

Tag Mapping

Introduction

This page attempts to document a useful mapping between the tagging schemes used on various (audio) file formats. Hopefully this will help those developers trying to transcode or move audio data around and wish to retain their tags. It is hopefully also of use to developers that read and write metadata from audio files.

Please note that this page is about mapping tags to each other, it does not detail nor dictate the actual way the metadata is stored nor any limitations (or lack thereof). This is way beyond the scope of this page.

The terms metadata/tag/field may be used intermittently on this page to mean the same thing. Also note that this page might not be complete, and may never will be.

Please do not rely on the content being accurate.

Organization

The below tables are organized into categories of data, and within each category the ordering is roughly as follows:

- 1. tags that apply to a wider range of data (e.g. a whole CD) come before tags that apply to a narrower range of data (e.g. one track).
- 2. tags are sorted alphabetically where this is relevant.
- 3. tags that are more widely supported come before tags that are less widely supported.
- 4. tags that fall into smaller unnamed sub-categories are grouped together.
- 5. tags that appear very similar but which have not yet been mapped are listed next to each other.

This document will **not** deal with approaches to tagging, except where certain approaches to tagging are required to make mapping work.

Format-specific notes

Vorbis Comment

Tags marked ^S or ^M denote how many instances of that tag should be allowed to be stored in a file: Single or Multiple.

Matroska

Unlike other tagging systems, the same tag name (e.g. TITLE) can have different meanings based on the "TargetType" level.

The recommendation is that album-specific tags have a "TargetType" of 50 and track-specific tags have a "TargetType" of 30.

Mapping Tables

Titles

Name	ID3v1.1 ^[1]	ID3v2.2 ^[2]	ID3v2.3 ^[3]	ID3v2.4 ^[4]	iTunes MP4	WMA ^[5]	Vorbis Comment	APEv2	Matroska ^[6]	RIFF	UPnP
Album Title	Album (30 chars)	TAL	TALB		©alb ^[7]	WM/AlbumTitle ^[7]	ALBUM ⁵ [8] [9]	Album ^[7]	TITLE	IPRD ^[10]	upnp:album ^[11]
Album Title Sort Order			TSOA ^[12] / XSOA ^[7]	TSOA	soal ^[7]	WM/AlbumSortOrder ^[7]	ALBUMSORT ^[7]	ALBUMSORT ^[7]	SORT_WITH		
Original Album Title ^[12]		TOT	TOAL			WM/OriginalAlbumTitle					
Disc ^[7] / Set ^[12] Subtitle (for multi-disc sets)			TSST ^[12]		----:com.apple.iTunes:DISCSUBTITLE ^[7]	WM/SetSubTitle ^[7]	DISCSUBTITLE ^[7]	DiscSubTitle ^[7]	SUBTITLE		
Show Name					tvsh ^[7]						
Show Name Sort Order					sosn ^[7]						
Content Group ^[12]		TT1 / GP1 ^[13]	TIT1 / GRP1 ^[13]		©grp ^[7]	WM/ContentGroupDescription ^[7]	GROUPING ^[7]	Grouping ^[7]			
Work Title		TT1 ^[13]	TIT1 ^[13] / TXXX:WORK		©wrk ^[14]	WM/Work ^[7]	WORK ^[7]	WORK ^[7]			
Track Title	Title (30 chars)	TT2	TIT2		©nam ^[7]	Title ^[7]	TITLE ⁵ [8] [9]	Title ^[7]	TITLE	INAM ^[15] [10]	dc:title ^[11]
Track Title Sort Order			TSOT ^[12] / XSOT ^[7]	TSOT	sonm ^[7]	WM/TitleSortOrder ^[7]	TITLESORT ^[7]	TITLESORT ^[7]	SORT_WITH		
Track Subtitle ^[12]		TT3	TIT3		----:com.apple.iTunes:SUBTITLE ^[7]	WM/SubTitle ^[7]	SUBTITLE ^[7]	Subtitle	SUBTITLE		
Version							VERSION ⁵ [8] [9]				
Part							PART ^M [9]		PART		
Opus							OPUS ⁵ [9]		OPUS		
Movement Name		MVN	MVNM ^[7]		©mvn ^[14]		MOVEMENTNAME ^[7]		MOVEMENT		
Chapter Name							CHAPTERxxxNAME ^[16]		CHAPTER		

People & Organizations

Name	ID3v1.1 [1]	ID3v2.2 [2]	ID3v2.3 [3]	ID3v2.4 [4]	iTunes MP4	WMA [5]	Vorbis Comment	APEv2	Matroska [6]	RIFF	UPnP
Album Artist		TP2	TPE2		aART [7]	WM/AlbumArtist [7]	ALBUMARTIST [17] [7]	Album Artist [7]			upnp:albumArtist [11]
Album Artist Sort Order			TSO2 [12] / TXXX:ALBARTISTSORT [7]		soaa [7]	WM/AlbumArtistSortOrder [7]	ALBUMARTISTSORT [7]	ALBUMARTISTSORT [7]			
Track Artist	Artist (30 chars)	TP1	TPE1		©ART [7]	Author [7]	ARTIST S [8][9]	Artist [7]		IART [10]	upnp:artist [11]
Track Artist Sort Order [12]			TSOP [12] / XSOP [7]	TSOP	soar [7]	WM/ArtistSortOrder [7]	ARTISTSORT [7]				
Arranger		IPL:arranger	IPLS:arranger [7]	TIPL:arranger	©arg [14]		ARRANGER M [9]	Arranger [7]			
Author / Writer		TXT	TEXT		©aut [14]		AUTHOR M [9]			IWRI [15]	
Writer [7]						[see Lyricist]	WRITER [7]	Writer [7]			
Composer		TCM	TCOM		©wrt [7] or ©com	WM/Composer [7]	COMPOSER M [9] [18]	Composer [7]		IMUS [15]	upnp:author [11]
Composer Sort Order			TSOC [12]		soco [7]						
Conductor		TP3	TPE3		----:com.apple.iTunes:CONDUCTOR [7] or ©con [19]	WM/Conductor [7]	CONDUCTOR M [9]	Conductor [7]			
Engineer [7]		IPL:engineer	IPLS:engineer	TIPL:engineer	----:com.apple.iTunes:ENGINEER [7]		ENGINEER [7]	Engineer [7]			
Ensemble							ENSEMBLE M [9]				
Involved People [19]		IPL	IPLS	TIPL							
Lyricist		TXT=Lyricist/Lyrics	TEXT [12] [7]		----:com.apple.iTunes:LYRICIST [7]	WM/Writer [7]	LYRICIST M [9]	Lyricist			
Mix-DJ [7]		IPL:DJ-mix	IPLS:DJ-mix [7]	TIPL:DJ-mix [7]	----:com.apple.iTunes:DJMIXER [7]		DJMIXER [7]	DJMixer [7]			
Mix Engineer [7]		IPL:mix	IPLS:mix [7]	TIPL:mix [7]	----:com.apple.iTunes:MIXER [7]		MIXER [7]	Mixer [7]			
Musician Credits [19]				TMCL							
Narrator					©nrt [14]						
Organisation							ORGANIZATION [8]				
Original Artist [12]		TOA	TOPE		©ope [14]	WM/OriginalArtist					
Original Lyricist [19]		TOL	TOLY			WM/OriginalLyricist					
Performer			IPLS:instrument [7]	TMCL:instrument [7]	perf [14]		PERFORMER M [8] [9]	Performer [7]			
Producer [7]		IPL:producer	IPLS:producer	TIPL:producer	----:com.apple.iTunes:PRODUCER or ©prd	WM/Producer	PRODUCER	Producer		IPRO [15]	upnp:producer [20]
Publisher		TPB	TPUB		©pub [14]		PUBLISHER S [9]				upnp:publisher [20]
Label					----:com.apple.iTunes:LABEL [7] / ©lab	WM/Publisher [7]	LABEL S [9]	Label [7]			
(Internet[3]) Radio Station [12]			TRSN			WM/RadioStationName					
(internet[3]) Radio Station Owner [12]			TRSO			WM/RadioStationOwner					
Remixed By [12] / Mix Artist [19]		TP4	TPE4		----:com.apple.iTunes:REMIXER [7]	WM/ModifiedBy [7]	REMIXER [7]	MixArtist [7]			
Soloist					©sol [14]						
Soloists							SOLOISTS [17]				

Counts & Indexes

Name	ID3v1.1 [1]	ID3v2.2 [2]	ID3v2.3 [3]	ID3v2.4 [4]	iTunes MP4	WMA [5]	Vorbis Comment	APEv2	Matroska [6]	RIFF	UPnP
Disc Number		TPA=Disc Number/Disc Total	TPOS=Disc Number/Disc Total		disk [7]	WM/PartOfSet [7]	DISCNUMBER S [9] 4	Disc [7]			
Disc Total							DISCTOTAL [18] or TOTALDISCS [7]				
Track Number	Album Track (1 char)	TRK=Track Number/Track Total	TRCK=Track Number/Track Total		trkn [7]	WM/TrackNumber [7]	TRACKNUMBER S [8] [9]	Track [7]		IPRT [15] or ITRK [10]	upnp:originalTrackNumber [11]
Track Total							TRACKTOTAL [18] or TOTALTRACKS [7]			IFRM [15]	
Movement Number		MVI=Movement Number/Movement Total	MVIN=Movement Number/Movement Total [7]		©mvi [14]		MOVEMENT [7]	MOVEMENT [7]			
Movement Total					©mvc [14]		MOVEMENTTOTAL [7]	MOVEMENTTOTAL [7]			
Part Number							PARTNUMBER M [9]			PRT1	
Part Total										PRT2	
Play Count		CNT	PCNT								
Chapter TOC			CTOC [21]								
Chapter Start Time			CHAP [21]				CHAPTERxxx [16]				
Length [19]		TLE	TLEN							TLEN	
Popularimeter/ Rating [19]		POP	POPM		rate	WM/SharedUserRating [7]	RATING:user@email [7] or RATING			IRTD	pv:rating
Parental Advisory Rating			TXXX:ITUNESADVISORY		rtng						

Dates

Name	ID3v1.1 [1]	ID3v2.2 [2]	ID3v2.3 [3]	ID3v2.4 [4]	iTunes MP4	WMA [5]	Vorbis Comment	APEv2	Matroska [6]	RIFF	UPnP
Recording Date		TYE+TDA(+TIM)	TYER+TDAT(+TIME[22])	TDRC	©day (?) [7]		DATE M [8][9]			ICRD [15][10] but [15]=written	dc:date [11][20]
Year	Year (4 chars)	TYE	TYER	part of TDRC		WM/Year [7]	part of DATE	Year [7]			
Original Release Date		TOR (year)	TORY (year)	TDOR		WM/OriginalReleaseYear (year) [7]	ORIGINALDATE [7]				
Original Release Time						WM/OriginalReleaseTime					
Recording Dates, long date format [12]		TRD	TRDA	TXXX:recording dates [12]							
Release Date [12]				TDRL (release time)							
Tagging Time [19]				TDTG							
Period						WM/Period	PERIOD [17]				

Identifiers

Name	ID3v1.1 [1]	ID3v2.2 [2]	ID3v2.3 [3]	ID3v2.4 [4]	iTunes MP4	WMA [5]	Vorbis Comment	APEv2	Matroska [6]	RIFF	UPnP
ISRC		TRC	TSRC		©isr / ----:com.apple.iTunes:ISRC [7]	WM/ISRC [7]	ISRC S [8][9]	ISRC [7]			
EAN							EAN/UPN S [9]				
Product Number							PRODUCTNUMBER [18]				
Barcode [7]			TXXX:BARCODE		----:com.apple.iTunes:BARCODE	WM/Barcode	BARCODE [7]	Barcode			
Catalogue Number			TXXX:CATALOGNUMBER [7]		----:com.apple.iTunes:CATALOGNUMBER [7]	WM/CatalogNo [7]	CATALOGNUMBER [7] / LABELNO S [9]	CatalogNumber [7]			
Label Code									LABEL_CODE		
MCN (Media Catalog Number) [23]							CATALOG				
UPC							UPC [17]				
AcoustID [7]			TXXX:Acoustid Id		----:com.apple.iTunes:Acoustid Id	Acoustid/Id	ACOUSTID_ID				
AcoustID Fingerprint [7]			TXXX:Acoustid Fingerprint		----:com.apple.iTunes:Acoustid Fingerprint	Acoustid/Fingerprint	ACOUSTID_FINGERPRINT				
AccurateRip Disc ID							ACCURATERIPDISCID S [17]				
CD TOC		MCI	MCDI		----:com.apple.iTunes:iTunes_Cddb_1	WM/MCDI [24]	CDTOC [24]			ITOC [24]	
Cddb1 Disc ID											
MusicBrainz IDs [7]					Various						
Podcast ID			TGID [19]								
XID [25]					xid						

Notes

- The `iTunes_Cddb_1` tag consists of a "+"-separated string that contains both the Cddb1 Disc ID and a decimal-based representation of the CD's TOC, similar to (but not the same as) the hex-based format used in the `WM/MCDI`, `CDTOC` and `ITOC` tags.
- The `xid` tag consists of a colon-separated string that contains the provider name, the identifier type, and the identifier itself, e.g. `SonyBMG:isrc:USRC10900295`.

Flags

Name	ID3v1.1 [1]	ID3v2.2 [2]	ID3v2.3 [3]	ID3v2.4 [4]	iTunes MP4	WMA [5]	Vorbis Comment	APEv2	Matroska [6]	RIFF	UPnP
Compilation				TCMP	cpil [7]		COMPILATION S [17] [7]	Compilation [7]			
Podcast [19]				PCST [26]	pcst [7]						
Media Type (e.g. Music, Audiobook)					stik [14]						
Show Movement					shwm [14]						

Ripping & Encoding

Name	ID3v1.1 ^[1]	ID3v2.2 ^[2]	ID3v2.3 ^[3]	ID3v2.4 ^[4]	iTunes MP4	WMA ^[5]	Vorbis Comment	APEv2	Matroska ^[6]	RIFF	UPnP
Encoded By (person/organisation)		TEN	TENC		©enc ^[14]	WM/EncodedBy ^[7]	ENCODED-BY [§] ^[9] ^[27] ^[18]	EncodedBy ^[7]		ITCH ^[15]	
Encoder (software)		TSS	TSSE		©too ^[7]	WM/ToolName + WM/ToolVersion	ENCODER ^[27] ^[18]			ISFT ^[15]	
Encoder Settings						WM/EncodingSettings	ENCODING [§] ^[9] / ENCODER SETTINGS [§] ^[17]				
Encoding Time ^[19]				TDEN							
Gapless Playback					pgap ^[7]						
File Type ^[19]		TFT	TFLT								
Media Type ^[12] / Release Format ^[7]		TMT	TMED		-----com.apple.iTunes:MEDIA ^[7]	WM/Media ^[7]	MEDIA ^[7]	Media ^[7]		ISRF ^[15]	
Source Media							SOURCEMEDIA [§] ^[9] ^[18]				
Source							SOURCE ^[17]				
Original Filename ^[19]		TOF	TOFN								
AccurateRip Result							ACCURATERIPRESULT [§] ^[17]				
ReplayGain Album Gain		TXX:REPLAYGAIN_ALBUM_GAIN ^(?)	TXXX:REPLAYGAIN_ALBUM_GAIN				REPLAYGAIN_ALBUM_GAIN [§] ^[27]				
ReplayGain Album Peak		TXX:REPLAYGAIN_ALBUM_PEAK ^(?)	TXXX:REPLAYGAIN_ALBUM_PEAK				REPLAYGAIN_ALBUM_PEAK [§] ^[27]				
ReplayGain Track Gain		TXX:REPLAYGAIN_TRACK_GAIN ^(?)	TXXX:REPLAYGAIN_TRACK_GAIN				REPLAYGAIN_TRACK_GAIN [§] ^[27]				
ReplayGain Track Peak		TXX:REPLAYGAIN_TRACK_PEAK ^(?)	TXXX:REPLAYGAIN_TRACK_PEAK				REPLAYGAIN_TRACK_PEAK [§] ^[27]				
Relative Volume Adjustment		RVA	RVAD / XRVA ^[28]	RVA2							
Sound Check		COM:iTunNORM	COMM:iTunNORM		-----com.apple.iTunes:iTunNORM ^[14]						

URLs

Name	ID3v1.1 ^[1]	ID3v2.2 ^[2]	ID3v2.3 ^[3]	ID3v2.4 ^[4]	iTunes MP4	WMA ^[5]	Vorbis Comment	APEv2	Matroska ^[6]	RIFF	UPnP
Album Cover URL						WM/AlbumCoverURL					
Audio Source Webpage URL ^[12]		WAS	WOAS								
Chapter URL ^[16]							CHAPTERxxxURL				
Commercial Information URL ^[12]		WCM	WCOM								
Copyright URL		WCP	WCOP			CopyrightURL					
File Creator URL					©mal						
File Webpage URL ^[12]		WAF	WOAF			WM/AudioFileURL					
Label URL					©lal						
Payment URL ^[12]			WPAY								
Podcast URL ^[19]			WFED ^[26]		pur1 ^[7]						
Publisher URL ^[12]		WPB	WPUB								
Radio Station URL ^[19]			WORS								
Track Artist Web Page URL ⁷		WAR	WOAR		©pri	WM/AuthorURL	WEBSITE	Weblink			

Style

Name	ID3v1.1 ^[1]	ID3v2.2 ^[2]	ID3v2.3 ^[3]	ID3v2.4 ^[4]	iTunes MP4	WMA ^[5]	Vorbis Comment	APEv2	Matroska ^[6]	RIFF	UPnP
Genre	Genre (byte 80 or 126)	TCO	TCON		©gen ^[7] / gnre ^[14]	WM/Genre ^[7]	GENRE ^M ^[8] ^[9]	Genre	GENRE	IGNR ^[10]	upnp:genre ^[11] ^[20]
Genre ID					geID ^[14]	WM/GenreID					
Beats Per Minute ⁷		TBP	TBPM		tmpo ^[7]	WM/BeatsPerMinute ^[7]	BPM ^[7]		BPM		
Initial Key		TKE	TKEY			WM/InitialKey			INITIAL_KEY		
Mood ^[19]			TMOO		-----com.apple.iTunes:MOOD ^[7]	WM/Mood ^[7]	MOOD ^[7]	Mood ^[7]	MOOD		
Style							STYLE ^M ^[17]				
Time Signature									MEASURE		
Tuning (frequency)									TUNING		

Miscellaneous

Name	ID3v1.1 [1]	ID3v2.2 [2]	ID3v2.3 [3]	ID3v2.4 [4]	iTunes MP4	WMA [5]	Vorbis Comment	APEv2	Matroska [6]	RIFF	UPnP
Podcast [19] / Long [22] Description			TDES [26] [19]		Ides [22]						
(File) Owner [12]			TOWN		ownr						
Podcast Category [19]			TCAT [26]		catg [22]						
Podcast Keywords [22]			TKWD		keyw						
Podcast GUID [22]			TGID		egid						
Recording Copyright Message (©)				TPRO	©phg				PRODUCTION_COPYRIGHT		
Terms of Use			USER						TERMS_OF_USE		
Synced Lyrics		SLT	SYLT			WM/ Lyrics_Synchronised					
Comments	Comment (28 chars)	COM	COMM		©cmt	WM/Comments	COMMENT M [9]	Comment	COMMENT	ICMT [15][10]	
Contact							CONTACT [8]				
Copyright Message (©)		TCR	TCOP		cp rt [7]	Copyright [7]	COPYRIGHT S [8][9]	Copyright [7]	COPYRIGHT	ICOP [15]	
Description			TIT3 (I)[22]		desc [22]		DESCRIPTION [8]		DESCRIPTION		
Instrument							INSTRUMENT [17] (with performer?) [7]		INSTRUMENTS		
Language [12]		TLA	TLAN		----:com.apple.iTunes:LANGUAGE [7]	WM/Language [7]	LANGUAGE [7]	Language [7]		ILNG [15]	dc:language [20]
License [7]		WCP (single URL)	WCOP (single URL) / TXXX:LICENSE (multiple or non-URL) [7]		----:com.apple.iTunes:LICENSE	LICENSE	LICENSE S [8] [9]		LICENSE		
Location							LOCATION M [8] [9]				
Unsynced Lyrics [12]		TXT=Lyricist/ Lyrics	USLT		©lyr [7]	WM/Lyrics [7]	LYRICS [7]	Lyrics [7]	LYRICS		
Artwork		PIC	APIC		covr		METADATA_BLOCK_PICTURE [27][18] or COVERART (Deprecated) [27]	Varies			
Rights							RIGHTS [27] (proposed)				
Script [7]			TXXX:SCRIPT		----:com.apple.iTunes:SCRIPT	WM/Script	SCRIPT	Script			

Additional Information

Ape pictures

APEv2 stores each picture type with a different key according to the ID3v2 [4] APIC frame's picture type. This is unlike other formats, ID3v2 for example, where all pictures are under a single ID ("APIC") and identified by a picture type.

Picture Type	APEv2 key
Other	Cover Art (Other)
32x32 pixels 'file icon' (PNG only)	Cover Art (Png Icon)
Other file icon	Cover Art (Icon)
Cover (front)	Cover Art (Front)
Cover (back)	Cover Art (Back)
Leaflet page	Cover Art (Leaflet)
Media (e.g. label side of CD)	Cover Art (Media)
Lead artist/lead performer/soloist	Cover Art (Lead Artist)
Artist/performer	Cover Art (Artist)
Conductor	Cover Art (Conductor)
Band/Orchestra	Cover Art (Band)
Composer	Cover Art (Composer)
Lyricist/text writer	Cover Art (Lyricist)
Recording Location	Cover Art (Recording Location)
During recording	Cover Art (During Recording)
During performance	Cover Art (During Performance)
Movie/video screen capture	Cover Art (Video Capture)
A bright coloured fish	Cover Art (Fish)
Illustration	Cover Art (Illustration)
Band/artist logotype	Cover Art (Band Logotype)
Publisher/Studio logotype	Cover Art (Publisher Logotype)

Issues

Due to the re-purposing of ID3v2's TPE2 as Album Artist, we have no field to store the name of the Orchestra, yet we have a dedicated field for the Conductor.

Author / Writer / Lyricist clash through ID3v2 (worse if artist=author or title=author!)

Performers vs involved people vs musicians. All musicians are involved people; not all involved people are necessarily musicians!

Dates - some are specific (recorded/released/tagged) others are just a non-specific date.

Mp3tag

Mp3tag contains some mappings in its initial configuration:

Tag	Source	Target
VorbisComment	DATE	YEAR
VorbisComment	ORGANIZATION	PUBLISHER
VorbisComment	TRACKNUMBER	TRACK

These mappings were previously internal to Mp3tag, they are now included as initial values in the "User-defined field mappings" preference, which was introduced in version 2.45.

Notes

1. ID3v1.1 (<https://id3.org/ID3v1>) at id3.org (archived (<https://web.archive.org/web/2020619123017/https://id3.org/ID3v1>) on June 8, 2022)

2. ID3v2.2 (<https://id3.org/id3v2-00>) at id3.org (archived (<https://web.archive.org/web/20210816205319/https://id3.org/id3v2-00>) on August 16, 2021)

3. ID3v2.3 (<https://id3.org/id3v2.3.0>) at id3.org (archived (<https://web.archive.org/web/20220619123017/https://id3.org/id3v2.3.0>) on June 9, 2022)

4. ID3v2.4 (<https://id3.org/id3v2.4.0-frames>) at id3.org (archived (<https://web.archive.org/web/20220619123017/https://id3.org/id3v2.4.0-frames>) on June 19, 2022)

5. Windows Media Format Attribute List (<https://docs.microsoft.com/en-us/windows/win32/wmformat/attribute-list>)

6. Matroska Tagging (<https://www.matroska.org/technical/tagging.html>)

7. MusicBrainz Picard Tag Mapping (<http://picard.musicbrainz.org/docs/mappings/>)

8. Ogg Vorbis I format specification: comment field and header specification (<http://xiph.org/vorbis/doc/v-comment.html>) at Xiph.org

9. Ogg Vorbis Comment Field Recommendations (<http://age.hobba.nl/audio/mirroredpages/ogg-tagging.html>)

10. foobar2000 RIFF WAV tagging (<http://www.hydrogenaudio.org/forums/index.php?showtopic=105749&st=0&p=865737&#entry865737>)

11. Mapping your Media file tags to the Twonky Database (http://www.twonkyforum.com/mediawiki/index.php/Mapping_your_Media_file_tags_to_the_Twonky_Database)

12. foobar2000:ID3 Tag Mapping

13. Support for new iTunes Grouping id3 frame "GRP1"? (<https://community.mp3tag.de/t/support-for-new-itunes-grouping-id3-frame-grp1/>)

14. ExifTool QuickTime Tags (<https://exiftool.org/TagNames/QuickTime.html>)

15. Tag Frame Reference (http://age.hobba.nl/audio/tag_frame_reference.html) by Age Bosma

16. Chapter Extension (http://wiki.xiph.org/Chapter_Extension) at XiphWiki

17. dBPowerAMP

18. Field names (http://wiki.xiph.org/Field_names) at XiphWiki

19. Mp3tag Help - Tag field mappings (http://help.mp3tag.de/main_tags.html)

20. UPnP Service Template (<http://www.upnp.org/specs/av/UPnP-av-ContentDirectory-v3-Service.pdf>)

21. ID3v2 Chapter Frame Addendum (<https://id3.org/id3v2-chapters-1.0>)

22. get_iplayer Metadata Tagging (https://github.com/get-iplayer/get_iplayer/wiki/tagging)

23. CDRWIN User's Guide ([https://web.archive.org/web/20070221154246/http://www.gol](https://web.archive.org/web/20070221154246/http://www.goldenhawk.com/download/cdrwin.pdf)
[denhawk.com/download/cdrwin.pdf](http://www.gol
<a href=))

24. FLAC & Ogg Vorbis Storage of CDTOC ([https://forum.dbpoweramp.com/showthread.p](https://forum.dbpoweramp.com/showthread.php?t=16705-FLAC-amp-Ogg-Vorbis-Storage-of-CDTOC)
[hp?t=16705-FLAC-amp-Ogg-Vorbis-Storage-of-CDTOC](https://forum.dbpoweramp.com/showthread.php?t=16705-FLAC-amp-Ogg-Vorbis-Storage-of-CDTOC)) at dBPowerAmp

25. iTunes LP Development Guide ([https://www.apple.com/au/itunes/lp-and-extras/docs/D](https://www.apple.com/au/itunes/lp-and-extras/docs/IDevelopment_Guide.pdf)
[evelopment_Guide.pdf](https://www.apple.com/au/itunes/lp-and-extras/docs/IDevelopment_Guide.pdf))

26. iTunes podcast extensions (<https://github.com/judwhite/IdSharp/pull/1>)

27. VorbisComment (<http://wiki.xiph.org/VorbisComment>) at XiphWiki

28. XRVA - Experimental RVA2 (class 3) (<https://id3.org/Experimental%20RVA2>)

See also

- APE tags
- m-TAGS (foobar2000 component)
- foobar2000 encouraged tag standards
- foobar2000 ID3 tag mapping

External links

▪ ID3 v2.4.0 frames (<http://id3.org/id3v2.4.0-frames>)

▪ m-Tags (<https://hydrogenaud.io/index.php/topic,97164.0.html>) on [!\[\]\(d8fa264b7c69f5c03411d294f049d7f6_img.jpg\) hydrogenaudio](#)

▪ Matroska tag comparison table (<http://www.matroska.org/technical/specs/tagging/othertagsystems/comparetable.html>)

▪ Matroska tag specifications (<http://matroska.org/technical/specs/tagging/index.html>)

▪ Metadata/tag mapping between FLAC, mp3, and UPnP/DLNA (<https://hydrogenaud.io/index.php/topic,102013.0.html>) on [!\[\]\(3c425d6fc34206c747fb873d3d7f81ac_img.jpg\) hydrogenaudio](#) (Is there a standard? What does foobar2000 do?)

▪ Mp3tag field mappings (http://help.mp3tag.de/main_tags.html)

▪ MP4/iTunes tags (<http://atomicparsley.sourceforge.net/mpeg-4files.html>)

▪ Ogg Vorbis comment field recommendations (<http://age.hobba.nl/audio/mirroredpages/ogg-tagging.html>)

▪ Ogg Vorbis field names (http://wiki.xiph.org/Field_names)

▪ VorbisComment (<http://wiki.xiph.org/VorbisComment>)

▪ Hobba tag frame reference (http://age.hobba.nl/audio/tag_frame_reference.html)

Other similar tag mappings:

- MediaMonkey track properties (https://www.mediamonkey.com/wiki/index.php?title=WebHelp:About_Track_Properties/5.0)
- Kid3 frame list (<https://docs.kde.org/trunk5/en/kid3/kid3/commands.html#table-frame-list>)

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