About This Standard

Emerging

Standard Identifier **MISB RP 0701.0 Common Metadata System:Structure**

Title of Standard

MISB Recommended Practice 0701.0, Common Metadata System: Structure, 6 August 2007

Standards History

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/ Retired
2008-04-03	2008-04-03	n/a	2008-04-03	2008-04-03	n/a

Standards Body MISB Broken Link?

URL to Access or Acquire http://gwg.nga.mil/misb/ (requires password)

Working Group

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

Service Area GEOINT: Motion Imagery

KIPs No KIP Found

Standard Applicability

2008-03-27

Application areas for CMS include: -- interchange of digital video and metadata such as sensor to ground stations; ground station to exploitation; and exploitation to archive --television and movie post production systems -- non-linear digital editing systems -- media archive systems -- media dissemination systems exchange of finished product(s) multi-media reports and products reporting systems -exploitation systems interoperability exchange for Common Operational Picture (COP) display systems.

Standard Abstract

2008-03-27

The Common Metadata System is a flexible, byte-efficient system for attaching temporally accurate platform and sensor metadata to a motion imagery essence stream. It is a flexible, general KLV metadata standard for all classes of platform and motion imagery sensors. The MISB will maintain configuration managed implementation profiles as they are developed and these are expected to replace both MISB EG 104 (Predator UAV Basic Universal Data Set) and MISB EG 0601 (UAS Datalink Local Data Set) over time.

Profiling Questions

GEOINT: Motion Imagery

- Does you system need to make multiple motion imagery sensors on arbitrary platforms interoperable or need accurate timing information on the sensor and platform related metadata associated with my MI streams?

Products Incorporating This Standard

General Dynamics Lockheed Martin SAIC Insitu -- ScanEagle White Sands Missile Range

Relevant Information

Citation 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

Net-Centric Interoperability

The Common Metadata System (CMS) provides a flexible, byte-efficient method for combining metadata with Motion Imagery (MI) essence streams. In particular, CMS emphasizes the accurate temporal attribution of platform and sensor ancillary data and supports implementation profiles that meet the needs of bandwidth-disadvantaged users.

Technical Maturity

The first CMS standard, which defines the structure of future CMS content documents (MISB RP 0701) has been finalized. The first implementation profile will be finalized in April, 2008. CMS makes use of the Society of Motion Picture and Television Engineers (SMPTE) KLV metadata standard, SMPTE 336M, SMPTE 335M, and SMPTE EG 37-2001. It is anticipated that CMS will eventually replace older MI metadata standards in NATO STANAG 4609 and the JUAS Joint Interoperability Profile.

Public Availability

http://gwg.nga.mil/misb/ (requires password)

Implementability

General Dynamics Lockheed Martin SAIC -- Integrator for Constant Hawk and Angel Fire Insitu -- ScanEagle White Sands Missile Range

Authority

The Motion Imagery Standards Board, a military standards organization, maintains the Common Metadata System, including EG 0701 and all follow-on implentation profiles. The Society of Motion Picture and Television Engineers (SMPTE), an international standards organization, maintains some of the metadata keys used in CMS.

Standard Type Non-Military

Keywords for Search None