', 'Music Album', 'Song' in 'Title Name' are only intended for music software, while 'Leading Actor', 'Supporting Actor' in 'Character' only for movie software.

Each category should be appropriately defined to have the player's sorting function work properly.

2-3-4. Sorting in Extension

Describe supplemental data in Sorting in all Classes.

Describe Sorting data after the original text contents, such as a name of a title, music genre or a name of person.

The Sorting item is, for example, very important when describing the name of a person. Since the player usually uses the family name for searching, the name in text contents for Sorting should be in the order of Family Name + First Name, regardless of the actual order of the name.

Especially, Sorting items for Video Category and Music / Karaoke Category are described genre code number. Because the code number brings that it is more accurate for a player to recognize the genre.

Chapter 3: Practical DVD Text Data Input

There is no limitation in the number of languages used on a disc. About 65,000 letters are allowed for each language.

However, while Text can include vast amounts of data, '**1. Text items which consist of useful information mainly for consumers**' (see Chapter 1) are closely related to hardware functions.

How text contents are displayed or sorted largely depends on each player's functions. To display multiple languages in a disc, the player needs to have the function to recognize and display all the characters of the languages used in the disc. As text information is to appear on the player's display or TV monitor, the limited display space is one of the key elements to determine the number of letters of each text message.

This chapter introduces recommended text information.

Note) The player may have the function to scroll the data. This function allows a text message to include more letters, however such scrolled information is not easy to read.

3-1. Essential Items and Data Input

The following are items of highest priority in DVD Text.

3-1-1. General Name *Application_IDCD = 30h*

Be sure to describe a name which generally represent the whole disc (*Volume*). Even when a disc contains multiple titles, one representative name for the whole disc is one of the mandatory text items.

For example, the main title for movie software or album name for music software is appropriate, since these names are usually considered most important by content providers.

In this item is capital and small letter sensitive.

When a disc is double-sided or a title has multiple volumes, specify the playback order in figures as -1, -2, -3, -4. Do not use letters for numbering, such as -one, -two, -three, -four, which will be sorted in alphabetical order as -four, -one, -three, -two.

In case of a double-sided disc composed of the same contents with different aspect ratios or audio streams, no such numbers are necessary.

If you name the units of *Title* (when multiple titles on a disc) or the units of *Part_of_Title* (chapter) in the *Volume* (Disc), you describe them better in General Name (30h) than Title Name.

3-1-2. Series Name *Application_IDCD* = 38h

The name of series software is one of the most convenient factors in sorting. If there is any common name for series software, describe it in Series Name, not in General Name.

3-1-3. Title Name *Application_IDCD* = 39h,3Ah,3Bh,3Ch,3Fh

Title Name in this section refers to the name of the software title itself. Each Title Name has different codes according to the contents, such as 'Movie', 'Video', 'Music Album', 'Song', or 'Other'.

For music software, the name of each song should be described in Song (3Ch).

In case there are particular points in other software that should be named and accessed by the consumer, select appropriate codes and describe text contents for these parts.

Release year of the original music or movie works is useful information for consumers in sorting. Describe it in figures in 'Other (3Fh)' in Title Name.

Although General Name and Title Name may often have the same data, the two items may have different data. In all cases General Name is the first priority in sorting on the player's display.

Note) DVD Video Format allows such optional functions as Navigation Command for content providers to restrict the consumer's access. Prohibition of fast and slow play or skip, or compulsory playback sequence between certain points may be set up. In such cases the restricted area cannot be accessed even when text information appears on the sorting display. Do not describe names of such restricted parts.

3-1-4. Genre Application _IDCD = 9Ch, 9Dh, 9Eh, 9Fh

Genre is also a very important factor in sorting. There are varieties of genres and more genre categories will arise. As genres are so diversified, they should be categorized in systematic order.

Based on the structure of Category Class (p.6), select an appropriate genre name from the genre listing (Table 3).

To use genre, first select one from the listing suitable for the contents. Specify the General Category and then select either Video Category or Music / Karaoke Category. In case there is no corresponding genre, select 'Other'. Describe genre code number and genre name by text form, according to **Table 3: Genre**.

Select only one genre for every *Volume*. In case a *Volume* includes multiple titles of different genres, use one of the genres of highest priority, or select 'Omnibus'.

Afterwards describe the genre of each *Title* in Category, according to the genre listing.

Sub-Category may be used when content providers require more detailed genre descriptions. General Category, Video Category or Music /Karaoke Category always necessary, regardless of the use of Sub-category.

Note) Revising of genre and genre code number

This genre listing may be revised when any significant inconvenience in sorting is identified.

3-1-5. Character Application _IDCD = 6Ch - 7Ah, 7Ch - 85h, 88h - 8Dh

It is recommended that the names of important people are included. The names of characters are also one of the important factors in sorting on the player's display.

<Video Software>

Leading Actor, Actress (Star)

Director

Producer

<Music / Karaoke Software>

Leading musician

Vocalist

Music composer

Conductor

To describe the name of a person, list the family name before the first name, and add Sorting Code (F0H) right after the name of the person (see **2-3-4. Sorting in Extension**).

Repeatedly, please describe supplemental data in Sorting in all *Application_IDCDs*.

3-2. Special Items for Karaoke software

In the case of AC-3 Karaoke software, you can make a original vocal channel (track) within each audio stream. You can also describe the vocalist name in DVD text. When you make AC-3 Karaoke included the original vocal, describe the vocalist name.

Only regarding to song name of Karaoke, be sure to describe a same name in Title name as in General name. Refer to **Figure 2-3: Karaoke Disc TXTDT Sample**.

3-3. Attention

No more than 40 letters can be used for each name.

On ordinary TV monitors, only 25 letters in a line can be viewed. When too many letters are included in a line, the letters are displayed smaller and are not easy to read. According to each player's display function, the number of lines may be limited to only one or the number of letters in a line to less than 25.

Characters available are shown in **2-2. Basics of Text Data Input**, however letters or symbols available are sometimes restricted by each player's functions.

3-4. Identification of DVD Text Form Version

When you describe DVD Text according to this Guide, you write "(space)+" "#ForumRec10" just behind "Sorting of Volume Name".

Refer to **Figure 2-1 2/2 Music ...** , **Figure 2-2 2/2 Movie ...** or **Figure 2-3 2/2 Karaoke ...** .

This description shows the identification that there is DVD Text according the rules of this Guide version 1.0. As "#ForumRec10" means "Version 1.0 of DVD Forum Recommendation", it is a specific string.

Describing this identification, it is useful for players to recognize that sorting items are fully supported, Genre is coded as three digit, etc.

Chapter 4: Preparation for DVD Text Authoring

Before starting text production, please consult each authoring studio.
The data input process and data exchange must be confirmed with the studio.

4-1. DVD Text Data Input Sheet

DVD text has various items. From software production to authoring process, the item being described should be clear at each stage. It is recommended to put the text information in writing.

Table 4 introduces an example of an information sheet for text. This is based on the essential text items recommended in Chapter 3. The text information sheet has three types according to the hierarchy: contents by *Volume* (disc), contents by *Title* (title), and contents by *Part_of_Title* (chapter) (see **2-2.** and **Appendix 1**).

Items asterisked (*) are mandatory text information.

To describe text data, one sheet for each Title or Chapter is necessary.

Refer to **Figure 2-1: Music Disc TXTDT Sample** and **Figure 2-2: Movie Disc TXTDT Sample**, for an example of Text Contents or Text Data structure.

4-2. Points to notice in authoring

This section introduces some points to notice during practical authoring of Text Contents.

4-2-1. Other Items to prepare

<Name of Text Data (12 Bytes)>

For Text Data ID, use ISO 646 Character, 12 Bytes.
Select any name.

<Language Code>

Specify language code.

<Character Set>

Specify Character Code, using Character Set mentioned in **2-2. Basics of Text Data Input**

4-2-2. Data Input

For Text Data, use only designated characters listed in **2-2. Basics of Text Data Input**. However, some of these characters become illegible on the computer or OS, which offer unique character expansion or symbols. When using a computer for text Data Input, characters used in Text and Computer Characters need to be consistent with each other.

To use a character set which is not included in the computer, a corresponding language tool should be specially provided. Accordingly, this book is intended only for English, whose language tool is equipped in most computers.

Tab is one of the characters which requires closest attention.
Tab setting is a special code used as 'punctuation' in text data.
Consult each authoring studio for the specific way of use.

Ref.) When any language unit other than English is used, the number of the languages used should also be described.

Appendix 1: Software Contents Structure

Software contents structure is hierarchical according to the DVD Video Format:

- Volume* - the whole single sided disc, the whole side of a double-sided disc
- Title* - the largest unit in '*Volume*', often called 'title'
- Part_of_Title* - a unit in '*Title*', generally called 'chapter'
- Cell* - a unit in '*Part_of_Title*', basic unit of the content to be presented, such as a scene or a cut in a movie

Among those, *Title* and *Part_of_Title* are used by the user for searching, while *Cell* is one of the key units for the access in DVD Navigation system, which makes it possible for content providers to add interactive features to software.

Since each unit has a different way of use, the differences should be identified when describing text contents. Even when producing software that presents a sequential playback, each unit should be properly defined.

In case a *Volume* is divided by *Title*, the mode and the number of audio streams or subtitles may be changed by each *Title*. Seamless playback is not guaranteed.

In case a *Title* is divided by *Part_of_Title*, the mode and the number of audio streams and subtitles may not be changed. Seamless playback is guaranteed.

Following are three practical examples in music software:

Music software that requires a sequential playback such as live concert software, needs to be composed of one *Title*. Each song should be defined as *Part_of_Title* (chapter).

Music software that has multiple songs with different modes of shooting or recording, the contents should be divided by *Title*, by each song. Seamless playback is not guaranteed. Music software that should be divided into smaller parts, such as educational software, may have the following structure: one *Title* for each song, *Part_of_Title* for each phrase, and *Cell* for each measure.

Appropriate code in *Structure_IDCD* and *Application_IDCD* for each software content largely depends on the whole software contents structure.

Appendix 2: Parental ID (03h) in Structure_IDCD

Parental ID (03h) is the identifier used internally in the player to distinguish the software contents. This is one of the items in *Structure_IDCD* that allows content providers to change the text contents according to this ID.

According to the consumer's setting, the player with parental management may judge whether or not to play the disc chosen, based on the *Parental ID* numbers provided by the DVD Format.

'Parental Level' is the level of 'Rating' such as 'PG 13', 'G', etc, defined by the rating system of each country. The maximum number of 'Parental Level's for a country is eight (8).

'*Parental ID*' does not directly indicate the 'Rating' itself.

For detailed information, refer to the format book.

Example:

Disc Setting:

<i>Parental ID</i>	→	3
Rank 0-2	→	Title name 'ABC'
Rank 3	→	Title name 'BCD'

Text data:

<i>Structure_IDCD:</i>	<i>Title</i> (02h)	
<i>Structure_IDCD:</i>	<i>Parental ID</i> (03h)	
<i>Application_IDCD:</i>	General-Name (30h)	ABC ← <i>Parental ID</i> = 0
<i>Structure_IDCD:</i>	<i>Parental ID</i> (03h)	
<i>Application_IDCD:</i>	General-Name (30h)	ABC ← <i>Parental ID</i> = 1
<i>Structure_IDCD:</i>	<i>Parental ID</i> (03h)	
<i>Application_IDCD:</i>	General-Name (30h)	ABC ← <i>Parental ID</i> = 2
<i>Structure_IDCD:</i>	<i>Parental ID</i> (03h)	
<i>Application_IDCD:</i>	General-Name (30h)	BCD ← <i>Parental ID</i> = 3

Describe *Parental ID* in every rank. *Parental ID* may not be omitted.

To support different systems of rating categories for Parental controls in different countries the whole system of Parental control is complex.

Make inquiries to the authoring studio about the use of *Parental ID* in DVD Text.

On the player without parental management, the text contents which belong to *Parental ID* are not displayed.

The specific item to describe 'Rating' itself is not specially prepared.
To describe 'Rating', the recommendable item in *Application_IDCD* is:
Work - Suggested age (67h).

Select the appropriate unit for the 'Rating' from *Structure_IDCD* (ex. *Volume*) and describe the 'Rating' (ex. 'PG 13') in Text at Work – Suggested age (67h).

Example) In case the whole disc (*Volume*) is defined as 'PG 13':

<i>Structure_IDCD:</i>	<i>Volume</i>	01h
+		
<i>Application_IDCD:</i>	Suggested age	67h
+		
Contents		PG13

Table 1 : Definition of IT_TXT_IDCD (Structure_IDCD)

<Structure_IDCD : 00h to 2Fh>

Code number	Content
00h	reserved
01h	Volume
02h	Title
03h	Parental ID
04h	Part_of_Title
05h	Cell
06h to 0Bh	reserved
0Ch to 0Fh	Provider Unique
10h	Audio stream
11h	Sub-picture stream
12h	Angle
13h to 1Bh	reserved
1Ch to 1Fh	Provider Unique
20h	Audio channel
21h to 2Bh	reserved
2Ch to 2Fh	Provider Unique

Table 2: Definition of IT_TXT_IDCD (Application_IDCD) - 1/4

Code number	Content	
	Classification	Item name
30h 31h	General	Name Comments
38h 39h 3Ah 3Bh 3Ch 3Fh	Title name	Series Movie Video Music album Song Other
40h 41h 42h 43h 44h 47h	Title name (sub)	Series Movie Video Music album Song Other
48h 49h 4Ah 4Bh 4Ch 4Fh	Title name (original)	Series Movie Video Music album Song Other
50h 51h 52h 53h	Other name	Scene Cut Take Label
58h 59h	Language	Language Original language

Table 2: Definition of *IT_TXT_IDCD (Application_IDCD)* - 2/4

Code number	Content	
	Classification	Item name
5Ch 5Dh 5Eh 5Fh 60h 61h 62h 63h 64h 65h 66h 67h	Work	Picture size Picture color Picture feature Audio feature Other feature Shooting location Country of production Production company Production studio Awarded prize Original writing Suggested age
6Ch 6Dh 6Eh 6Fh 70h 71h 72h 73h 74h 75h 76h 77h 78h 79h 7Ah 7Ch 7Dh 7Eh 7Fh	Character	Leading actor Leading actress Supporting actor Supporting actress Other actor/actress Producer Director Scenario writer Original writer Camera man Special effect director Voice actor/actress for leading actor Voice actor/actress for leading actress Voice actor/actress for supporting actor Voice actor/actress for supporting actress Leading musician Musician Vocalist Conductor

Table 2: Definition of IT_TXT_IDCD (Application_IDCD) - 3/4

Code number	Content	
	Classification	Item name
80h 81h 82h 83h 84h 85h 86h 88h 89h 8Ah 8Bh 8Ch 8Dh	Character (Continued)	Orchestra Song writer Music composer Music arranger Music producer Master of ceremonies Vocal trainer Picture creator Animator Character designer Mechanism designer Leading artist Artist
90h 91h 92h	Data	Production Award Historical background
94h 95h 96h 97h 98h 99h	Karaoke specification	Male melody original vocalist Male harmony original vocalist Other male original vocalist Female melody original vocalist Female harmony original vocalist Other female original vocalist
9Ch 9Dh 9Eh 9Fh	Category	General category Video category Music / Karaoke category Sub-category
A0h A1h A2h	Lyrics	Lyrics Beginning of lyrics Famous lyrics
A4h	Document	Liner notes

Table 2: Definition of IT_TXT_IDCD (Application_IDCD) - 4/4

Code number	Content	
	Classification	Item name
A8h	Others	Others
B0h B1h B2h B3h B4h B5h	Administration	Products number POS Code ISRC Copyright Supplier Others
B8h B9h BAh BBh BCh BDh BEh BFh	Additional administration	Release data Rental ban information Resale ban information Printing company Original products number Original release data Original supplier Original copyright
C4h C5h C6h C7h C8h C9h	Additional administration	Recording information Pre-mastering information Encoding information Authoring information Master tape information Other information
F0h	Extension	Sorting

Figure 1 : An Example of TXTDT

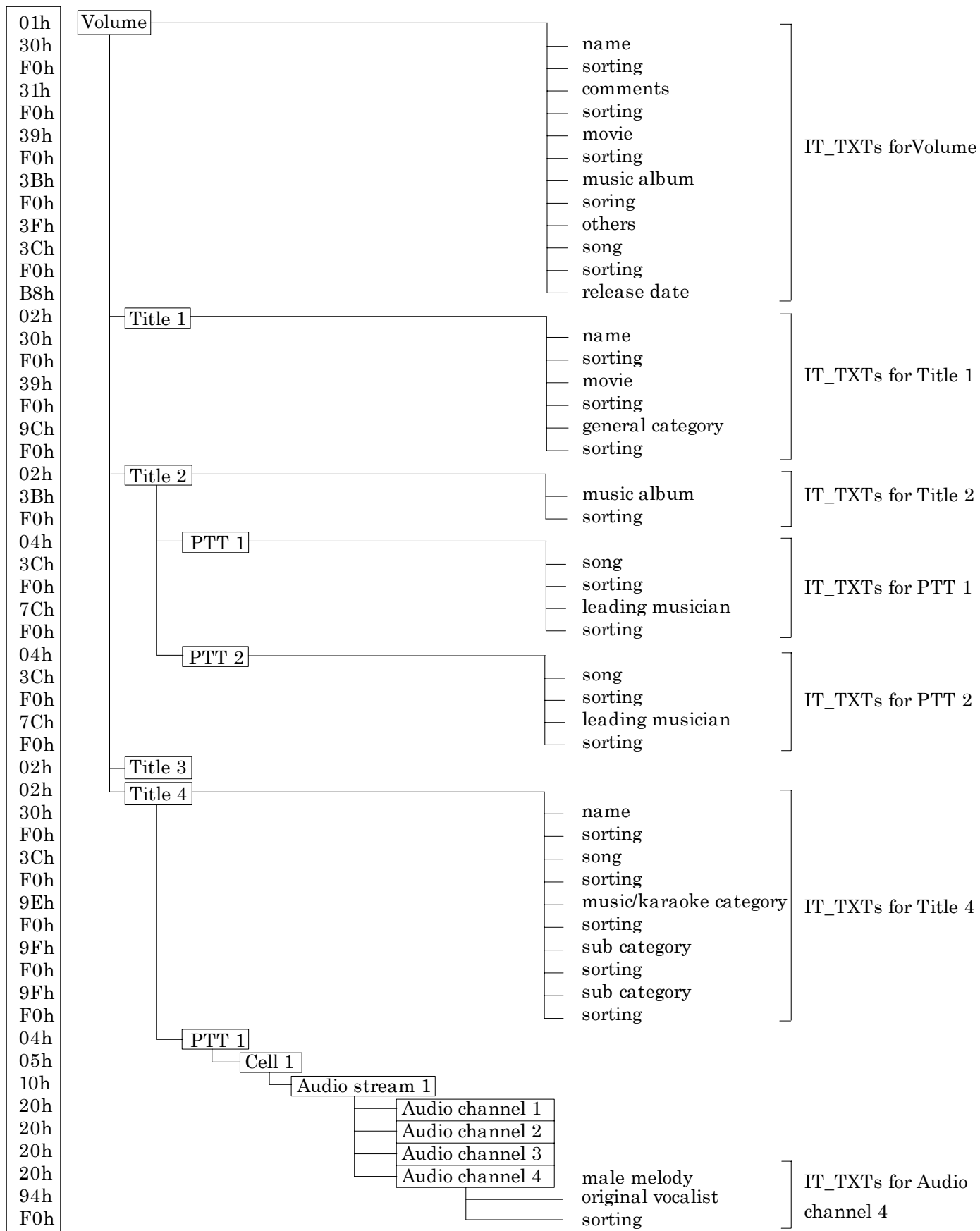


Table 3: Genre - 1/4

General Category	Video Category	Music / Karaoke Category	Code Number
Animation	Anime		601
	Children		602
	Comics		603
	Drama		604
	Other		699
Catalogue			700
Computer Graphics	Virtual - 3D		651
	2D		652
	Other		699
Educational	Agriculture		501
	Biophysics		502
	Business		503
	Language		504
	Literature		505
	Medical Science		506
	Nature Science		507
	Technology		508
	Social Science		509
	Other		599
Environment	Motion Picture		801
	Still Picture		802
Hobby			910
Interactive			950
Karaoke		Rock	101
		Pop Music	102
		RAP	103
		Jazz / Fusion	104
		Standard	105
		Blues	106
		Ballade	107
		Country	108
		Folk Music	109
		Reggae	110
		Latin	111
		Soul	112
		Dance	113
		Disco	114
		Italian Song	115
		French Song	116
	Acoustic Music	117	
	Experimental Music	118	

Table 3: Genre - 2/4

General Category	Video Category	Music / Karaoke Category	Code Number
Karaoke (Continued)		Asian Music	119
		Folk Song	120
		Hymn	121
		Music for Brass band	122
		March	123
		Orchestra	124
		Choral Music	125
		Opera	126
		Ballet	127
		Solo	128
		Modern Music	129
		Classical	130
		Japan Rock	132
		Japan Pop Music	133
		Japan New Music	134
		Japan Jazz/Fusion	135
		Japanese Standard	136
		Japanese Folk	137
		Japanese RAP	138
		Japanese Soul	139
		Japanese Moody Song	140
	Japan Standard	141	
	Japan ENKA	142	
	Japan County Song	143	
	Children's Music	147	
	Other	199	
Movie	Action		001
	Adult		002
	Adventure		003
	Animated		004
	Beach		005
	Biography		006
	Cartoon		007
	Children		008
	Classics		009
	Comedy		010
	Crime		011
	Documentary		012
	Drama		013
	Epic		014
	Erotic		015
	Family		016
	Fantasy		017

Table 3: Genre - 3/4

General Category	Video Category	Music / Karaoke Category	Code Number
Movie (Continued)	Fine Arts		018
	Foreign		019
	Historical		020
	Horror		021
	Music		022
	Musical		023
	Omnibus		024
	Romance		025
	Science Fiction		026
	Sex Comedy		027
	Shakespeare		028
	Sixties		029
	Special Interest		030
	Sports		031
	Supernatural		032
	Suspense		033
	Teen		034
	Thriller		035
	Various		036
War		037	
Westerns		038	
	Other		099
Music		Adult Contemporary	201
		Alternative Rock	202
		Children's Music	203
		Classical	204
		Contemporary Christian	205
		Country	206
		Dance	207
		Easy Listening	208
		Folk	209
		Gospel	210
		Hip Hop	211
		Holiday	212
		Jazz	213
		Latin	214
		Musical	215
	New Age	216	

Table 3: Genre - 4/4

General Category	Video Category	Music / Karaoke Category	Code Number
Music (Continued)		Oldies	217
		Omnibus	218
		Opera	219
		Operetta	220
		Pop Music	221
		RAP	222
		Reggae	223
		Rock Music	224
		Rhythm & Blues	225
		Show / Broadway	226
		Soundtrack	227
		Spoken Word	228
		Tango	229
		World Music	230
	Other	299	
Omnibus			900
Promotion	Business		901
	Demonstration		902
	Other		999
Sports	Baseball		301
	Basketball		302
	Football		303
	Golf		304
	Indoor Sports		305
	Motor Sports		306
	Soccer		307
	Summer Sports		308
	Winter Sports		309
	Other		399
TV Series	Comedy		401
	Documentary		402
	Drama		403
	Game Show		404
	Nature		405
	Travelog		406
	Other		499
Other			000

Table 4: An Example of DVD Text Information Sheet - 1/3

1. Volume (DISC) Items < *Structure_IDCD = 01h* >

What is your software, Video or Music / Karaoke ? * = Mandatory Item

Video (Movie)	Music / Karaoke	Text Contents
* Series Name [if existing]		
* Volume Name (Disc name) < <i>Application_IDCD = 30h</i> >		
Comments [if necessary] < <i>Application_IDCD = 31h</i> > Sub-title , Stars , Appeal matter		
Category (Genre) *General Category		[Select of Table 3]
*Video Category	*Music / Karaoke	[Select of Table 3]
*Sorting (Code No.)	*Sorting (Code No.)	
Sub category [if necessary]		
* Characters Leading Actor Sorting	* (Artist) Leading Musician Sorting	
Leading Actress Sorting	Vocalist Sorting	
Supporting Actor Sorting	Conductor Sorting	
Supporting Actress Sorting	Orchestra Sorting	
Producer Sorting	Song Writer Sorting	
Director Sorting	Music Composer Sorting	
	Music Producer Sorting	

Table 4: An Example of DVD Text Information Sheet - 2/3

2. Title Items < *Structure_IDCD* = 02h > () of ()total

What is your software, Video or Music / Karaoke ? * = Mandatory Item

Video (Movie)	Music / Karaoke	Text Contents
*Series Name [if existing and up to 2 titles of disc]		
*Title Name < <i>Application_IDCD</i> = 30h >	*Song name	
Comments [if necessary] < <i>Application_IDCD</i> = 31h > Sub-title , Stars , Appeal matter		
Category (Genre) *General Category		[Select of Table 3]
*Video Category	*Music / Karaoke	[Select of Table 3]
*Sorting (Code No.)	*Sorting (Code No.)	
Sub category [if necessary]		
Characters Leading Actor	Leading Musician	
Sorting	Sorting	
Leading Actress	Vocalist	
Sorting	Sorting	
Supporting Actor	Conductor	
Sorting	Sorting	
Supporting Actress	Orchestra	
Sorting	Sorting	
Producer	Song Writer	
Sorting	Sorting	
Director	Music Composer	
Sorting	Sorting	
	Music Producer	
	Sorting	

Table 4: An Example of DVD Text Information Sheet - 3/3

3. Chapter Items < *Structure_IDCD* = 04h > () of ()total

What is your software, Video or Music / Karaoke ? * = Mandatory Item

Video (Movie)	Music / Karaoke	Text Contents
Chapter Name < <i>Application_IDCD</i> = 30h >	*Song name	
Comments [if necessary] < <i>Application_IDCD</i> = 31h > Sub-title , Stars , Appeal matter		
Category (Genre) General Category		[Select of Table 3]
Video Category	Music / Karaoke	[Select of Table 3]
Sorting (Code No.)	Sorting (Code No.)	
Sub category [if necessary]		
Characters		
Leading Actor	Leading Musician	
Sorting	Sorting	
Leading Actress	Vocalist	
Sorting	Sorting	
Supporting Actor	Conductor	
Sorting	Sorting	
Supporting Actress	Orchestra	
Sorting	Sorting	
Producer	Song Writer	
Sorting	Sorting	
Director	Music Composer	
Sorting	Sorting	
	Music Producer	
	Sorting	

Figure 2-1: Music Disc TXTDT Sample - 1/2

This is an example of a music disc including 2 Titles :1st Title has 5 songs and 2nd Title has 2 songs.

When describing the following text on a DVD video disc ;

[Disc Items]	Disc name	= "Earth"
	Music album name	= ""Earth" in New York"
	Sorting	= "Earth in New York"
	Comments	= "May 29th, 1998 New York Live Concert"
	Sorting	= "1998 New York Live Concert"
	General genre of disc	= "Music"
	Sorting (Text form)	= "Music"
	Music genre of disc	= "Jazz"
	Sorting (Code number)	= "213"
	Leading musician	= "Tom Smith"
	Sorting	= "Smith Tom"
	Series	= "Tom Smith Live 3"
[1st. Title Items]	Title name	= ""Earth" in New York"
	Music producer	= "Mike Hunks"
	Sorting	= "Hunks Mike"
	General genre of disc	= "Music"
	Sorting (Text form)	= "Music"
	Music genre of disc	= "Jazz"
	Sorting (Code number)	= "213"
[1st. Chapter Items]	Song name	= "January"
[2nd. Chapter Items]	Song name	= "February"
[3rd. Chapter Items]	Song name	= "March"
[4th. Chapter Items]	Song name	= "April"
[5th. Chapter Items]	Song name	= "May"
[2nd. Title Items]	Title name	= "Bonus"
	General genre of disc	= "Music"
	Sorting (Text form)	= "Music"
	Music genre of disc	= "Rhythm & Blues"
	Sorting (Code number)	= "225"
[1st. Chapter Items]	Song name	= "November"
[2nd. Chapter Items]	Song name	= "December"

Please see TXTDT structure on the next page.

Figure 2-1: Music Disc TXTDT Sample - 2/2

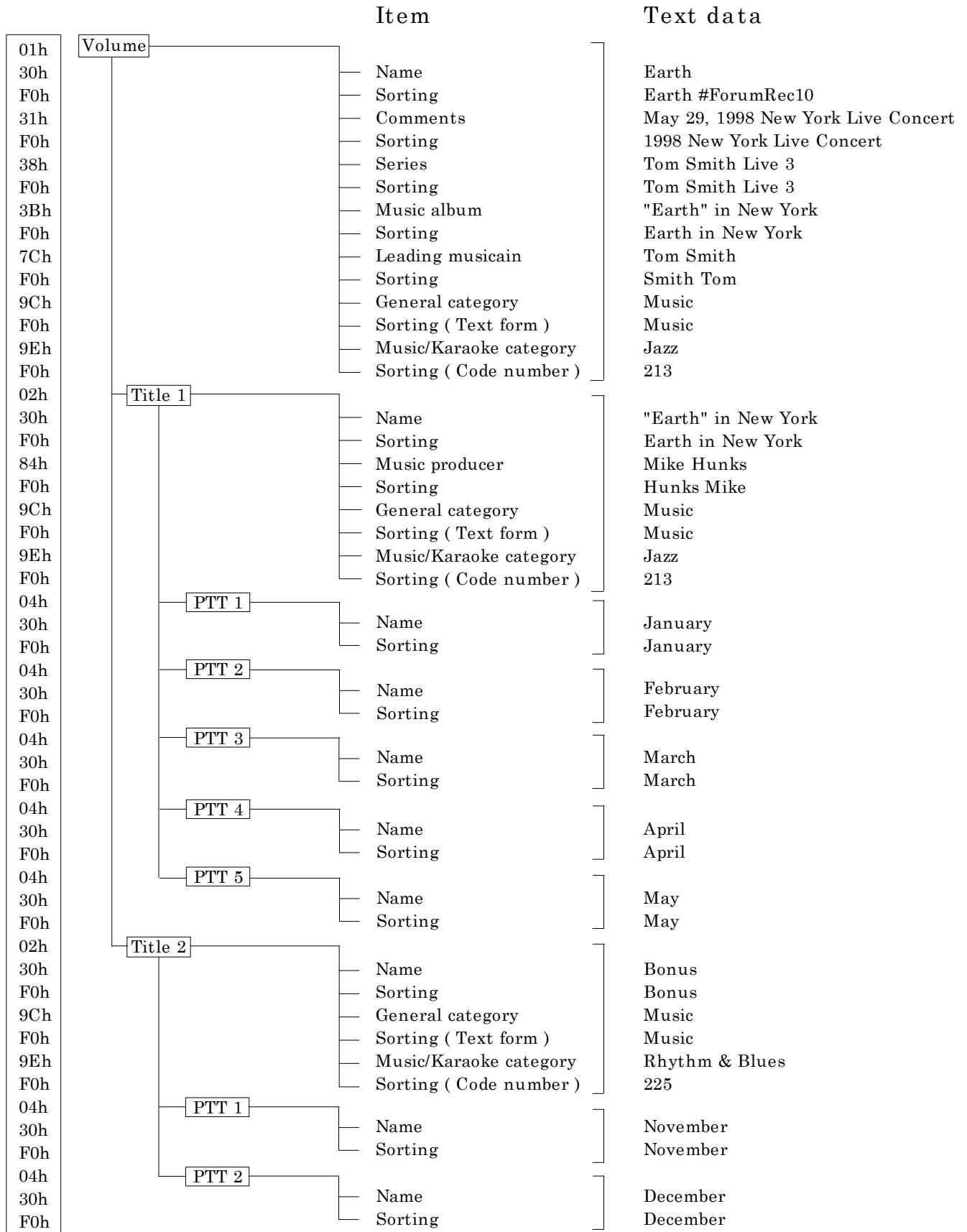


Figure 2-2 : Movie Disc TXTDT Sample - 1/2

This is an example of a movie disc including 2 Titles :one is main movie title and the other is trailer.

When describing following Text on a DVD video disc ;

[Disc Items]	Disc name	= "Mars"
	General genre of disc	= "Movie"
	Sorting (Text form)	= "Movie"
	Video genre of disc	= "Comedy"
	Sorting (Code number)	= "010"
	Leading actor	= "Tom Smith"
	Sorting	= "Smith Tom"
	Leading actress	= "Nancy Scott"
	Sorting	= "Scott Nancy"
	Director	= "Yuri Sonus"
	Sorting	= "Sonus Yuri"
	Series	= "Solar system 4"
[1st. Title Items]	Title name	= "Mars"
	General genre of disc	= "Movie"
	Sorting (Text form)	= "Movie"
	Video genre of disc	= "Comedy"
	Sorting (Code number)	= "010"
[2nd. Title Items]	Title name	= "Trailer"
	Comments	= "Release on Oct. 1,1998"
	Sorting	= "Oct. 1,1998 Release"
	General genre of disc	= "Movie"
	Sorting (Text form)	= "Movie"
	Video genre of disc	= "Omnibus"
	Sorting (Code number)	= "024"
[1st. Chapter Items]	Name	= "Jupiter"
	(option) General genre of disc	= "Movie"
	(option) Sorting (Text form)	= "Movie"
	(option) Video genre of disc	= "Family"
	(option) Sorting (Code number)	= "016"
[2nd. Chapter Items]	Name	= "Saturn"
	(option) General genre of disc	= "Movie"
	(option) Sorting (Text form)	= "Movie"
	(option) Video genre of disc	= "Thriller"
	(option) Sorting (Code number)	= "035"

Please see TXTDT structure on the next page.

Figure 2-2 : Movie Disc TXTDT Sample - 2/2

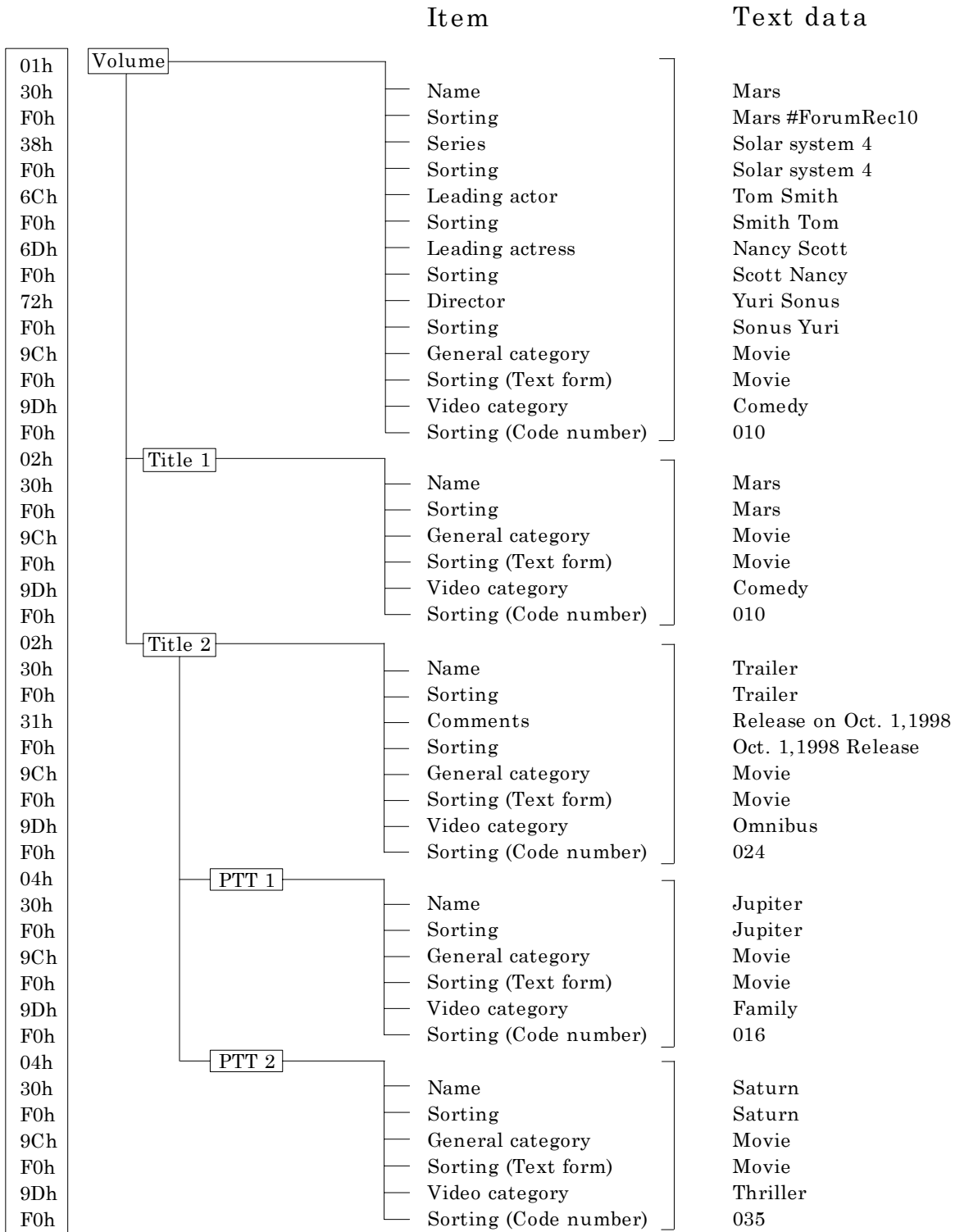


Figure 2-3 : Karaoke Disc TXTDT Sample - 1/2

This is an example of a karaoke disc including 2 titles (2 songs).

When describing following Text on a DVD video disc ;

[Disc Items]	Disc name	= "Alps"
	General genre of disc	= "Karaoke"
	Sorting (Text form)	= "Karaoke"
	Series	= "Mountains"
[1st. Title Items]	Song	= "Eiger"
	Karaoke genre of disc	= "Standard"
	Sorting (Code number)	= "105"
	Leading musician	= "Paul Paw"
	Sorting	= "Paw Paul"
	Male melody original vocalist	= "Tom Janes"
	Sorting	= "Janes Tom"
[2nd. Title Items]	Song	= "Matterhorn"
	Comments	= "Release on Nov. 1,1998"
	Sorting	= "Nov. 1, 1998 Release"
	Karaoke genre of disc	= "Ballade"
	Sorting (Code number)	= "107"
	Leading musician	= "Ann Rainbow"
	Sorting	= "Rainbow Ann"
	Female melody original vocalist	= "Anny Rain"
	Sorting	= "Rain Anny"
	Male harmony original vocalist	= "Mask Sons"
	Sorting	= "Sons Mask"

Please see TXTDT structure on the next page.

Figure 2-3 : Karaoke Disc TXTDT Sample - 2/2

