

**BY ORDER OF THE
SECRETARY OF THE AIR FORCE**

**AIR FORCE INSTRUCTION 14-2MQ-1&9,
VOLUME 3**



3 APRIL 2014

Intelligence

***MQ-1 & MQ-9 UNIT INTELLIGENCE
PROCEDURES***

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available for download on the e-Publishing website at www.e-Publishing.af.mil.

RELEASABILITY: There are no releasability restrictions on this publication.

OPR: ACC/A2

Certified by: AF/A2D
(Brig Gen Donald J. Bacon)

Pages: 25

This publication implements Air Force Policy Directive (AFPD) 14-2, *Intelligence Rules and Procedures*, and is consistent with Air Force Instruction (AFI) 14-202 Volume 1, *Intelligence Training*, AFI 14-202 Volume 2, *Intelligence Standardization/Evaluation Program*, and AFI 14-202, Volume 3, *General Intelligence Rules*. This publication prescribes standard intelligence procedures to be used by personnel performing intelligence duties in MQ-1&9 units. This publication applies to Regular Air Force (RegAF), Reserve and Air National Guard (ANG) intelligence personnel supporting MQ-1&9 operations. The National Guard Bureau will be considered functionally as a major command (MAJCOM) for the purposes of this publication. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW Air Force Records Disposition Schedule (RDS) located in the Air Force Records Information Management System (AFRIMS). This publication may be supplemented, but all supplements must be coordinated with the Office of Primary Responsibility (OPR) prior to certification and approval. Refer recommended changes to the OPR using the AF Form 847, *Recommendation for Change of Publication*. Route AF Forms 847 through the appropriate MAJCOM functional chain of command. The authorities to waive wing/unit level requirements in this publication are identified with a Tier (“T-0, T-1, T-2, T-3”) number following the compliance statement. See AFI 33-360, *Publications and Forms Management*, Table 1.1 for a description of the authorities associated with the Tier numbers. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the Publication OPR for non-tiered compliance items. In order for units to have time to prepare for compliance, this publication becomes effective 60 days after the publication date.

Chapter 1—INTRODUCTION 3

1.1. General. 3

1.2. References. 3

1.3. Waivers. 3

Chapter 2—INTELLIGENCE OPERATIONS 4

2.1. Introduction. 4

2.2. MQ-1&9 Intelligence Duty Positions. 4

2.3. SIO Responsibilities. 5

2.4. Written Guidance. 5

2.5. Intelligence Systems. 6

2.6. Squadron Chief of Intelligence (SQ/IN) Responsibilities. 6

Chapter 3—EXTERNAL INTELLIGENCE TRAINING 7

3.1. Introduction. 7

3.2. SIO Responsibilities. 8

3.3. EIT Program Manager Responsibilities. 8

3.4. Squadron Intelligence Personnel Responsibilities. 9

Chapter 4—PLANS, MOBILITY AND DEPLOYMENT 10

4.1. Plans. 10

4.2. Mission Materials. 10

4.3. Exercise Planning. 10

4.4. Mobility and Reception. 10

4.5. SQ/IN Responsibilities. 10

Chapter 5—EMPLOYMENT AND SUSTAINMENT OPERATIONS 11

5.1. Responsibilities. 11

Attachment 1—GLOSSARY OF REFERENCES AND ACRONYMS 14

Attachment 2—EXTERNAL INTELLIGENCE TRAINING REPORT 17

Attachment 3—THREAT TRAINING STANDARDS 19

Attachment 4—SITUATION DISPLAYS 25

Chapter 1

INTRODUCTION

1.1. General. This volume provides guidance on MQ-1&9 unit intelligence responsibilities. With the cited references, it establishes the operational procedures for intelligence personnel supporting unit operations. **Exception:** The provisions contained in this AFI do not apply to intelligence personnel performing instructor and support duties at the MQ-1&9 Formal Training Unit. These procedures are the minimum and can be supplemented with unit-level written guidance. Unit-level guidance will not be less restrictive.

1.2. References. The primary references for MQ-1&9 intelligence operations are AFI 14-2MQ-1&9, Volume 1, *MQ-1 and MQ-9 Unit Intelligence Training*; AFI 14-2MQ-1&9, Volume 2, *MQ-1 and MQ-9 Unit Intelligence Evaluation Criteria*; Air Force Tactics, Techniques, and Procedures (AFTTP) 3-1.Threat Guide, *Threat Reference Guide and Countertactics Manual*; AFTTP 3-1.MQ-1, *Tactical Employment—MQ-1*; AFTTP 3-1.MQ-9, *Tactical Employment—MQ-9*.

1.3. Waivers. MAJCOM/A2s will courtesy-copy ACC/A2 regarding all waiver requests and responses. ACC/A2 will notify AF/A2DF of significant trends in waiver correspondence if such correspondence indicates the need to readdress existing policy and guidance.

Chapter 2

INTELLIGENCE OPERATIONS

2.1. Introduction. The senior intelligence officer (SIO) will provide commanders, their staffs, crews, and other customers the best available intelligence information and materials to enhance readiness, facilitate planning and execute assigned missions. The SIO will ensure all procedures are IAW AFI 14-202, Volume 3 and this publication. (T-2)

2.2. MQ-1&9 Intelligence Duty Positions. The following positions are associated with MQ-1&9 mission execution. Positions and related duties may vary at individual units based on MAJCOM, mission, or theater of operations. Document these variations in locally developed guidance.

2.2.1. Mission Support Analyst (MSA). The MSA is the core duty position for supporting MQ-1&9 operations. The MSA conducts research and analysis on areas of responsibility (AOR) and intelligence preparation of the operational environment (IPOE) and preparation for taskings. Provides intelligence to the MQ-1&9 mission crew prior to and during mission execution in order to increase mission crew situational awareness and mission effectiveness. Collects feedback from mission crews, mission partners, and supported units to determine lessons learned on successful or failed TTPs. Assists with time-sensitive reporting, to include threat warning. Debriefs mission crew and disseminates intelligence products (e.g., reports, full motion video (FMV) clips) as necessary.

2.2.2. Mission Intelligence Coordinator (MIC). The MIC acts as an integral part of the remotely piloted aircraft (RPA) mission crew throughout the entire mission. The MIC is responsible for the fusion, coordination, integration, analysis and dissemination of information of intelligence value, which enables the distributed mission crew in the execution of the mission. The MIC conducts pre-mission and dynamic mission planning. Focuses on dynamic targeting, and conducts analysis of intelligence information throughout the RPA mission. Conducts cross cue with other intelligence, Intelligence, Surveillance, and Reconnaissance (ISR) assets as required. Receives, consolidates, and disseminates information of intelligence value, to include historical activity, courses of action, and threats to and from pilots, sensor operators (SO), mission partners, and processing, exploitation and dissemination nodes. Participates in debrief and reporting of operational missions as required.

2.2.3. Intelligence Operations Supervisor (IOS). During mission execution, the IOS is a supervisory position that ensures all intelligence mission personnel (as assigned) are current and qualified to perform assigned daily tasking. The IOS oversees the performance and directs intelligence personnel and resources to facilitate successful mission accomplishment. Aids in ISR cross cueing, coordinates with mission partners and serves as quality control for intelligence reports and/or products. Interfaces with outside agencies such as command and control elements and mission partners on mission tasking. The IOS also ensures all requirements are met and communication occurs between the operations center and outside agencies as required.

2.2.4. Target Development Analyst. Conducts targeting functions to include maintaining and using geospatial databases, target materials, imagery and other intelligence products.

Verifies precise mensuration of multisensory imagery and geospatial data, as provided by the applicable mission tasking, to determine geographic location of objects and surrounding terrain for specially designated units.

2.3. SIO Responsibilities. The SIO is responsible to the wing/group leadership for oversight of the planning and execution of MQ-1&9 intelligence functions during all phases of operations. The SIO is defined by AFI14-202V3 as the highest-ranking Air Force officer holding the 14N Air Force Specialty Code (AFSC) or Series 0132 Civilian serving in an Air Force intelligence position. The SIO's authority extends to all directly subordinate units. In this capacity, the SIO provides senior leadership on all policy development, interpretations, and applications. Further, the SIO serves as the chief advisor and mentor for AF intelligence officers, enlisted and civilians (as appropriate) in terms of career development and progress. The SIO will:

2.3.1. Lead, organize, train, and equip intelligence personnel and functions to support the unit mission. (T-2)

2.3.2. Establish a visitation program to intelligence work centers and solicit feedback from squadron intelligence and operations, where applicable. (T-3)

2.3.3. Monitor RPA operations and intelligence personnel schedules to ensure required intelligence support for operations. (T-3)

2.3.4. Actively solicit feedback from wing/group and subordinate commanders to improve intelligence support processes. (T-3)

2.4. Written Guidance. The SIO will maintain written guidance (e.g., operating instructions, checklists) to standardize performance and provide continuity on peacetime and contingency operations, procedures, and responsibilities. Coordinate procedures with other base-level agencies as appropriate and have them approved at the wing/group level when necessary. Review all written guidance annually and update when procedures change. Ensure all personnel are trained on and/or are familiar with procedures and guidance. Provide written guidance for the following as it applies to unit mission: (T-3)

2.4.1. General organization and responsibilities of the intelligence section.

2.4.2. Intelligence personnel training program.

2.4.3. Unit intelligence standardization/evaluation program.

2.4.4. Intelligence support to mission planning and mission planning procedures.

2.4.5. Self-assessment procedures.

2.4.6. Exercise development and conduct.

2.4.7. Security Procedures (e.g., classifying and marking, file transfers, emergency protection, destruction of classified).

2.4.8. Intelligence oversight program.

2.4.9. External intelligence training (EIT).

2.4.10. Crew and intelligence certification/verification program support.

2.4.11. Force protection intelligence.

2.4.12. Situation displays.

- 2.4.13. Mobility preparation/procedures.
- 2.4.14. Briefing, debriefing and reporting.
- 2.4.15. Intelligence systems.
- 2.4.16. Foreign disclosure program.
- 2.4.17. Obtaining, developing, safeguarding, and maintenance of mission materials including geospatial intelligence (GEOINT).
- 2.4.18. Intelligence reference files procedures.
- 2.4.19. Emergency action procedures.
- 2.4.20. Request for information (RFI) and production requirement procedures.

2.5. Intelligence Systems. Intelligence personnel must be proficient on all available intelligence systems necessary to accomplish mission tasking. The SIO will:

- 2.5.1. Ensure the unit is equipped with all intelligence systems required to support operations. Be prepared to deploy all required systems during exercises and actual deployments. Develop an inventory to track systems in-garrison and while deployed. (T-2)
- 2.5.2. Coordinate and verify connectivity requirements for intelligence systems with the deployed base communications squadron or combat communications prior to deployment. (T-2)

2.6. Squadron Chief of Intelligence (SQ/IN) Responsibilities. For units where there is no distinction between wing/group and squadron intelligence, the SIO will ensure these responsibilities are carried out appropriately. The SQ/IN will: (T-2)

- 2.6.1. Act as lead MQ-1&9 intelligence member, ensuring intelligence is provided to squadron personnel during all phases of RPA operations. This includes, but is not limited to IPOE, find/fix/track/target/engage/assess (F2T2EA), debriefing, threat analysis, and mission reporting. (T-2)
- 2.6.2. Maintain continuity books, checklists, or other written guidance for key functions. (T-3)
- 2.6.3. Review, implement, and execute established TTPs for MQ-1&9 missions. (T-2)
- 2.6.4. Coordinate intelligence requirements and issues through the SIO and/or operational squadron chain of command as needed. (T-2)
- 2.6.5. Ensure unit intelligence personnel attend and participate in the intelligence personnel training program. Conduct briefings/training as assigned by the SIO. (T-3)
- 2.6.6. Ensure squadron training is tailored to current MQ-1&9 taskings, as dictated by the respective designed operational capability statements, and/or operations plans (OPLAN)/concept plans (CONPLAN). Focus training on key RPA mission sets to include Personnel Recovery, Close Air Support, ISR, Strike Coordination and Reconnaissance, and Suppression of Enemy Air Defenses. (T-2)
- 2.6.7. Ensure EIT is conducted within their respective squadrons. (T-2)

Chapter 3

EXTERNAL INTELLIGENCE TRAINING

3.1. Introduction. EIT is intelligence training provided to aircrew or other non-intelligence AFSC personnel. EIT is primarily provided to aircrew in MQ-1&9 units. EIT provided to the units' assigned and attached pilots and SOs will be coordinated with the wing/group tactics flight or officer. (T-2)

3.1.1. Effective training methods will be used and can include, but are not limited to briefings, demonstration-performance, formal and informal lectures, and academic training sessions. (T-3)

3.1.2. Training resources can include, but are not limited to threat briefings, current intelligence briefings, theater orientation briefings, CDs/DVDs or web-based training materials, and weapons system videos. (T-3)

3.1.3. The EIT plan will be specifically tailored to meet unit/mission requirements. Teach each item in the EIT training plan at least once during the training cycle. Evaluate the objectives for each EIT category with a test (85 percent minimum to pass). (T-3)

3.1.4. Prorate training based on unit contingency operations tempo IAW AFI 11-2MQ-1, Volume 1, *MQ-1 Aircrew Training* and AFI 11-2MQ-9, Volume 1, *MQ-9 Crew Training*. Outline the details of the prorating schedule in the EIT Plan and/or other written instructions. (T-3)

3.1.5. External intelligence training categories include threat knowledge, visual recognition (VR), and collection and reporting (C&R). Include other categories based on the unit's mission as required. (T-2)

3.1.5.1. Threat Knowledge. Develop specific threat knowledge training objectives tailored to the unit mission, local area, deployment base(s), and forward operating locations. Concentrate on threats in selected countries with the potential for direct unit involvement. Full spectrum threat analysis of the RPA enterprise to include threats to the mission control element, remote split operations/satellite links, communications/navigation systems, kinetic threats to the platform, the sensor(s) and terminal threats to munitions' seekers must be considered. Refer to attachment 3 for minimum standards for threat briefings. The references listed at the beginning of this publication can be supplemented with other classified and unclassified publications (e.g., National Air and Space Intelligence Center products, Tactics Bulletins, Tactics Analysis Reports, Country Studies) when developing threat knowledge training materials. (T-2)

3.1.5.2. Visual Recognition. Develop specific VR training objectives tailored to the unit mission, base, and forward operating locations. Include enemy/adversary, friendly or neutral weapon systems relevant to the operational environment, based on unit mission and OPLAN/CONPLAN tasking. Identify key differences between friendly weapons systems and threat weapon system look-alikes. Incorporate all aspects/angles, theater specific paint schemes, national markings and various configurations. Include examples of weapons employment to illustrate how threats might appear when employed (e.g.,

muzzle flashes, smoke plumes, burst patterns). Training should teach how to describe threats to assist intelligence personnel in positive identification. (T-2)

3.1.5.3. Collection and Reporting. Collection and reporting training will focus on items necessary to enable pilots and SOs to initiate aircrew-originated reports to capture perishable, critical information of intelligence value (e.g., In-flight Report, Communications Instructions Reporting Vital Intelligence Sightings) and familiarize them with the information requirements of the intelligence-generated Mission Report (MISREP) and Intelligence Report (INTREP). A critical component of C&R training will be the unit's essential elements of information (EEI). Training will identify and describe theater-specific and peacetime reporting requirements. (T-2)

3.2. SIO Responsibilities. The SIO will:

3.2.1. Establish an EIT program tailored to the unit's mission, weapons systems, projected wartime/Air and Space Expeditionary Force tasking and base/deployment location(s). (T-2)

3.2.2. Appoint an EIT program manager to oversee execution. The assigned USAF Intelligence Weapons (Sensor) Instructor Course graduate will be directly responsible for the management of the program. (T-3)

3.2.3. Assign only certified trainers to conduct unsupervised EIT. AFI 14-2MQ-1&9, Volumes 1 and 2 identify specialized training requirements and evaluation criteria for EIT trainers. (T-2)

3.2.4. Ensure written guidance outlines procedures for conducting, documenting, testing, evaluating, monitoring and reporting EIT. (T-3)

3.2.5. Coordinate EIT written instructions with all applicable commanders. Written guidance will be coordinated with any agency that assists intelligence personnel in providing training, as well as any agency for which intelligence provides training on a regularly scheduled basis. (T-3)

3.2.6. Develop intelligence training for other base/unit personnel, if requested. (T-3)

3.3. EIT Program Manager Responsibilities. The EIT Program Manager will:

3.3.1. Build an effective training program, including training plans, with input from operational squadrons, tactics representatives, and other base agencies, as appropriate. (T-2)

3.3.2. Review training objectives for currency prior to the beginning of the training cycle. (T-3)

3.3.3. Actively solicit feedback to ensure training objectives are meeting training requirements. (T-3)

3.3.4. Conduct trend analysis following each training cycle; document lessons learned and apply those lessons during subsequent cycles. (T-3)

3.3.5. Provide a written evaluation of the wing/group EIT program to the appropriate commander(s) at the end of each training cycle. The written evaluation will include at a minimum: the percent or number of personnel trained, trend analysis (e.g., high miss questions, weak areas), and corrective actions taken. Incorporate feedback as applicable. (T-3)

3.4. Squadron Intelligence Personnel Responsibilities. Squadron intelligence personnel will:

- 3.4.1. Provide input to and execute the EIT program. (T-2)
- 3.4.2. Provide questions and answers specific to the squadron's mission for the unit master question file. (T-3)
- 3.4.3. Administer EIT tests at the end of each training cycle. (T-3)
- 3.4.4. Document EIT provided. Documentation of EIT will include the names of personnel receiving training, date training was accomplished, the topic taught, and the name of the trainer conducting the training. In addition, they will provide a written evaluation of the squadron's EIT program to the squadron commander and the EIT program manager (see Attachment 2). (T-3)

Chapter 4

PLANS, MOBILITY AND DEPLOYMENT

4.1. Plans. The SIO will provide intelligence support to the MQ-1&9 planning process IAW AFI 14-202, Volume 3. (T-2)

4.2. Mission Materials. The SIO will appoint Mission Materials Managers to coordinate requirements necessary to provide support to the unit. Obtain, develop, safeguard and maintain mission materials to include GEOINT products, as required. Coordinate unit requirements with squadron weapons and tactics, and submit requirements IAW theater collection management procedures. (T-3)

4.3. Exercise Planning. The SIO will integrate intelligence functions into the unit exercise planning process IAW AFI 14-202, Volume 3. Develop and maintain intelligence annexes or portions of base exercise plans required by wing/group exercise planning. (T-3)

4.4. Mobility and Reception. The SIO will act as the wing focal point for all intelligence AFSC requirements in tasked unit type codes (UTC) and deployment orders. (T-3)

4.5. SQ/IN Responsibilities. MQ-1&9 SQ/IN will:

4.5.1. Monitor unit tasking and advise SIO and the squadron chain of command of significant changes to unit tasking for exercises, contingency plans and operations. (T-3)

4.5.2. Coordinate intelligence personnel and equipment support for tasked UTCs and any deployment orders with chain of command and SIO as necessary. (T-3)

4.5.3. Identify unfilled requirements and notify squadron chain of command and SIO. (T-3)

Chapter 5

EMPLOYMENT AND SUSTAINMENT OPERATIONS

5.1. Responsibilities. The SIO is responsible for intelligence functions during employment operations.

5.1.1. Wing Mission Support function. Wing mission support will consist of IOS and MSA qualified personnel and will:

5.1.1.1. Provide scalable 24/7 integrated, dynamic, multi-disciplinary intelligence support to all phases of RPA combat operations. Wing mission support is the wing's focal point for mission tasking materials and coordination with outside agencies. (T-2)

5.1.1.2. Provide wing-level mission planning support to include briefings, ground force concept of operations, multi-source ISR cross-cueing and tip-off, overlays, and direct communication with combined/joint command and control agencies, supported units, distributed common ground station (DCGS) and mission partners. (T-2)

5.1.1.3. Provide threat warning to mission crews. Pass real-time threat intelligence from other ISR sources via voice and chat communications. (T-2)

5.1.1.4. Develop and update situation displays IAW attachment 4. (T-3)

5.1.1.5. Consolidate mission information, not captured in a MISREP; including TTP changes, EEIs, and significant enemy activity. Distribute this data via voice, e-mail, or brief posted to the wing mission support website to ensure units have the latest information for the best situational awareness. (T-2)

5.1.1.6. Validate and publish MISREPs IAW unit checklists and the theater intelligence reporting directive. Ensure theater reporting timelines are met. (T-2)

5.1.1.7. Track mission results and highlights for all missions and provide to the wing leadership. (T-3)

5.1.1.8. Develop and present Wing Activity Report operations briefs, current intelligence briefs, squadron operations summary briefs, and kinetic event summary briefs as directed by wing leadership. (T-3)

5.1.1.9. Provide situational awareness on active missions and recommendations on tasking and planning to the wing leadership. (T-3)

5.1.1.10. Provide support to Squadron Mission Support Cells (SMSC) as required. (T-3)

5.1.1.11. Conduct and provide applicable IPOE materials in support of SMSC IPOE efforts to reduce uncertainties concerning the enemy, environment and terrain for all supported missions. (T-2)

5.1.2. Squadron Mission Support Cell. The SMSC consists of qualified MSA personnel and will perform the following duties as required to support unit missions:

5.1.2.1. Pre-Mission Support.

- 5.1.2.1.1. Identify and incorporate AOR threats into daily mission planning. Focus threats to MQ-1&9 capabilities and limitations and integrate tactics and countermeasures applicable to the mission. (T-2)
- 5.1.2.1.2. Provide crews with integrated, relevant taskings information, exploitation guidance, and appropriate mission materials linked to supported unit intent. (T-2)
- 5.1.2.1.3. Contact supported units to validate tasking, gather specific targets of interest and relevant technical data. (T-2)
- 5.1.2.1.4. Perform IPOE to reduce uncertainties concerning the enemy, environment and terrain for all types of MQ-1&9 missions. (T-2)
- 5.1.2.1.5. Obtain target materials (e.g., imagery, charts, geospatial reference graphics, situation map overlays) necessary to provide situational awareness to pilots and SOs during the mission. (T-2)
- 5.1.2.1.6. Aid in extracting data from the appropriate tasking document (e.g., Air Tasking Order/Airspace Control Order/Special Instructions/theater ISR tasking documents) that initiates the mission planning or preparation process. (T-2)
- 5.1.2.2. Perform geospatial analysis.
 - 5.1.2.2.1. Manipulate mapping system and displays on geospatial systems, considering mission objectives, specific points of interest, known or assessed threats, and system capabilities. (T-2)
 - 5.1.2.2.2. Analyze the immediate operating environment respective to point targets, lines of communication, area search and mobile targets as applicable to each mission. (T-2)
 - 5.1.2.2.3. Develop and following quality control procedures for standardization and accuracy of situation displays (see attachment 4). (T-3)
- 5.1.2.3. Ongoing Mission Support.
 - 5.1.2.3.1. Submit RFIs IAW unit checklists and the theater intelligence reporting directive. (T-2)
 - 5.1.2.3.2. Support F2T2EA TTP, considering threats, taskings and changing environment. Provide critical information of intelligence value prior to all weapons employment. (T-2)
 - 5.1.2.3.3. Support ad hoc and emerging taskings as required. (T-2)
 - 5.1.2.3.4. Coordinate with assigned exploitation nodes to determine mission requirements (as required). (T-2)
 - 5.1.2.3.5. Maintain communications with the wing mission support function for ISR platform cross-cue planning through coordination with the appropriate ISR liaison officer, DCGS liaison officer and the Air and Space Operations Centers. (T-2)
 - 5.1.2.3.6. Perform IPOE to maintain situational awareness on changing enemy/operational environment in order to meet supported unit's needs and intent. (T-2)

5.1.2.4. Debrief.

5.1.2.4.1. Debrief all tasked missions IAW unit checklists and the theater intelligence reporting directive as required. (T-2)

5.1.2.4.2. Extract and prepare relevant mission intelligence from mission crew members. (T-2)

5.1.2.4.3. Know the mission tasking and ask amplifying questions relevant to the mission. (T-2)

5.1.2.4.4. Incorporate EEIs during debriefing and identify time-sensitive information and disseminate appropriately and expeditiously. (T-2)

5.1.2.5. Reporting. Submit MISREPs, intelligence reports, INTREPs, situation report, etc., as required. (T-2)

5.1.2.6. Imagery Products.

5.1.2.6.1. Prepare and transmit FMV clips and weapons system video (WSV) IAW unit checklists and the theater intelligence reporting directive as required. (T-3)

5.1.2.6.2. Prepare FMV and WSV clips as required for positional and internal intelligence training. (T-3)

5.1.3. The SIO will ensure squadrons apply intelligence reports composition quality control and dissemination procedures IAW unit checklists and the theater intelligence reporting directive. (T-2)

ROBERT P. OTTO, Lieutenant General, USAF
Deputy Chief of Staff, Intelligence,
Surveillance and Reconnaissance

Attachment 1

GLOSSARY OF REFERENCES AND ACRONYMS

References

AFI 11-2MQ-1&9, Volume 3, *MQ-1 AND MQ-9 - Operations Procedures*, 1 November 2012

AFI 14-104, *Oversight of Intelligence Activities*, 23 April 2012

AFI 14-202, Volume 1, *Intelligence Training*, 10 March 2008

AFI 14-202, Volume 2, *Intelligence Standardization/Evaluation Program*, 10 March 2008

AFI 14-202, Volume 3, *General Intelligence Rules*, 10 March 2008

AFI 14-2MQ-1&9, Volume 1, *MQ-1 and MQ-9 Unit Intelligence Training* – 3 April 2014

AFI 14-2MQ-1&9, Volume 2, *MQ-1 and MQ-9 Unit Intelligence Evaluation Criteria* – 3 April 2014

AFMAN 33-363, *Management of Records*, 1 March 2008

AFPD 14-2, *Intelligence Rules and Procedures*, 29 November 2007

AFTTP 3.1.MQ-1, *Tactical Employment—MQ-1*, 30 September 2011 (S)

AFTTP 3.1.MQ-9, *Tactical Employment—MQ-9*, 14 December 2012 (S)

AFTTP 3-1.Threat Guide, *Threat Reference Guide and Countertactics Manual*, 3 December 2012 (S)

Prescribed Forms

None

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ACC—Air Combat Command

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

AFSC—Air Force Specialty Code

AFTTP—Air Force Tactics, Techniques and Procedures

AOR—Area of Responsibility

C&R—Collection and Reporting

CMR—Combat Mission Ready

CONPLAN—Concept Plan

DCGS—Distributed Common Ground Station
EI—Essential Elements of Information
EIT—External Intelligence Training
F2T2EA—Find/Fix/Track/Target/Engage/Assess
FEBA—Forward Edge Battle Area
FMV—Full Motion Video
GEOINT—Geospatial Intelligence
IADS—Integrated Air Defense System
IAW—In Accordance With
INTREP—Intelligence Report
IPOE—Intelligence Preparation of the Operational Environment
IOS—Intelligence Operations Supervisor
ISR—Intelligence, Surveillance and Reconnaissance
MAJCOM—Major Command
MIC—Mission Intelligence Coordinator
MISREP—Mission Report
MSA—Mission Support Analyst
OPLAN—Operations Plan
OPR—Office of Primary Responsibility
RFI—Request for Information
RPA—Remotely Piloted Aircraft
SIO—Senior Intelligence Officer
SMSC—Squadron Mission Support Cell
SO—Sensor Operator
SQ/IN—Squadron Chief of Intelligence
T-2—Tier 2
T-3—Tier 3
UTC—Unit Type Code
VR—Visual Recognition
WSV—Weapons System Video

Terms

Tier 2 (T—2)—Non-compliance has the potential to create moderate risk of mission or program degradation or failure, injury, legal jeopardy or unacceptable fraud, waste or abuse. Waivers may be granted at the MAJCOM/CC level, but may not be delegated lower than MAJCOM Director.

Tier 3 (T—3)—Non-compliance has a relatively remote potential to create risk of mission or program degradation or failure, injury, legal jeopardy or unacceptable fraud, waste or abuse. Waivers may be granted at the Wing/DRU/FOA/CC level.

Attachment 2

EXTERNAL INTELLIGENCE TRAINING REPORT

Figure A2.1. Example External Intelligence Training Report.

[DATE]

MEMORANDUM FOR XX RS/CC, OSS/IN

FROM: [UNIT]

SUBJECT: Summary of Squadron External Intelligence Training (EIT)

1. The XX Attack Squadron or XX Reconnaissance Squadron has 185 assigned combat mission ready (CMR) aircrew members, of which 78 percent received 100 percent of their required intelligence training topics for this training cycle. The status of intelligence training is listed below:

XX RS Training Summary	
Total aircrew members	185
Avg. complete:	77%
Most common topics missing:	Laser Jammers

2. IAW the Intelligence Training Plan, each aircrew member is required to be trained on each training item at least once each training cycle. At the completion of the annual training cycle, the following aircrew members have not completed the annotated training items:

Aircrew	Intelligence Training Item
John A. Doe	LASER Jammers
Susan L. Smith	Jammers
Ed. D. Tyler	MISAGH-2
Ivan Hacksworth	QW-2

3. The annual Intelligence test was administered on 15 Jan 12. All CMR aircrew members have taken the 100 question test. Not all aircrew obtained the minimum passing score of 85 percent the first time around. A total of 185 aircrew members took the test. The initial average test score for the squadron was 95 percent.

XX RS Intelligence Test Results	
Total # aircrew to take test	185
# of questions	100
Knowledge questions	50
Knowledge questions—average score	92%
Knowledge questions—most commonly missed	5 (MISAGH-2) 8 (LASER Jammers) 13 (Jammers)
Visual Recognition Slides	50
Visual Recognition—average score	98%
Visual Recognition—most commonly missed	Buffalo Armored Vehicle

5. The most commonly missed questions were 5, 8, 13, 14 and 21. After further review of questions 14 and 21, it is likely these questions were missed because they were poorly worded and difficult to understand. Questions 5, 8, and 13 focused on the MISAGH-2, LASER Jammers and Jammers, respectively. The squadron intelligence section will increase emphasis on these threat systems during the next training cycle. Attached is a breakout of the test questions and how many times each question was missed.

JANE E. DOE, Capt, USAF
Chief, Intelligence Operations & Training

Attachment:
Test Question Breakout

Attachment 3

THREAT TRAINING STANDARDS

A3.1. External Intelligence Training Briefing. The SIO will ensure EIT includes threat briefings on the applicable subjects listed below (air, ground, and maritime), but need not be limited to those. In some cases, not every sub-category listed will be applicable. Tailor topics/briefings to unit's weapons systems, mission specific requirements, and AFI 11-2 series publications. (T-2)

A3.2. Aircraft (fixed wing and helicopter).

- A3.2.1. VR (from the applicable perspective).
- A3.2.2. Countries or areas of employment.
- A3.2.3. Role and Mission.
- A3.2.4. Variants.
- A3.2.5. Avionics.
 - A3.2.5.1. Electronic Attack/Electronic Protection Features.
- A3.2.6. Maneuverability.
- A3.2.7. Primary Threat Country.
 - A3.2.7.1. Location.
 - A3.2.7.2. Training.
 - A3.2.7.3. Tactics.
 - A3.2.7.4. Modifications.
- A3.2.8. Countertactics/Counterprocedures.
 - A3.2.8.1. Maneuvers.

A3.3. Air-to-Air Missiles.

- A3.3.1. Cueing System(s).
- A3.3.2. Guidance.
- A3.3.3. Off-Boresight Capability.
- A3.3.4. Electronic protection features or infrared counter-countermeasures.
- A3.3.5. Employment Ranges.
- A3.3.6. Maneuverability.
- A3.3.7. Fusing.
- A3.3.8. Lethal Radius.
- A3.3.9. Primary Threat Country.
 - A3.3.9.1. Training.

A3.3.9.2. Tactics.

A3.3.9.3. Modifications.

A3.3.10. Detection.

A3.3.11. Countertactics/Counterprocedures.

A3.3.11.1. Maneuvers.

A3.4. Surface-to-Air Missiles.

A3.4.1. Countries or areas of employment.

A3.4.2. Role and Mission.

A3.4.3. Associated Radars.

A3.4.4. Fire Control System(s).

A3.4.5. Electronic Protection Features.

A3.4.6. Employment Ranges/Altitudes.

A3.4.7. Missile Capabilities.

A3.4.8. Guidance and Profile.

A3.4.9. Visual Cues.

A3.4.10. Primary Threat Country.

A3.4.10.1. Location.

A3.4.10.2. Training.

A3.4.10.3. Tactics.

A3.4.10.4. Modifications.

A3.4.11. Countertactics/Counterprocedures.

A3.4.11.1. Maneuvers.

A3.5. Air Defense Artillery.

A3.5.1. Countries or areas of employment.

A3.5.2. Role and Mission.

A3.5.3. Associated systems.

A3.5.3.1. Fire control radar(s).

A3.5.3.2. Optics, weather/night capability.

A3.5.4. Munitions.

A3.5.4.1. Caliber Type.

A3.5.4.2. Maximum and Tactical (effective) Ranges/Altitudes.

A3.5.4.3. Tracer Color.

A3.5.5. Visual Cues.

A3.5.6. Primary Threat Country.

A3.5.6.1. Location.

A3.5.6.2. Training.

A3.5.6.3. Tactics.

A3.5.6.4. Modifications.

A3.5.7. Threat Warning Indications.

A3.5.8. Countertactics/Counterprocedures.

A3.5.8.1. Maneuvers.

A3.6. Electronic Warfare.

A3.6.1. Jammers.

A3.6.1.1. Identify the types of jammers.

A3.6.1.2. Jammer employment.

A3.6.1.3. Expected Location(s) (ground- and airborne-based).

A3.6.1.4. Jamming Technique(s).

A3.6.1.5. Jamming Effectiveness.

A3.6.1.6. Indications of Jamming.

A3.6.1.7. Countermeasures to minimize effects.

A3.6.2. Passive Detection.

A3.6.2.1. Location.

A3.6.2.2. Employment.

A3.6.2.3. Countermeasures to minimize detection.

A3.7. Directed Energy Weapons.

A3.7.1. Deployment/Employment.

A3.7.1.1. Expected Location(s) (ground and/or airborne-based).

A3.7.1.2. Assessed Battlefield Location (e.g., FEBA, Lines of Communication, high value sites).

A3.7.1.3. Mobility Capabilities (e.g., quick setup/move).

A3.7.1.4. Employment (e.g., man portable, vehicle, fixed, site/battery configuration).

A3.7.1.5. Associated Equipment (e.g., fire control system or radar, search and track systems).

A3.7.1.6. IADS Integration (e.g., early warning, acquisition co-located, off system cueing, visual observers).

A3.7.2. Anti-personnel, Non-weapon Lasers.

A3.7.2.1. Capabilities (e.g., tactical/effective ranges/altitudes, green vs. red).

A3.7.2.2. Tactics and Effects (e.g., harassment, dazzle, temporary flash blinding, retinal damage).

A3.7.2.3. Countertactics and Countermeasures (e.g., pre-emptive/reactive).

A3.7.3. Anti- electro-optical/Infrared Sensor Lasers.

A3.7.3.1. Capabilities (e.g., tactical/effective ranges/altitudes, green vs. red).

A3.7.3.2. Tactics and Effects (e.g., deny, degrade, destroy).

A3.7.3.3. Countertactics and Countermeasures (e.g., pre-emptive/reactive).

A3.7.4. Radio Frequency Weapons.

A3.7.4.1. Capabilities (e.g., tactical/effective ranges/altitudes).

A3.7.4.2. Tactics and Effects (e.g., equipment disruption and destruction).

A3.7.4.3. Countertactics and Countermeasures (e.g., pre-emptive/reactive).

A3.8. Ground Threats.

A3.8.1. System Overview.

A3.8.1.1. Role and Mission.

A3.8.1.2. Combat Radius.

A3.8.1.3. Maximum Speed.

A3.8.1.4. Mobility.

A3.8.1.5. Types of Communications.

A3.8.1.6. Crew make up and size.

A3.8.1.7. Identify Visually (e.g., Infrared, daytime).

A3.8.2. Deployment.

A3.8.2.1. Countries or areas of employment.

A3.8.2.2. Tactics.

A3.8.2.3. System Modifications.

A3.8.3. Armament.

A3.8.3.1. Typical and Maximum load-outs.

A3.8.3.2. Mounted Armament Location.

A3.8.3.3. Employment Range.

A3.8.3.4. Guidance.

A3.8.3.5. Fusing.

A3.8.3.6. Lethal radius.

A3.8.3.7. Strengths and Weaknesses.

A3.8.4. Combined Weapon System Capabilities.

A3.8.4.1. State detection capability.

A3.8.4.2. Electronic attack measures used effectively vs. ground personnel.

A3.8.4.3. Strengths and weaknesses.

A3.8.4.4. Recommended countertactics, takedown points and recommended munitions.

A3.8.5. Landmines.

A3.8.5.1. System Overview.

A3.8.5.1.1. Tactics, techniques, and procedures.

A3.8.5.1.2. Identification of minefield markings.

A3.8.5.1.3. Visual Recognition.

A3.8.5.1.4. Identify detonation frequency range.

A3.8.5.1.5. Detection Capabilities.

A3.8.5.2. Deployment.

A3.8.5.2.1. Countries/Terrorists of employment.

A3.8.5.2.2. Tactics and System Modifications.

A3.8.5.3. Explosives.

A3.8.5.3.1. Type and Amount.

A3.8.5.3.2. Fusing and Casing.

A3.8.5.3.3. Lethal Radius and Blast Pattern.

A3.8.5.4. Combined Weapon System Capabilities.

A3.8.5.4.1. Pattern or random.

A3.8.5.4.2. Countertactics.

A3.9. Asymmetric Threats.

A3.9.1. Group/Entity Identity (e.g., insurgent groups).

A3.9.2. Tactics, techniques and procedures.

A3.9.3. Mission/Objective.

A3.9.4. Location or operating area.

A3.9.5. Motivation.

A3.9.6. New/Upgraded threats.

A3.9.7. Improvised Explosive Devices.

A3.9.7.1. System Overview.

- A3.9.7.1.1. Tactics, techniques and procedures.
- A3.9.7.1.2. Visual Identification.
- A3.9.7.1.3. Detonation frequency range.
- A3.9.7.1.4. Detonation Process (e.g., radio, electro-optical, magnetic controlled).
- A3.9.7.1.5. Potential timing devices and reliability.
- A3.9.7.2. Detection Capabilities.
- A3.9.7.3. Explosives or other effect.
 - A3.9.7.3.1. Type and Amount.
 - A3.9.7.3.2. Fuzing and Casing.
 - A3.9.7.3.3. Lethal Radius and Blast Pattern.

Attachment 4

SITUATION DISPLAYS

A4.1. Situation Displays. Develop quality control procedures to ensure standardization and accuracy of situation displays. Units will use correct symbology for developing order of battle as applicable to the unit mission. When no standard symbol exists for a unit, activity or installation, improvise one and define its meaning in the legend. Standardize situation displays and include the following, as applicable to mission requirements: (T-2)

A4.1.1. Major elements of friendly forces.

A4.1.1.1. Fire support coordination measures such as troops in contact , forward edge of the battle area, forward lines of own troops, fire support coordination line , restricted operating zones, combat air patrols, landing zones/drop zones, etc.

A4.1.1.2. Area of operations.

A4.1.1.3. No fire zone, free fire zone, and restricted fire zone as appropriate.

A4.1.1.4. Applicable airspace control measures such as air refueling tracks, corridors, etc.

A4.1.1.5. Location of friendly airfields.

A4.1.1.6. Special operations forces locations.

A4.1.1.7. Downed aircrew locations.

A4.1.2. Major elements of enemy forces.

A4.1.2.1. Location of enemy airfields and air order of battle.

A4.1.2.2. Integrated Air Defense System elements.

A4.1.2.2.1. Defensive missile order of battle including threat rings for static (non-mobile) surface-to-air missiles.

A4.1.2.2.2. Electronic order of battle including early warning and ground control intercept sites and visual observer locations.

A4.1.2.2.3. Air defense artillery/anti-aircraft artillery.

A4.1.2.3. Surface to air firings and source(s) when known.

A4.1.2.4. Ground order of battle.

A4.1.2.5. Naval order of battle.

A4.1.2.6. Asymmetric events (e.g. directed energy weapons incidents, improvised explosive devices, minefields as applicable) and any significant activity.

A4.1.3. Chemical, biological, radiological, nuclear and explosive contaminated areas.

A4.1.4. Legend depicting all symbols and associated captions.

A4.1.5. Classification and downgrading data.

A4.1.6. Current as of date-time group.