

10. GLOSSARY OF TERMS

AES	Acronym for Advanced Encryption Standard
AES	Acronym for Audio Engineering Society
AES3	Audio Engineering Society - Recommended Practice for Digital Audio Engineering Serial transmission format for two-channel linearly represented digital audio data
ANSI	Acronym for American National Standards Institute
Answer Print	A color-corrected film print made directly from the cut film negative. It is also the culmination of the creative color timing process, where final creative approval is granted before the film is duplicated for release
API	Acronym for Application Programming Interface
BER	Acronym for Basic Encoding Rules
Broadcast Wave	Digital Audio file format developed and standardized by the EBU (European Broadcast Union, a standardization organization)
Burned-In	Where visual data that is normally supplemental to a motion picture is irrevocably added to the motion-picture image by compositing the data with the underlying image
Captions	Text that is a representation, often in the same language, of dialog and audio events occurring during scenes of a motion picture. (Generally associated with a dialog and audio event translation for the deaf and hard of hearing.)
CBC	Acronym for Cipher Block Chaining mode
CBR	Acronym for Constant Bit Rate for image compression
Central Storage	A central location where the packaged Digital Cinema content is stored for a multiple screen installation
Chunk	A section of a PNG file. Each chunk has a type indicated by its chunk type name. Most types of chunks also include some data. The format and meaning of the data within the chunk are determined by the name.
CIE	Acronym for International Commission on Illumination (Commission Internationale de l'Eclairage)
Closed	Referring to visual data that is supplemental to a motion picture being displayed off-screen
COC	Acronym for Coding style Component – see JPEG 2000 specification [ISO/IEC 15444-1]
COD	Acronym for Coding style Default – see JPEG 2000 specification [ISO/IEC 15444-1]
Composition	A motion picture, or a trailer, or an advertisement, etc. Composition consists of a metadata Composition Playlist along with the essence and other metadata track files that define the work.
Container Level	Metadata that indicates the size of the image/structure container and the frame rate of the images – this does not indicate the image structure or resolution
CPL	Acronym for Composition Playlist, the definitive Playlist for specifying how a Composition is played and what track files are required

CPRL	Acronym for Component Position Resolution Layer – see JPEG 2000 specification [ISO/IEC 15444-1]
CSP	Acronym for Critical Security Parameter
D/HOH	Acronym for Deaf and Hard Of Hearing
DCDM	Acronym for Digital Cinema Distribution Master. A master set of files that have not been compressed, encrypted, or packaged for Digital Cinema distribution. The DCDM contains essentially all of the elements required to provide a Digital Cinema (DC) presentation.
DCDM*	Acronym for Digital Cinema Distribution Master*. When the DCP is unpackaged, decrypted and decompressed, it is referred to as the DCDM*. The DCDM* is visually indistinguishable from the original DCDM.
DCI	Acronym for Digital Cinema Initiatives, LLC
DCP	Acronym for a Digital Cinema Package, the set of files that are the result of the encoding, encryption and packaging process
DER	Acronym for Distinguished Encoding Rules
DES	Acronym for Data Encryption Standard. DES was adopted as a federal standard in 1976 [FIPS (46-3)] and [ANSI standard X9.32]
Distribution Package	The collection of files delivered by the distributor to the exhibitor. A Distribution Package may contain pieces of a Composition or several compositions, a complete Composition, replacement/update files, etc.
DM	Acronym for Descriptive Metadata
DRM	Acronym for Digital Rights Management
DSM	Acronym for Digital Source Master, a digital master created in post-production from which different versions and duplication masters may be created.
e.g.	Abbreviation for the Latin phrase <i>exempli gratia</i> , meaning “for example”
End Credits	A credit sequence generally shown at the end of a motion picture
Essence	Image, audio, subtitles, or any content that is presented to a human being in a presentation
ETM	Acronym for Extra-Theater Message
Event Playlist	A playlist of Compositions, describing an assembly of Compositions in sequence. An Event Playlist is typically created by a content distributor and transferred to exhibition.
Fingerprint	Dynamic playback or distribution watermark
FIPS	Acronym for Federal Information Processing Standards
FM	Acronym for Forensic Marking
Forensic Marking	Data embedded in essence to provide forensic tracking information in the event of content theft. Such marking can be visible or non-visible, audible or non-audible.
FPS	Acronym for Frames Per Second

Generic Forensic Mark Inserter	In this architecture, metadata is first created at authoring that contains: 1) locations within the title where forensic marking may be inserted, and 2) commands that set the type of steganographic marking to be used to encode the actual forensic information. In the theater, at the time of playback, the metadata is used to instruct the inserter in the Media Block how, where, and when the required information will be hidden within the sound and/or picture.
GPIO	Acronym for General Purpose Input or Output
GUI	Acronym for Graphical User Interface
HMAC	Acronym for Hashing Message Authentication Codes
HVS	Acronym for the Human Visual System
Hz	Abbreviation for Hertz, a unit of frequency expressed in cycles per second
IANA	Acronym for Internet Assigned Numbers Authority
i.e.	Abbreviation for the Latin phrase id est, meaning “that is”
ICT	Acronym for Irreversible Color Transformation – see JPEG 2000 specification [ISO/IEC 15444-1]
IEC	Acronym for International Electrotechnical Commission
IETF	Acronym for Internet Engineering Task Force
IMB	Acronym for Image Media Block
IP	Acronym for Intellectual Property
ISAN	Acronym for International Standards Audiovisual Number
ISO	Acronym for International Organization for Standardization
ITM	Acronym for Intra-Theater Message
JPEG	Acronym for Joint Photographic Experts Group, the international body that developed the JPEG 2000 standard
KDM	Acronym for Key Delivery Message
KEK	Acronym for Key-Encrypting Key
Key	Electronic data used to allow data encryption and decryption
Key Epoch	The period of time during which a given decryption key is valid. The key epoch defines a minimum practical time period for use of encrypted track files.
kHz	Acronym for kilo Hertz, one thousand cycles per second, a measure of frequency
KLV	Acronym for Key Length Value – used by the MXF to parse binary data
LD	Acronym for Link Decryption
LDB	Acronym for Link Decryption Block
LE	Acronym for Link Encryption
LED	Acronym for Light Emitting Diode
Local Storage	A storage device that is associated with an individual playback device
Localizations	Text on screen representing either non-source language dialog or information pertinent to the story such as time and place. This is specifically the text that is absent in text-less masters. This text is localized or translated for various markets either through subtitles or entire image replacement.

LTC	Acronym for Linear Time Code
Main Titles	A credit sequence generally shown near the beginning of a motion picture
MB	Acronym for Media Block
MD	Acronym for Media Decryptor, the device located in the Media Block that decrypts the compressed content.
ME	Acronym for Media Encryptor
Metadata	Data about data or data describing other data. Information that is considered ancillary to or otherwise directly complementary to essence. Information that is useful or of value when associated with the essence being provided.
MTBF	Acronym for Mean Time Between Failure
MXF	Acronym for Material eXchange Format
NIST	Acronym for National Institute of Standards and Technology
NSA	Acronym for National Security Agency
NTSC	Acronym for National Television System Committee, which developed the NTSC television broadcasting standard
OAEP	Acronym for Optimal Asymmetric Encryption Padding
Open	Referring to visual data that is supplemental to a motion picture being displayed on-screen
Operational Pattern	An MXF construct to define file structures
Packing List	A list describing the files and providing a means for authentication of the files as delivered in a package
PAL	Acronym for Phase Alternation by Line, a television broadcasting standard.
Perceptual Coding	Exploiting limitations in the HVS for data compression
Playlist	Conceptually, the format and structure of the various lists used to define the playback of content in Digital Cinema
PNG	Acronym for Portable Network Graphics, an extensible file format for the lossless, portable, well-compressed storage of raster images defined by the PNG Development Group.
POC	Acronym for Progression Order Change – see JPEG 2000 specification [ISO/IEC 15444-1]
PPM	Acronym for Packed Packet headers, Main header – see JPEG 2000 specification [ISO/IEC 15444-1]
PPT	Acronym for Packed Packet headers, Title-part header – see JPEG 2000 specification [ISO/IEC 15444-1]
QCC	Acronym for Quantization Component – see JPEG 2000 specification [ISO/IEC 15444-1]
QCD	Acronym for Quantization Default – see JPEG 2000 specification [ISO/IEC 15444-1]
RAID	Acronym for Redundant Array of Inexpensive Disks
RAND	Acronym reasonable and nondiscriminatory
Reel	A conceptual period of time having a specific duration. A Reel is associated with track files. From a temporal view, the files making up a Reel are in parallel and are to be synchronized in their playback.

Renewable	A software component is renewable if it can be remotely, smoothly and possibly automatically upgraded or replaced without significantly disturbing system operations. A system shutdown and normal restart is acceptable, provided that after the restart, the system can be operated as before.
Replaceable	A component is said to be replaceable if it can be upgraded or replaced without significantly disturbing system operations. A system shutdown and restart is acceptable, provided that after the replacement, the system can be operated as before.
RFC	Acronym for Request For Comments
RGN	Acronym for Region of Interest – see JPEG 2000 specification [ISO/IEC 15444-1]
RO	Acronym for Rights Owner
ROM	Acronym for Read Only Memory
RRP	Acronym for Request Response Pairs
SE	Acronym for Security Entity, not to be confused with secure entity
SECAM	Acronym for System Electronique Couleur Avec Memoire, a television broadcasting standard
Security Manager	The controlling device of the security system in either the encoding, distribution or the theater playback process
SHA1	Acronym for Secure Hashing Algorithm 1
Show	The presentation that the audience sees and hears in the theater auditorium
Show Playlist	A Playlist of Composition Playlists and Event Playlists, describing a sequence that occurs at a particular screen. A Show Playlist is typically created by exhibition and transferred to the equipment controlling a particular screen.
SM	Acronym for Security Manager
SMD	Acronym for Subtitle Media Block
SMPTE	Acronym for Society of Motion Picture and Television Engineers
SMS	Acronym for Screen Management System
SNMP/UDP/IP	Acronym for Simple Network Management Protocol Over User Datagram Protocol Over Internet Protocol
SPB	Acronym for Secure Processing Block
SPL	Acronym for Show Playlist
SPL	Acronym for Sound Pressure Level
Subpicture	A multiple-image file format for the transport of visual data supplemental to a motion picture that is intended only for graphic overlay with the main image output of a digital projector
Subtitle	Text that is a representation, in a different language, of dialog occurring during scenes of a motion picture. Generally associated with dialog translation for localization of a motion picture in a particular territory.
TCP/IP	Acronym for Transmission Control Protocol / Internet Protocol
TDES or 3DES	Acronym for Triple Data Encryption Standard. TDES or 3DES was adopted as a federal standard in 1998 [FIPS (46-3)] and [ANSI standard X9.32]

TDL	Acronym for Trusted Device List. TDL correctly refers to the list within a KDM that enumerates those devices under the control of an auditorium's Security Manager (SM) that are trusted by the issuer of the KDM. TDL is sometimes incorrectly used to refer to those items within a database that enumerate the various subsystems of a given auditorium's installation.
Timed Text	Render text data onto a graphics overlay with the main image output of a digital projector
TLM	Tile-part Length, Main Header– see JPEG 2000 Specification [ISO/IEC 15444-1]
TLS	Acronym for Transport Layer Security
TMS	Acronym for Theater Management System
Track File	The smallest element of a package that can be managed or replaced as a distinct asset. A track file may contain essence and/or metadata, and its duration matches an associated Reel.
UDP	Acronym for User Datagram Protocol
UL	Acronym for Universal Label used in MXF
Unicode™	The Universal Multiple-Octet Coded Character set, the [ISO/IEC 10646:2003] standard that defines a single code for representation, interchange, processing, storage, entry and presentation of the written form of the world's major languages
urn	Acronym for uniform resource name
USB	Acronym for Universal Serial Bus, standardized serial communications connection found on computers
UTC	Acronym for Universal Coordinated Time
UUID	Acronym for Universal Unique IDentifier
Visually Lossless	An image compression method is considered visually lossless when the processed image is indistinguishable from the unprocessed image under normal theatrical viewing conditions.
VPN	Acronym for Virtual Private Network.
VBR	Acronym for Variable Bit Rate
W3C	Acronym for The World Wide Web Consortium, the organization responsible for the development of Internet protocols
WWV	Callsign of NIST's shortwave radio station in Fort Collins, Colorado. WWV's main function is the continuous dissemination of official United States government time signals
XML	Acronym for eXtensible Markup Language
X'Y'Z'	Tristimulus values defined by CIE in 1931 to represent colors. Prime indicates gamma corrected coordinates.