

## About This Standard

**Current Status** *Mandated*

**Standard Identifier** MISP v4.5

### **Title of Standard**

Motion Imagery Standards Profile (MISP), Version 4.5, 15 May 2008

### **Standards History**

Introduced to Registry	Date Emerging	Date Mandated	Last Status Update	Last Status Review	Inactive/Retired
2008-11-20	n/a	2008-11-20	2008-11-20	2008-11-20	n/a

**Replaced** [MISP v4.3](#)

**Standards Body** [MISB](#) [Broken Link?](#)  
**URL to Access or Acquire** <http://www.gwg.nga.mil/misb>

### **Working Group**

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

**Service Area** GEOINT: Motion Imagery

**KIPs** No KIP Found

### **Standard Applicability**

#### **2008-11-04**

The MISP should be used by the DoD and Intelligence Communities to create, process, manipulate, exploit, store, archive, and disseminate Motion Imagery (full motion video) both for real-time and other end-user wide area product distribution, in support to imaging applications including (but not limited to) Intelligence, Surveillance, and Reconnaissance (ISR), and Exploitation. It applies to all motion imagery-based systems except for video teleconference and video telemedicine. The MISP applicability includes: 1) Interchange of digital video and metadata such as sensor to ground stations, ground station to exploitation, and exploitation to archive; 2) Television and movie post production systems; 3) Non-linear digital editing systems; 4) Media archive systems; 6) Media dissemination systems; 7) Exchange of finished product(s) multi-media reports and products; 8) Reporting systems; 9) Exploitation systems; and 10) Interoperability exchange for Common Operational Picture (COP) display systems.

### **Standard Abstract**

#### **2008-11-04**

The Motion Imagery Standards Profile (MISP), formerly known as the Video Imagery Standards Profile (VISP), is a profile of international and government standards to promote interoperability between full motion video systems of the Department of Defense/Intelligence Community/National System for Geospatial Intelligence (DoD/IC/NSG).

## **Profiling Questions**

### **GEINT: Motion Imagery**

- Does your system use motion imagery, full motion video (FMV), or just simply video, or do your imaging sensors/systems generate sequential or continuous streaming images at rates of 1 frame per second or greater within a common field of regard?

## **Products Incorporating This Standard**

Many companies including BAE, Boeing-Autometric, Delta Information Systems, General Atomics, L3, Lockheed-Martin, Media Solutions, PAR Government Systems, and SAIC have developed products based on the MISP. See the Motion Imagery Standards Board (MISB) web site for information about products using the MISP.

## **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).

## **Standard Selection Criteria**

### **Interoperability/Supportability**

The Motion Imagery Standards Profile (MISP) is a profile of motion imagery standards that provides the ability to exchange files between fusion/reporting, archive, and geospatial exploitation systems and to stream motion imagery in a net-centric environment. The MISP is ideally suited for source, production, exploitation and dissemination processes (entire TPED process).

### **Technical Maturity**

The MISP and its predecessors have been established and utilized for over ten years. The MISP, version 4.5 is a technically mature standard and changed very little from version 4.3. MISP 4.5 will form the foundation for Edition 3 of STANAG 4609 on digital motion imagery.

### **Public Availability**

The MISP is available for free download at <http://www.gwg.nga.mil/misb/>.

### **Implementability**

The US Air Force, Army, Navy, Marines, the Intelligence organizations, and many NATO nations use the MISP and its NATO equivalent STANAG 4609. Many companies including BAE, Boeing-Autometric, Lockheed-Martin, Media Solutions, PAR Government Systems, and SAIC have developed products based on the MISP.

### **Authority**

The Motion Imagery Standards Board, a military standards organization and formerly known as the Video Working Group (VWG), developed and maintains the MISP. NATO STANAG 4609 on Digital Motion Imagery is based on the MISP. The Motion Imagery Standards board is open to all who are involved in motion imagery including government and commercial organizations, individuals, and academia. The MISB is

the due-process standards body which produces the MISP.

**Standard Type** Military

**Standard Classification** Unclassified

**Keywords for Search** ASPA, GEOINT, H.264, HTML, IPL, JPEG-2000, KLV, MISB, MISP, MPEG2, MXF, STANAG 4609, full motion video, media, motion imagery, multimedia, transport stream, video compression, video interchange