

Common Metadata 'md' namespace

DETAILED REVISION HISTORY Through version 2.2

DETAILED REVISION HISTORY

This document represents a best effort to capture changes. One should use the documents showing changes as the definitive source.

Version	Date	Description
1.0	January 5, 2010	Original Version
1.1	January 6, 2011	Incorporates corrections.
1.2	November 1, 2011	Incorporates corrections and enhancements, primarily to support derived specifications.
1.2a	May 29, 2012	Editorial correction to image column and width references. No schema change. Added type description for ID types already in schema. Added 'DTS-EXPRESS' to audio Codec.
1.2d	September 24, 2012	<p>Correct spec to align with schema:</p> <ul style="list-style-type: none"> • PrimaryLanguage→PrimarySpokenLanguage, • Remove AspectRatio which was never implemented in schema. May be added later. • Remove FitToActivePixels which was never implemented in schema. <p>EIDR</p> <ul style="list-style-type: none"> • Added reference to EIDR. • Added EIDR-S ID scheme. <p>Ratings:</p> <ul style="list-style-type: none"> • Corrections and clarifications for ratings in Ireland. • Comments on Venezuela • Added "Explicit Content" to RIAA rating <p>Other</p> <ul style="list-style-type: none"> • Added 'Easy Reader' subtitle Type. • Added 'editor', 'post-production' and 'encoding' to AssociatedOrg enumerations

		<ul style="list-style-type: none"> • Fixed APID examples. • Minor editorial text corrections.
1.2e	October 11, 2012	<ul style="list-style-type: none"> • Ratings: Separated out BBFCT for theatrical BBFC. Added "E" to BBFC for Exempt content. Added Canada/CHVRS. Added ratings to indicate unrated in a given region. Added 'exempt' as a rating condition. <p>To match schema, changed cardinality of</p> <ul style="list-style-type: none"> • CountryOfOrigin to optional • BasicMetadataInfo-type/Region to optional <p>In APID definition, made ":"<extension> optional.</p>
1.2f	December 16, 2012	Moved Section 8 Content Ratings Encoding to a separate document: TR-META-CR, Common Metadata Content Ratings, www.movielabs.com/ratings
2.0	January 3, 2013	<p>Basic Metadata</p> <ul style="list-style-type: none"> • Added detailed WorkType in parallel with WorkType • TitleDisplay19 optional • OriginalTitle optional • Added back missing "AspectRatio" (optional this time). Note that FitToActivePixels was not replaced because it is redundant with PictureFormat • Added OriginalLanguage • Added VersionLanguage • Enhanced SequencInfo <ul style="list-style-type: none"> ○ Created ContentNumber-type (text + @domain) ○ Added DistributionNumber and AlternateNumber of ContentNumber-type ○ Defined HouseSequence in terms of ContentNumber-type, allowing domain (namespace) to be specified. <p>Composites/Compilations</p> <ul style="list-style-type: none"> • Added CompilationClass • Change term 'Composite' to 'Compilation' to avoid EIDR conflict. (text only)

		<ul style="list-style-type: none"> • Added any##other to CompObj-type to allow for EIDR to define ExternalID reference. • Added EntryNumber to CompObj-type • Fixed schema to have multiple instances of DisplayName (for multiple languages) • Added ChildEntryClass <p>Digital Asset</p> <ul style="list-style-type: none"> • Added Video/SignedLanguage • Added Video/Cardset • Added optional scanOrder to DigitalAssetVideoPicture-type ('BFF', 'TFF' or 'PPF') • Added PictureFormat to DigitalAssetVideoData-type • DigitalAssetVideoData-type/SubtitleLanguage --> unbounded • Added Video Picture FrameRate/@timecode • Added Audio/Encoding/BitrateAverage • Added Audio/Encoding/VBR • Added Audio/Encoding/ChannelMapping • Added Video/Encoding/BitrateAverage • Added Video/Encoding/VBR • Added Picture/ColorSampling • Added Picture/Colorimetry • Added Subtitle/Encoding and Interactive/Encoding as xs:anyType • Added Image/Language (0..n). This allows selection between multiple images associated with particular languages. • Changed the following to optional: Audio/Channels, Video/ColorType, Picture/AspectRatio, Subtitle/Format, Interactive/Language • Interactive: Redone • Added 'Private' any##other data to Audio, Video, subtitle, Image and Interactive • Watermark <ul style="list-style-type: none"> ○ Added DigitalAssetWatermark-type ○ Added Audio/Encoding/Watermark ○ Added Video/Encoding/Watermark • Added ID to Audio, Video, Subtitle, Interactive, Image DigitalAssetMetadata items (after TrackReference) • Added DigitalAssetTrackList-type • Added any##other to Video/Picture, Video/Encoding, Audio/Encoding
--	--	---

		<p>Miscellaneous</p> <ul style="list-style-type: none"> ○ Allow multiple instances of ContainerSpecificMetadata ○ Add to OrgNameType: AlternateName and @idType ○ Added Grouping Entity (from EMA Metadata) ○ Added DisplayCredit (from EMA Metadata) <p>Container</p> <ul style="list-style-type: none"> • Added elements to Container-type xs:redefine simple types • One for languages • One for each string type that is subject to redefine.
2.1	June 30, 2013	<p>Basic Metadata</p> <ul style="list-style-type: none"> • Made DisplayName optional in OrgName-type • Added @domain to numbers and sequences within ContentSequenceInfo-type <p>Digital Asset</p> <ul style="list-style-type: none"> • Corrected text to match schema for DigitalAssetAudioEncoding-type • Added additional channel mappings • Added H.265 as a CODEC (for HEVC/H.265) • Added suggested vocabulary for Video MPEG Profile and Level • DigitalAssetVideoPicture-type <ul style="list-style-type: none"> ○ Corrected schema to reflect that @multiplier is optional ○ Corrected timecode text to match schema as optional • Added @guaranteedAbsent to DigitalAssetWatermark-type <p>Container</p> <ul style="list-style-type: none"> • Added ContainerReferene and ContainerIdentifier to ContainerMetadata-type <p>Miscellaneous</p> <ul style="list-style-type: none"> • Reference added in conjunction with other

		<p>changes</p> <ul style="list-style-type: none"> • Clarified MIME encoding • Improved redefine flexibility (most schema changes are these and do not change encoding) <ul style="list-style-type: none"> ◦ Additional redefine types ◦ AssociatedOrg-type • Various Editorial
2.1a, b	July 12, 2013	Fixed DigitalAssetVideoEncoding/ActualLength from 0..n to 0..1. It is correct in the schema. Corrected Ratings reference to correct URL. (b) fixes one typo.
2.1c	January 4, 2014	Minor text corrections. References added to new Common Metadata Ratings to avoid duplication. Addition of VP9 codec. Note: no schema changes.
2.2	October 2, 2014	Added 'enhancement' video Type encoding. Added AVC Dolby Vision, HEVC Dolby Vision, AC-4 Under DigitalAssetVideoPicture-type added MasterColorVolume and ColorEncoding.