

About This Standard

Current Status *Mandated*

Standard Identifier MISB STD 0807.1

Title of Standard

MISB KLV Dictionary, 24 September 2008

Standards History

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2009-07-30	n/a	2009-07-30	2009-07-30	2009-07-30	n/a

Standards Body

[MISB](#)

[Broken Link?](#)

URL to Access or Acquire

<http://www.gwg.nga.mil/misb/stdpubs.html>

Working Group

Primary Owner Geospatial Intelligence (GWG)
Secondary Interest No Secondary Interest

Service Area

GEOINT: Motion Imagery

KIPs

No KIP Found

Standard Applicability

2009-07-30

A PM would be required to use this Standard when creating Motion Imagery that will be ingested into the NSG or when building a system that must parse Motion Imagery KLV metadata.

Standard Abstract

2009-07-30

This Standard encompasses the Key-Length-Value (KLV) metadata elements maintained by the Motion Imagery Standards Board (MISB) as Class 14 Organizationally Registered Private Elements in accordance with SMPTE 335M-2001. This document defines these elements and the conventions of their use and shall be the authoritative source for information on these elements. This Standard references other MISB Standards, Engineering Guidelines, and Recommended Practices - usually the document where a key is first used - but in the event of a conflict between this Standard and other MISB documents, the KLV definitions given in Standard 0807 shall have precedence.

Profiling Questions

GEOINT: Motion Imagery

- Does your system create, store, or search for Motion Imagery clip/stream or exchange MI & metadata in a datalink with other systems or use Motion Imagery metadata to use MI?

Products Incorporating This Standard

Many companies including BAE, Boeing-Autometric, Delta Information Systems, General Atomics, General Dynamics, L3, Lockheed-Martin, Media Solutions, PAR Government Systems, and SAIC have developed products based on the MISB.

Relevant Information

This citation was authored by the GWG Motion Imagery Standards Board (MISB).

Implementation Guidance

Guidance for using/implementing this standard is available from the Motion Imagery Standards Board (MISB) [<http://www.gwg.nga.mil/misb/>].

Standard Selection Criteria

Interoperability/Supportability

This Standard defines the KLV metadata elements unique to the DoD/IC/NSG for Motion Imagery, including the metadata required for Security, Mission Accomplishment, and Discovery & Retrieval of Motion Imagery assets. This Standard forms the interface with the GIG for parsing metadata information on the geo-spatial and temporal components of Motion Imagery assets, their quality, and the Classification and handling of such assets.

Technical Maturity

Standard 0807.1: MISB KLV Dictionary is a Class 14 private metadata dictionary registered with The Society of Motion Pictures and Television Engineers. As such, it is fully compliant with all relevant SMPTE KLV metadata requirements and is supported by the vast array of systems, tools, and applications used in the commercial television production and broadcast industries.

Public Availability

<http://www.gwg.nga.mil/misb/stdpubs.html>

Implementability

MISB Standards 0601.2: UAS Datalink Local Data Set & 0102.5: Security Metadata Universal and Local Data Sets, and Engineering Guideline 0801: Profile 1: Photogrammetry Metadata Set for Digital Motion Imagery are all implementations of the metadata elements and structures defined in Standard 0807.1.

Authority

The Motion Imagery Standards Board developed and maintains this standard.

Standard Type

Military

Standard Classification

Unclassified

Keywords for Search

H.264, KLV, MISB, MISP, MPEG2, Metadata, STANAG 4609, UAS, UAV, Video, exploitation support data, full motion video, transport stream