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SECRETARY OF THE AIR FORCE**

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



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Intelligence

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

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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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 establishes the minimum Air Force standards for training 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. This publication requires the collection or maintenance of information protected by the Privacy Act of 1974. Privacy Act System of Records Notice F011 AF AFMC B, Patriot Excalibur, covers required information. The authority to maintain the records prescribed in this instruction are Title 10 U.S.C. §8013, *Secretary of the Air Force*; as implemented by AFI 36-2608, *Military Personnel Records System*, and AFI 14-202, and Executive Order 9397, *Numbering System for Federal Accounts Relating To Individual Persons*, as amended by Executive Order 13478, *Amendments to Executive Order 9397 Relating to Federal Agency Use of Social Security Numbers*. 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 the 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.

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Chapter 1

INTRODUCTION

1.1. General. This volume provides guidance for training MQ-1&9 unit intelligence personnel. With the cited references, it establishes the procedures to attain and maintain the qualifications and currencies to support 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 requirements 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 unit intelligence training are AFI 14-2MQ-1&9, Volume 2, *MQ-1 and MQ-9 Unit Intelligence Evaluation Criteria*; AFI 14-2MQ-1&9, Volume 3, *MQ-1 and MQ-9 Unit Intelligence Procedures*; 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.

1.4. Roles and Responsibilities.

1.4.1. Air Force Deputy Chief of Staff, Intelligence, Surveillance and Reconnaissance (AF/A2), through AF/A2DF, ISR Forces, will review and monitor MAJCOM intelligence training policies, guidance and supplements to this publication for consistency with the AFI 14-202 program and for standardization across the intelligence mission set.

1.4.2. ACC/A2. In addition to the lead MAJCOM responsibilities identified in AFI 14-202, Volume 1, ACC/A2 will:

1.4.2.1. Coordinate with affected MAJCOMs to establish standardized minimum requirements for MQ-1&9 intelligence personnel training.

1.4.2.2. In coordination with other organizations develop, obtain and provide baseline training materials for Initial Qualification Training (IQT), Mission Qualification Training (MQT), Continuation Training (CT), and Specialized Training (ST). These materials will include:

1.4.2.2.1. A training standard, course syllabus and curriculum for IQT through formal course reviews IAW AFI 14-202, Volume 1.

1.4.2.2.2. Baseline threat capabilities briefings covering worldwide adversary and neutral forces aircraft, air-to-air missiles (AAM), surface to air missiles (SAM), air defense artillery (ADA), electronic warfare (EW), directed energy weapons (DEW), ground forces and associated equipment, naval systems, and asymmetric threat capabilities, limitations and employment techniques. Full spectrum threat analysis (FSTA) of the remotely piloted aircraft (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.

1.4.2.2.3. Softcopy and hardcopy still images, computer-generated graphics and digital audiovisual visual recognition (VR) training materials covering worldwide adversary, neutral and friendly air, naval, ground, missile and electronic orders of battle (OB) as well as asymmetric threat systems, their deployment patterns, camouflage, concealment and deception measures as deployed by foreign forces.

1.4.2.3. Assist subordinate units in developing training programs.

1.4.2.4. Assist MAJCOM/A2s with MQ-1&9 units in providing support to unit training programs.

1.4.2.5. Engage in crosstalk with unit senior intelligence officers (SIO) and MAJCOM/A2 training organizations on the defined standardized training requirements. Provide feedback on lead MAJCOM-developed training materials and discuss applicability of emergent training tools, techniques and procedures. Assist units in identifying changes in requirements and potential training opportunities to MAJCOM/A2. Foster unit-level 'best practices' exchanges for intelligence personnel training.

1.4.3. MAJCOM/A2. MAJCOM/A2s with unit-level intelligence personnel providing support to MQ-1&9 units will:

1.4.3.1. Coordinate with ACC/A2 to establish standardized minimum training requirements and supporting training materials.

1.4.3.2. Provide support to subordinate units in developing their training programs.

1.4.3.3. Submit requests for training program support to ACC/A2.

1.4.4. Unit SIO. 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 unit SIO is responsible for:

1.4.4.1. Executing orientation, mission qualification, continuation and specialized qualification training programs with sufficient frequency, consistency and accuracy, to ensure personnel knowledge, skills and abilities remain current in accordance with locally developed standards and this publication. Provide written guidance detailing how programs will be conducted. (T-2)

1.4.4.2. In coordination with the RS/CC or ATKS/CC, designating the qualification to which each position will train. All personnel must maintain at least Basic Mission Capable (BMC) qualification status. Upon request, provide MAJCOM/A2 and operational commander(s), as appropriate, with a list of Combat Mission Ready (CMR) and BMC positions. Review this designation annually. (T-3)

1.4.4.3. Appointing an intelligence qualification training program manager to oversee accomplishment and documentation of IQT, MQT, CT and ST of unit personnel. When assigned, the USAF Intelligence Weapons (Sensor) Instructor Course graduate will provide input into the training programs. (T-3)

1.4.4.4. Monitoring training requirements and currencies for all personnel. Assigned Individual Mobilization Augmentees (IMA) will be trained and equipped according to established standards for their respective RegAF counterpart. (T-3)

1.4.4.5. Assign personnel under the direct supervision of qualified and current personnel when required to participate in operational events or perform tasks for which they are not qualified and current. (T-2)

1.4.4.6. Identify and report training shortfalls having a negative impact on operations to the MAJCOM/A2 and courtesy copy Numbered Air Force (NAF)/A2, as applicable. See attachment 2 for an example report. (T-3)

1.4.4.7. Participate in crosstalk with other unit SIOs and MAJCOM/A2 training organizations on the defined standardized training requirements. Provide feedback on lead MAJCOM developed training materials and discuss applicability of emergent training tools, techniques and procedures. Identify changes in requirements and potential training opportunities to MAJCOM/A2. Participate in unit-level 'best practices' exchanges for intelligence personnel training. (T-3)

1.4.5. Unit Intelligence Qualification Training Manager: The Intelligence Qualification Training Manager will:

1.4.5.1. Develop and manage an intelligence qualification training program. Design training programs to achieve the highest degree of mission readiness consistent with safety and resource availability. Training must balance the need for realism against the expected threat, unit mission and capabilities. (T-2)

1.4.5.2. Use lead command-developed training materials to assist in the development and conduct of unit training programs, as applicable. Modify these baseline training materials and augment with locally-derived products to meet unit needs. (T-3)

1.4.5.3. Monitor intelligence personnel currencies and requirements and notify/coordinate with individual's chain-of-command on training issues. (T-3)

1.4.5.4. Provide a written evaluation of the intelligence personnel training program to the SIO at the end of each training cycle. Submit reports IAW the unit operating instruction for tracking overall training status of intelligence personnel. (T-3)

1.4.5.5. Provide a copy of individual qualification training records upon member's change of station or assignment to assist the gaining unit in assessing current qualifications and training requirements. (T-3)

1.4.6. Work Center Supervisor. The Work Center Supervisors will:

1.4.6.1. Ensure assigned intelligence personnel attain and maintain the qualification status determined by the SIO. (T-2)

1.4.6.2. Assist the intelligence qualification training manager in developing and executing unit intelligence training programs. (T-3)

1.4.6.3. Review training and evaluation records of and interview newly assigned personnel and those completing formal training to determine the training required for them to achieve the qualifications required for their assigned duty position. (T-2)

1.4.7. Intelligence Personnel Responsibilities. Intelligence personnel will:

1.4.7.1. Complete training and currency requirements within the guidelines of this publication and AFI 36-2201, *Air Force Training Program*. (T-2)

1.4.7.2. Notify supervisor of any issues affecting training events, qualification status, or the ability to participate in training. (T-2)

1.4.7.3. When changing station or assignment, ensure qualification records are delivered to the gaining unit. (T-3)

1.5. Internal Training. Internal intelligence training is a venue intended to facilitate achieving and maintaining currency status for all intelligence personnel. Training received during internal training is achieved via skills practice/demonstration during exercises or special events, group academics or as otherwise devised by the SIO. The internal intelligence training plan will include all identified training requirements for the training cycle. (T-2)

1.6. Qualification Training. Qualification training programs progress intelligence personnel from IQT through MQT to qualify them to perform duty position tasks and achieve CMR status. CT ensures individuals maintain proficiency and currency. ST qualifies individuals to perform specialized functions. Qualification training can/should be conducted in conjunction with skill-level upgrade training. For a detailed explanation of IQT, MQT, CT and ST, refer to AFI 14-202, Volume 1 and the ensuing chapters of this AFI.

1.7. Documentation. Units will document qualification training in coordination with AF/A2 approved processes regarding online documentation. (T-2)

Chapter 2

INITIAL QUALIFICATION TRAINING

2.1. General. IQT for intelligence personnel begins after initial skills training and concludes with successful completion of the Intelligence Initial Qualification Course (IIQC). The MQ-1&9 IIQC is designed to meet the IQT requirements for personnel assigned to support the MQ-1&9 weapon system.

2.2. IQT Requirements.

2.2.1. IQT formal course training will be completed within the time specified by the MQ-1&9 IIQC syllabus. Failure to complete training within the specified time limit requires notification to MAJCOM/A2 with person's name, rank, reason for delay, planned actions and estimated completion date. (T-2)

2.2.2. In-Unit IQT Training.

2.2.2.1. When individuals are unable to attend an IIQC to receive IQT, it may be conducted at the unit when authorized via waiver. Waiver requests for in-unit IQT will include: (T-2)

2.2.2.1.1. Justification for the in-unit training in lieu of formal course training.

2.2.2.1.2. Summary of individual's intelligence career field experience.

2.2.2.1.3. Date training will begin and expected completion date.

2.2.2.1.4. Requested exceptions, to formal course syllabus, with rationale.

2.2.2.2. If authorized to conduct in-unit IQT, units will use the MQ-1&9 IIQC syllabus and training courseware provided by ACC/A2. The minimum IQT requirements are documented in the MQ-1&9 IIQC training standard. In-unit IQT will be modified at the discretion of the SIO for reasons based on the individual's proficiency, experience, or previous qualifications. (T-2)

2.2.2.3. Personnel completing in-unit IQT will be evaluated according to the same criteria as individuals completing the MQ-1&9 formal course training. Evaluation and certification will be annotated in coordination with AF/A2 approved processes regarding online documentation. (T-2)

Chapter 3

MISSION QUALIFICATION TRAINING

3.1. General. MQT provides intelligence personnel the training needed to perform in their assigned duty positions supporting MQ-1&9 missions/operations. This chapter provides guidance to assist SIOs in developing and executing their MQT program. MQT execution will take into account assigned duty position, current qualifications, prior experience and training, currency, documented performance and/or formal training achieved by each individual. Accomplish MQT through one-on-one instruction from a qualified trainer, external courses, or other training opportunities that satisfy the requirements for MQT. Use applicable portions of MQT to create a requalification program for personnel who are in non-CMR (N-CMR) or non-BMC (N-BMC) status. (T-2)

3.1.1. Prior to completing MQT, member must have completed IQT. (T-3)

3.1.2. MQT begins within 45 days (90 days for Air Force Reserve Command (AFRC) and ANG) of the individual's first duty day at the gaining unit or immediately after the completion of IQT. Timelines for completion of MQT for each MAJCOM and reporting requirements are specified in the following paragraphs.

3.1.2.1. RegAF units will complete MQT within 120 days after start. Notify MAJCOM/A2 if training exceeds this timeline. (T-2)

3.1.2.2. AFRC units and IMAs will complete MQT within 365 calendar days. However, AFRC AGR/ARTs or reservists on full-time orders of 120 consecutive days or greater will complete MQT per the RegAF timeline. Notify MAJCOM Intelligence IMA Program Manager and AFRC/A2 if training timelines are exceeded. (T-2)

3.1.2.3. Non-prior service ANG personnel will complete MQT within 120 days with Mission Essential Skills Training (MEST) Days, or 180 days for personnel not authorized MEST days. Notify the NGB /A2 and ACC/A2 if training exceeds this timeline. (T-2)

3.1.3. MAJCOM/A2s will consolidate unit reporting of personnel exceeding allowable time lines and notify ACC/A2 on an annual basis.

3.1.4. AF Form 4381, *Intelligence Gradesheet*. Use the AF Form 4381 to document the trainee's progression through each individual training item. Specific MQT gradesheet elements are located in attachment 3. (T-2)

3.1.5. Personnel meet requirements for CMR status upon successful completion of MQT and a successful Initial Mission Qualification Evaluation (INIT MSN) IAW AFI 14-202, Volume 2 and AFI 14-2MQ-1&9, Volume 2.

3.1.6. Units will develop blocks of instruction covering areas pertinent to the mission. Derive training from lead command-provided and unit-developed training materials. Unit MQT programs will include all unique local area procedures and will ensure the trainee is able to demonstrate knowledge/performance task proficiency. The MQT program for MQ-1&9 intelligence personnel will include, but not be limited to the following areas and concepts based on their assigned duty position. Attachment 5 lists the minimum MQT requirements outlined in the following paragraphs. (T-2)

3.2. Mission Support Analyst (MSA) Knowledge and Performance Task Training.

3.2.1. Knowledge-based Tasks. Trainees must demonstrate knowledge specific to unit missions listed below except research, analysis, and dissemination (RAD), intelligence preparation of the operational environment (IPOE) by successfully completing a test from the unit master question file (MQF) (85 percent minimum to pass). RAD and IPOE involves imparted knowledge that intelligence personnel should be applying throughout all areas of the training and will be evaluated as subsets of each applicable graded area. (T-2)

3.2.1.1. Research, Analysis, and Dissemination and Intelligence Preparation of the Operational Environment.

3.2.1.1.1. Basic Intelligence Research. Objective: Demonstrate ability to apply intelligence sources to unit operations, mission and Operations Plan (OPLAN)/Concept Plan (CONPLAN) tasking. Specific tasks: Identify unit hardcopy and softcopy intelligence resources. Explain strengths and weaknesses of specific types of intelligence in the context of the MQ-1&9 weapons system and the unit mission. Identify Intelligence Community analysis centers and intelligence producers useful for intelligence applications at the unit level. Demonstrate use of intelligence systems and software to request intelligence from outside sources when unit intelligence holdings are insufficient. Draft and transmit requests for information using US Message Text Format when reporting directives do not exist or when intelligence information systems are unavailable.

3.2.1.1.2. Mission-Related Analysis. Objective: Demonstrate ability to discern what intelligence applies to the unit mission, (e.g., what is useful to unit pilots/sensor operators (SO), mission planners, squadron and wing leadership and what intelligence is not useful). Specific tasks: Describe intelligence needed by MQ-1&9 pilots/SOs and mission planners. Define rules of engagement and operations security. Describe general intelligence requirements of the wing commander, operations group commander and other functional areas supported by intelligence. Describe the intelligence requirements established by the SIO to support the unit's OPLAN/CONPLAN tasking.

3.2.1.1.3. Dissemination Techniques. Objective: Demonstrate knowledge of unit-level resources, points and methods of dissemination to pilots/SOs, mission planners, wing/group leadership and other end-users of intelligence as determined by the unit mission and OPLAN/CONPLAN tasking. Specific tasks: Describe the use of intelligence systems and information displays to disseminate data. Describe professional/unprofessional use of collaborative chat tools, secure video teleconference and/or other interactive communications and dissemination systems used by the unit. Identify pilot/SO, mission planner and unit information resources and ways to integrate updated intelligence into the information flow. Describe methods to identify currency and expiration of intelligence provided to end users. Identify fundamentals of information security classification marking and controls, and sources of authoritative guidance. Describe rules, procedures and restrictions for secure transfer of intelligence from various levels of classified intelligence and information networks.

- 3.2.1.1.4. Intelligence Preparation of the Operational Environment. Objective: Demonstrate knowledge of IPOE terms and concepts and understand the analytical methodology employed in IPOE. Specific tasks: Describe the IPOE process (e.g., define the operational environment) as it pertains to the unit mission and OPLAN/CONPLAN tasking. Describe the impact of the operational environment, evaluating the adversary, and determining adversary courses of action. Identify IPOE products and producers based on unit mission and OPLAN/CONPLAN tasking and the ability to identify/extract intelligence for unit operations.
- 3.2.1.2. MQ-1&9 Weapons Systems Academics. Objective: Demonstrate knowledge of the unit's MQ-1&9 platform and sensors. Specific tasks: Describe unit MQ-1&9 weapons systems to include aircraft characteristics, sensors, weapons, components and systems, capabilities and limitations. Relate facts on how Air Force and joint doctrine drive the unit's missions and employment. Define operational and intelligence terms commonly encountered in a MQ-1&9 unit.
- 3.2.1.3. Threat Knowledge. Objective: Demonstrate knowledge of applicable area of responsibility (AOR) enemy/adversary threats. Specific tasks: Conduct FSTA of RPA architecture. Identify details of aircraft, AAMs, SAMs, ADA, EW, DEWs, ground and naval forces and associated equipment, cyber and asymmetric threat capabilities and limitations. Describe employment techniques of adversary/threat forces in the operational environment. Describe how these threats could affect unit mission accomplishment. Threats covered will include threats to the MQ-1&9 aircraft, ground elements and the data architecture.
- 3.2.1.4. Friendly and Neutral Weapons Systems. Objective: Demonstrate knowledge of applicable AOR friendly and neutral defensive weapons systems. Specific tasks: Identify details of aircraft, AAMs, SAMs, ADA, EW, DEWs, ground and naval forces and associated equipment, and asymmetric threat capabilities and limitations. Describe employment techniques of friendly and neutral forces in the operational environment.
- 3.2.1.5. Key Missions. Objective: Demonstrate knowledge of the key missions the MQ-1&9 is tasked to support. Specific task: Describe MQ-1&9 missions as identified by AFTTP 3-1.MQ-1 and AFTTP 3-1.MQ-9.
- 3.2.1.6. Mission Partners. Objective: Demonstrate knowledge of MQ-1&9 mission partners. Specific task: Identify roles and responsibilities of supported units, Processing Exploitation and Dissemination (PED) elements, the Combined Air and Space Operations Center, Air Support Operations Center, Joint/Tactical Operations Center, Launch and Recovery Element, Wing Operations Center, and the Ground Liaison Officer.
- 3.2.1.7. Mission Planning Resources. Objective: Demonstrate knowledge of mission planning resources and applicable guidance related to MQ-1&9 operations. Specific task: Identify the purpose and impact of the Air Operations Directive, the Air Tasking Order (ATO) and Reconnaissance, Surveillance, and Target Acquisition (RSTA) Annex; Intelligence, Surveillance and Reconnaissance (ISR) tasking products, Airspace Control Order (ACO), Special Instructions (SPINS), Rules of Engagement (ROE), and tactical-level concepts of operations. Relate how weather and terrain effects influence mission execution.

3.2.1.8. MQ-1&9 Communications Infrastructure. Objective: Demonstrate knowledge of critical communication nodes and vulnerabilities, which affect mission execution. Specific tasks: Describe MQ-1&9 remote split operations, overall communications architecture and links, and Full Motion Video (FMV) distribution methods between the RPA operations center, ground control station, tasking agencies, supported units and PED nodes. Determine potential communications infrastructure limitations and solutions.

3.2.1.9. Intelligence Reporting. Objective: Demonstrate knowledge of intelligence reporting. Specific tasks: Identify the purpose and format of intelligence-generated reports such as intelligence report (INTREP) and mission report (MISREP). Explain different report writing techniques. Provide details on local production procedures.

3.2.2. Performance-based Tasks. Training will ensure the trainee is able to accomplish tasks IAW evaluation criteria outlined in AFI 14-2MQ-1&9, Volume 2. (T-2)

3.2.2.1. Workstation Set-up. Objective: Demonstrate proficiency in preparing workstation to support a unit specific MQ-1&9 mission according to local procedures. Specific task: Plot taskings/targets; set up communications tools; coordinate with tasking sources; coordinate with PED nodes for target information.

3.2.2.2. Mission Resource Utilization . Objective: Demonstrate proficiency in accessing and extracting applicable data from mission resource documents applicable to the unit's mission. Specific tasks: Recognize and extract unit tasking, airspace control, intelligence information, and other applicable mission data from the ATO/ACO/SPINS/RSTA Annex, Joint Tactical Air Request (JTAR), Airspace Control Plan (ACP), ISR target deck, ISR 7-line, ISR 8-Line, and the ground force concept of operations and associated graphics (e.g., Gridded Reference Graphic) for the mission crew as applicable to the unit mission. Plot data required to prepare the mission crew for immediate tasking. Use manual and automated techniques and tools IAW prescribed local timelines and format requirements.

3.2.2.3. Situation Displays. Objective: Demonstrate proficiency in using intelligence systems, to construct, post, update, and maintain quality situation displays based on unit mission and OPLAN/CONPLAN tasking. Specific tasks: Post target location, reference points, and maintain OB. Convert coordinates between coordinate systems. Describe locations using cardinal directions relative to the MQ-1&9 aircraft and sensor view. Produce a situational awareness overlay. Convert ISR target locations into electronic displays for use during the mission. Verify accuracy of computer generated OB symbology using correct symbology as applicable. Identify critical elements of the table of organization and equipment for potential enemy/adversary nations. Use AOR OB production sources.

3.2.2.4. Ad Hoc Tasking Procedures. Objective: Demonstrate proficiency in coordinating ad hoc taskings such as dynamic or non-interference basis requests, with appropriate collection managers, close air support (CAS) and/or ISR controlling authorities. Specific tasks: Identify sources of ad hoc taskings. Extract and tailor associated essential elements of information (EEI). Coordinate with other mission crewmembers to determine if execution of ad hoc tasking is appropriate and/or feasible. Coordinate with requesting agency to ensure ad hoc tasking is fulfilled. Identify the reporting process of ad hoc tasking.

3.2.2.5. Special Payload Procedures. Objective: Demonstrate proficiency in optimizing MQ-1&9 employment. Specific tasks: Identify the capabilities of special payloads carried on the MQ-1&9. Recommend utilization of MQ-1&9 aircraft in order to optimize onboard sensors. Coordinate with mission crew, supported unit and other mission partners during payload utilization.

3.2.2.6. Find/Fix/Track. Objective: Demonstrate proficiency in maintaining situational awareness on tasked targets. Specific tasks: Determine target location via metadata and workstation software as required by unit mission. Locate a target within a search area and employ “target talk-on” techniques with other crewmembers. Provide IPOE products of the target area to the pilot/ SO. Identify or clarify recognizable target characteristics (e.g., stationary/mobile, historical activity, deployment patterns or locations) with tasking unit(s) and/or PED nodes as applicable. Recommend tactics as appropriate to include sensor redirection, orbit repositioning and advise other mission crew members if requested.

3.2.2.7. Sensor ISR Integration/Cross-cue. Objective: Demonstrate proficiency in identifying, executing and optimizing cross-cueing opportunities with other ISR assets and organizations as required by unit mission. Specific tasks: Identify and use national, theater, and tactical assets to enhance MQ-1&9 sensor employment (e.g., cross-cueing with E-8 to help track a moving vehicle, coordinating with a national agency for measurement and signals intelligence products to provide greater resolution to MQ-1&9 targets). Facilitate flow of information gained from ISR cross-cue. Use proper communication channels for retasking opportunities if required. Provide feedback to mission crew and PED nodes on cross-cueing efforts and results. Report results as necessary.

3.2.2.8. Time-Sensitive Reporting. Objective: Demonstrate procedures for reporting actionable information and threat warning to crewmembers and mission partners. Specific tasks: Explain circumstances in which the MQ-1&9 operations center may communicate actionable information. Identify and locate emergent threats using intelligence systems. Accurately assess threat capability against the MQ-1&9 aircraft or ground elements and suggest countertactics. Disseminate the threat warning to the pilot/SO while it is still actionable.

3.2.2.9. Intelligence Reports. Objective: Demonstrate proficiency in developing and transmitting accurate reports IAW unit checklists and the theater intelligence reporting directive as required by unit mission. Specific tasks: Generate intelligence reports (e.g., MISREPs, Intelligence Summary (INTSUM), INTREP, Close Air Support Summary) using intelligence systems and/or manual methods applied by the unit. Produce weapon system video (WSV) and/or imagery for attachment to intelligence reports (e.g., MISREPs, INTREP) as applicable. Validate accuracy and completeness IAW standards established by the SIO.

3.2.2.10. Intelligence Briefing. Event objective: Demonstrate proficiency in planning, developing, coordinating and presenting briefings. Specific tasks: Research, analyze and summarize intelligence that may affect MQ-1&9 tasking or the unit’s area of interest for a selected type of briefing. Demonstrate proficiency in using computer, web-based, audiovisual and/or manual information display and dissemination tools as applied by the

unit. Deliver briefings IAW standards established by the SIO, based on unit mission and OPLAN/CONPLAN tasking.

3.2.2.11. Pre-Mission Support. Objective: Demonstrate proficiency in mission planning to support MQ-1&9 crews. Specific tasks: Acquire and provide required intelligence products to mission crews. Provide threat and target intelligence pertaining to the current situation including friendly and enemy electronic, air, missile, naval and ground OBs when appropriate. Conduct analysis using intelligence systems and graphics. Tailor products to tasked mission. Present analytical product to mission crewmembers in IAW prescribed local timelines, format and content requirements.

3.3. Target Development Analyst (TDA) Knowledge and Performance Task Training.

3.3.1. Units with target intelligence personnel assigned will develop blocks of instruction covering areas pertinent to the targeting mission and derived from lead MAJCOM and unit-developed training materials. The MQT program for MQ-1&9 target intelligence personnel will include, but not be limited to the following areas (Attachment 5 lists the minimum MQT requirements outlined in the following paragraphs). (T-2)

3.3.2. Knowledge-based Tasks. Trainees must demonstrate knowledge specific to unit missions listed below completing a test from the unit MQF (85 percent minimum to pass). (T-2)

3.3.2.1. MQ-1&9 Weapons Systems Academics. Objective: Demonstrate knowledge of the unit's specific MQ-1&9 platform and sensors. Specific tasks: Describe unit specific MQ-1&9 weapons systems to include aircraft characteristics, sensors, unit-specific weapons, components and systems, and capabilities and limitations. Relate facts on how Air Force and joint doctrine drive the unit's missions and employment.

3.3.2.2. TDA Roles and Responsibilities. Objective: Demonstrate knowledge on the targeting planning and execution processes. Specific task: Demonstrate an understanding of the unit's targeting planning process.

3.3.2.3. Collateral Damage Estimation (CDE). Objective: Demonstrate knowledge of CDE methodology. Specific task: Describe methods of CDE and how to apply the methodology to unit specific requirements.

3.3.3. Performance Tasks. Training will ensure the trainee is able to accomplish tasks IAW evaluation criteria outlined in AFI 14-2MQ-1&9, Volume 2. (T-2)

3.3.3.1. TDA Workstation Utilization. Objective: Demonstrate knowledge of appropriate targeting and mission planning resources. Specific task: Identify imagery databases and portals, mensuration software, weaponeering solutions software, CDE software, and FMV to meet the targeting and mission planning requirements of the unit.

3.3.3.2. Payload & Weaponeering. Objective: Demonstrate proficiency optimizing MQ-1&9 employment when equipped with payloads. Specific tasks: Describe capabilities of payloads carried on the MQ-1&9. Recommend utilization of MQ-1&9 aircraft in order to optimize employment of weapons.

3.3.3.3. Targeting Products. Objective: Demonstrate proficiency in verifying products to meet the targeting and mission planning requirements of the unit. Specific task: Acquire professional, accurate, and timely mensurated graphics, models that determine

the best weaponeering solution, graphics that portray potential collateral damage concerns, and apply battle damage assessment methodology as required.

Chapter 4

CONTINUATION TRAINING

4.1. General. This chapter outlines intelligence CT requirements for CMR and BMC intelligence personnel. There are two aspects of CT. The first consists of basic intelligence knowledge and performance training items. These training topics ensure intelligence personnel remain competent in MQ-1&9 operations and weapons systems capabilities, threat systems and unit intelligence functions. The second aspect of CT is the Ready Intelligence Program (RIP), which identifies specific mission-related tasks intelligence personnel must perform on a regular basis.

4.2. Continuation Training for Basic Knowledge and Performance Tasks. This section provides a baseline of basic knowledge and performance tasks. SIOs will supplement these requirements, as necessary. Trainers will use lead-MAJCOM provided training materials and other resources as needed to provide the most effective and efficient training. CT must reinforce MQT tasks and facilitate RIP requirements. Compile basic knowledge examinations from the unit MQF. Annotate completion of CT tasks using the approved online training documentation system. At a minimum, cover the following topics during CT: (T-2)

4.2.1. MQ-1&9 Operations and Capabilities – to include assigned missions, capabilities and limitations, employment and tactics, and applicable mission partners.

4.2.2. Threat Knowledge – to include potential AOR enemy/adversary aircraft and armaments, SAMs, ADA, EW, DEWs, naval and ground threat system capabilities and limitations with respect to MQ-1&9 operations.

4.2.3. Communications and Imagery Dissemination systems – to include the use of current and future systems.

4.2.4. Intelligence Systems – to include types and functions of intelligence systems, mission planning software applications and operations, and how intelligence systems support the unit mission.

4.2.5. Situation Displays – to include unit procedures/checklists and standards for creating and maintaining automated OB.

4.2.6. Briefing – to include preparing and presenting the various in-garrison and employment operations required briefings IAW unit checklists.

4.2.7. Intelligence Support to Mission Planning – to include targeting and mission planning requirements of the unit, accurate and timely mensurated graphics, and models that determine the best weaponeering solution.

4.2.8. Debriefing – to include preparation for and techniques to conduct a debriefing, handling of time-sensitive information and proper debriefing tools/products.

4.2.9. Reporting – to include types of intelligence reports and formats, theater intelligence reporting requirements, software applications and transmission methods.

4.2.10. C2ISR platforms and capabilities – to include capabilities of ISR platforms, intelligence dissemination systems and review of intelligence collection methods.

4.3. TDA Continuation Training for Basic Knowledge and Performance Tasks. At a minimum, cover the following topics during CT: (T-2)

4.3.1. MQ-1&9 Operations and Capabilities – to include assigned missions, capabilities and limitations, employment and tactics, and applicable mission partners.

4.3.2. Intelligence Systems – to include communications and imagery dissemination systems; imagery databases and portals; mensuration software; weaponeering solutions software; CDE software; and FMV.

4.3.3. CDE – to include methods and how to apply the methodology to unit specific requirements.

4.3.4. Intel support to mission planning as applicable– to include mission directives Geospatial Information and Services familiarization and acquisition, receipt, storage and maintenance for electronic target folder construction.

4.4. Ready Intelligence Program. The intent of RIP is to ensure intelligence personnel perform specific mission essential tasks with sufficient frequency to maintain proficiency in their duty positions. In order to maximize training opportunities and minimize artificiality, conduct RIP tasks in conjunction with day-to-day missions or exercises as much as possible. (T-2)

4.4.1. The task requirements listed in Table 4.1. *MQ-1&9 Ready Intelligence Program and Currency Requirements*, establish the minimum frequency requirements for CMR and BMC. Failure to accomplish these requirements will affect the individual’s CMR or BMC status and additional training will be required as determined by the SIO. (T-2)

4.4.2. Intelligence personnel must complete appropriate RIP tasks to maintain currency. If an intelligence specialist loses currency in a particular area, the individual may not perform that task unsupervised until currency is regained. Individuals are responsible for documenting RIP task completion. (T-2)

Table 4.1. MQ-1&9 Ready Intelligence Program Currency Requirements.

Subject	Minimum frequency to maintain CMR status	Minimum frequency to maintain BMC status
MSA RIP Requirements		
Workstation Setup	90 days	180 days
Situation Displays	90 days	180 days
Sensor ISR Integration/Cross-Cue	90 days	180 days
Intelligence Reports	90 days	180 days
Intelligence Briefing	90 days	180 days
Pre-Mission Support	90 days	180 days
TDA RIP Requirements		
Workstation Utilization	90 days	180 days
Payload knowledge & Weaponeering	90 days	180 days
Targeting Products	90 days	180 days

4.5. Regression. If personnel do not meet currency requirements throughout the training cycle, they will be regressed to N-CMR/N-BMC status, as applicable. The SIO will direct the member who fails to demonstrate proficiency in a given task to be regressed. Document regression and

the steps required to correct the situation in the individual's training record. Intelligence personnel regressed to N-CMR/N-BMC must complete a SIO-approved requalification program to return them to CMR/BMC standards. The tasks accomplished during the re-qualification program are credited toward currency task requirements for the training cycle. (T-3)

4.6. Requalification. For intelligence personnel whose qualification has expired, refer to AFI 14-202, Volume 1.

Chapter 5

SPECIALIZED TRAINING

5.1. Specialized Training. This chapter outlines ST for the specialized qualifications/certifications necessary to achieve specific unit mission requirements. Not all intelligence personnel are required to complete ST. These ST program requirements are for individuals without previous qualifications/certifications. Tailor these requirements for intelligence personnel with current qualifications, prior experience, currency, documented performance or formal training. Unless governed by a formal syllabus, these programs will consist of unit-developed academics and scenarios. Document ST on the AF Form 4381 (see Attachment 4 for the appropriate gradesheet elements). Attachment 5 lists the minimum ST requirements outlined in the following paragraphs. (T-2)

5.2. Intelligence Operations Supervisor (IOS). This program establishes the minimum guidelines for intelligence personnel recommended by their supervisor, and endorsed by the SIO and/or chief of squadron intelligence (SQ/IN), to perform IOS duties within the unit. (T-2)

5.2.1. Prerequisites. Any intelligence personnel selected for IOS must:

5.2.1.1. Be a mission qualified (CMR or BMC) MSA or TDA.

5.2.1.2. Have adequate knowledge and leadership skills to maintain supervision over all intelligence functions in the RPA operations area.

5.2.1.3. Complete the requirements for the IOS profiles listed below.

5.2.2. Intelligence Operations Supervisor Profiles.

5.2.2.1. IOS 1 – Mission Preparation. Objective: Demonstrate ability to ensure intelligence personnel are in position, current and qualified, and have executed appropriate mission preparation checklists. Specific tasks: Describe MQ-1&9 tasking methods and sources. Ensure all mission players have all items of intelligence value required for maximum situational awareness prior to conducting mission. Ensure all systems are operational and, if systems are not operational, coordinate appropriate fixes in a timely manner. Provide crewmembers with required intelligence items. Assist in mission planning if appropriate.

5.2.2.2. IOS 2 – Product Quality Control. Objective: Demonstrate ability to quality control intelligence products. Specific tasks: Identify and correct content and grammatical inaccuracies in MISREPs, crew briefings, intelligence summaries, and other intelligence products as required. Ensure the reports satisfy EEIs and are of intelligence value. Provide feedback as necessary to the report writer before and after presenting/disseminating reports and presentations.

5.2.2.3. IOS 3 – Mission Management. Objective: Demonstrate ability to supervise mission execution by maintaining situational awareness of all missions. Specific tasks: Communicate with the MQ-1&9 operations supervisor and crewmembers on intelligence issues. Identify tasking and supported units, working areas, and operational impacts of several simultaneous missions. Respond to scenarios such as mission changes, air asset

conflicts, strike events, broken equipment, weather, or communication lapses. Ensure ISR tasking and collection requirements are satisfied.

5.2.2.4. IOS 4 – Weapons Employment. Objective: Demonstrate knowledge of the role of the IOS during weapon employment of the MQ-1&9. Specific tasks: Explain theater ROE and SPINS as they apply to weapons employment scenarios. Coordinate with the operations supervisor, mission partners and command and control elements as appropriate.

5.2.3. IOS Evaluation. IOS evaluations will be conducted IAW AFI 14-202, Volume 2 and AFI 14-2MQ-1&9, Volume 2. The IOS evaluation will occur after IOS specialized training is completed. The IOS is qualified to perform IOS duties after completing training, successful completion of the Initial IOS Qualification Evaluation (INIT IOS) and SIO endorsement.

5.2.4. IOS Currency. IOSs must perform the duties related to the training profiles above at least once every 90 days to remain current. If an IOS loses currency, the individual will not perform IOS duties until currency is regained. To regain currency, non-current IOSs must satisfy overdue training requirements while supervised by another current and qualified IOS.

5.3. Mission Intelligence Coordinator (MIC). This program establishes the minimum guidelines for intelligence personnel recommended by their supervisor, and endorsed by the SIO and/or SQ/IN, to duties as a MIC within the unit. (T-2)

5.3.1. Prerequisites. Any intelligence personnel selected for MIC must:

5.3.1.1. Be mission qualified (CMR or BMC) MSA.

5.3.1.2. Complete the requirements for the MIC profiles listed below.

5.3.2. Mission Intelligence Coordinator training profiles.

5.3.2.1. MIC 1 - Distributed Mission Crew Communication. Objective: Demonstrate proficiency in effective crew communication. Specific tasks: Verify all crewmembers understand mission tasking. Ensure situational awareness is maintained; recognize when loss occurs and act to correct it. Demonstrate respect for other crewmembers and encourage coordination among crew. Communicate in a clear, concise and efficient manner. Listen and interpret communications from others; give constructive feedback when warranted. Prioritize tasks, create timelines and delegate when required. Identify and assess problems, explore solutions, make appropriate decisions and inform others. Participate in debriefs by recapping key points and soliciting inputs.

5.3.2.2. MIC 2 - Handover Procedures. Objective: Demonstrate proficiency in coordinating information during gaining, losing, or positive handover situations. Specific tasks: Gather all relevant information required for handover; identify and coordinate with mission partners and other agencies prior to and during handover.

5.3.2.3. MIC 3 - Target/Engage/Assess. Objective: Demonstrate proficiency in supporting weapons employment. Specific tasks: Demonstrate knowledge of the tasking (e.g., 9-line from a Joint Terminal Attack Controller). Support mission crewmembers by ensuring ROE and SPINS requirements are met. Assist/coordinate with mission crewmembers and mission partners if applicable in the weapons employment and/or buddy-laze process. Recognize and communicate factors (e.g., collateral damage) that

might affect weapons employment or re-attack. Provide immediate feedback to mission crewmembers and/or supported units on weapons effects.

5.3.2.4. MIC 4 - Video Downlink Procedures. Objective: Demonstrate proficiency in executing the procedures for coordinating and disseminating FMV. Specific Tasks: Utilize various methods to disseminate FMV feed to users. Conduct appropriate level of coordination for use of Remote Operated Video-Enhanced Receiver (ROVER) or other similar system.

5.3.3. MIC Evaluation. MIC evaluations will be conducted IAW AFI 14-202, Volume 2 and AFI 14-2MQ-1&9, Volume 2. The MIC evaluation will occur after MIC specialized training is completed. The MIC is qualified to perform MIC duties after completing training, successful completion of the Initial MIC Qualification Evaluation (INIT MIC) and SIO endorsement.

5.3.4. MIC Currency. MICs must perform the duties related to the training profiles above at least once every 90 days to remain current. If a MIC loses currency, the individual will not perform MIC duties unsupervised until currency is regained. To regain currency, non-current MICs must satisfy overdue training requirements while supervised by another current and qualified MIC.

5.4. External Intelligence Training (EIT) Trainer. This program establishes the minimum guidelines for intelligence personnel identified by the SIO to perform duty as an EIT trainer within the unit. Only certified EIT trainers may conduct unsupervised EIT. (T-2)

5.4.1. Prerequisites. Intelligence personnel selected by the SIO to be an EIT trainer must:

5.4.1.1. Be mission qualified.

5.4.1.2. Complete the requirements for EIT 1 and one or more of the remaining EIT profiles

5.4.2. EIT Trainer Profiles:

5.4.2.1. EIT 1 – EIT Concepts and Methods. Objective: Effectively apply appropriate instructional concepts and methods to fulfill EIT requirements. Specific tasks: Modify training to the specific audience. Demonstrate methods of delivering training using visual, auditory and physical applications. Demonstrate one-on-one, small group and large audience training techniques. Define methods to verify trainee achievement.

5.4.2.2. EIT 2 – Threat Knowledge. Objective: Demonstrate ability to provide threat training based on the minimum standards cited in AFI 14-2MQ-1&9, Volume 3. Specific tasks: Tailor information in the briefing to the audience. Use computer, web-based, audiovisual and/or manual information display and dissemination tools. Prepare and deliver an instructional session for a threat based on unit mission and OPLAN/CONPLAN tasking.

5.4.2.3. EIT 3 – Visual Recognition. Objective: Demonstrate ability to provide VR training. Specific tasks: Tailor information in the briefing to the audience. Use computer, web-based, audiovisual and/or manual information display and dissemination tools. Prepare and deliver a VR instructional session for threat and friendly weapons systems based on unit mission and OPLAN/CONPLAN tasking.

5.4.2.4. EIT 4 – Collection and Reporting (C&R). Objective: Demonstrate ability to provide C&R training based on reporting directives and SIO guidance. Specific tasks: Identify collection requirements and EEIs. Describe the use of aircrew-originated reports (e.g., In-flight Report or other formats) and intelligence-generated reports (e.g., INTREP, MISREP, INTSUM). Prepare and deliver an instructional session on C&R based on unit mission and OPLAN/CONPLAN tasking.

5.4.3. EIT Trainer Certification. Personnel are certified as EIT trainers upon successful completion of required tasks and/or endorsement from the SIO, weapons officer or SQ/IN. All EIT trainers must be certified prior to conducting unsupervised training. The individual must complete all training and be certified on the task/briefing element by SQ/INs.

5.4.4. EIT Trainer Currency. Table 5.1, *External Intelligence Training Trainer Events and Currencies*, defines the currency requirements for all intelligence personnel required to maintain EIT trainer status. If an EIT trainer loses currency in a particular area, the individual will not perform training unsupervised until currency is regained. Trainers who are non-current must satisfy overdue training requirements while supervised by another current and qualified EIT trainer in the same training event.

Table 5.1. External Intelligence Training Trainer Events and Currencies.

Event	Specialized Training	Currency Requirement
Threat Knowledge	Complete EIT 1 and EIT 2 specific tasks. Pass MQF test (threat specific).	Instruct one threat training event quarterly.
VR	Complete EIT 1 and EIT 3 specific tasks. Pass VR test.	Instruct one VR training event annually.
C&R	Complete EIT 1 and EIT 4 specific tasks. Pass MQF test (C&R specific).	Instruct one C&R training event semi-annually.

5.5. Intelligence Evaluator (IE). This program establishes the minimum guidelines for intelligence personnel identified by the SIO to perform IE duties within the unit. Intelligence evaluator trainees must be immersed in the knowledge of governing directives and task procedures. Intelligence evaluator training consist of two steps; observation and performance proficiency. Only qualified evaluators may conduct unsupervised intelligence evaluations. (T-2)

5.5.1. Prerequisites. Intelligence personnel selected to be an IE must:

5.5.1.1. Be mission qualified in the mission position that the person will evaluate.

5.5.1.2. Meet evaluator requirements as outlined in AFI 14-202, Volume 2.

5.5.1.3. Complete one or both of the IE observation profiles and the proficiency profile.

5.5.2. Intelligence Evaluator Training Profiles:

5.5.2.1. IE 1 – IE MSN Observation. Objective: Through observation of a qualified evaluator conducting a mission evaluation, gain knowledge of evaluation techniques and procedures. Specific tasks: Observe a mission evaluation. Describe the evaluation criteria, grading procedures and evaluation form preparation for an INIT MSN or MSN

evaluation. Identify scenarios for intelligence evaluations, objectivity issues, and techniques for conducting evaluations.

5.5.2.2. IE 2 – IE MIC Observation. Objective: Through observation of a qualified evaluator conducting a MIC evaluation, gain knowledge of evaluation techniques and procedures. Specific tasks: Observe a MIC evaluation. Describe the evaluation criteria, grading procedures and evaluation form preparation for an INIT MIC or MIC evaluation. Identify scenarios for intelligence evaluations, objectivity issues, and techniques for conducting evaluations.

5.5.2.3. IE 3 - IE Proficiency. Objective: Demonstrate proficiency in conducting intelligence evaluations. Specific tasks: Conduct an evaluation and provide a thorough debrief with the person being evaluated. Use evaluation criteria, grading procedures and proper techniques in documenting evaluation forms.

5.5.3. Intelligence Evaluator Evaluation. IE evaluations will be conducted IAW AFI 14-202, Volume 2 and AFI 14-2MQ-1&9, Volume 2. The IE evaluation will occur after IE specialized training is completed. The intelligence evaluator is qualified to perform IE duties after completing training, successful completion of the initial IE evaluation and SIO endorsement.

5.5.4. Intelligence Evaluator Currency. IEs must conduct at least one corresponding evaluation annually to remain current. IEs must also successfully complete periodic IE evaluations IAW AFI 14-2MQ-1&9, Volume 2. If an IE loses currency, the individual will not perform IE duties unsupervised until currency is regained. To regain currency, non-current IEs must satisfy overdue training requirements while supervised by another current and qualified IE.

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Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFI 11-2MQ-1, Volume 1, *MQ-1 - Aircrew Training*, 21 January 2010

AFI 11-2MQ-9, Volume 1, *MQ-9 - Crew Training*, 3 June 2008

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 2, *MQ-1 and MQ-9 Unit Intelligence Evaluation Criteria*, 3 April 2014

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

AFI 36-2201, *Air Force Training Program*, 15 September 2010

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*

AF Form 4381, *Intelligence Gradesheet*

Abbreviations and Acronyms

AAM—Air-to-Air Missile

ACC—Air Combat Command

ACO—Airspace Control Order

ACP—Airspace Control Plan

ADA—Air Defense Artillery

AFI—Air Force Instruction

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

AFRC—Air Force Reserve Command
AFTTP—Air Force Tactics, Techniques and Procedures
ANG—Air National Guard
AOR—Area of Responsibility
ATO—Air Tasking Order
BMC—Basic Mission Capable
C&R—Collection and Reporting
CAS—Combat Air Support
CMR—Combat Mission Ready
CONPLAN—Concept Plan
CT—Continuation Training
DEW—Directed Energy Weapons
EI—Essential Elements of Information
EIT—External Intelligence Training
EW—Electronic Warfare
FMV—Full Motion Video
FSTA—Full Spectrum Threat Analysis
IAW—In Accordance With
IE—Intelligence Evaluator
IIQC—Intelligence Initial Qualification Course
INIT MIC—Initial Mission Intelligence Coordinator Qualification Evaluation
INIT MSN—Initial Mission Qualification Evaluation
IMA—Individual Mobilization Augmentee
INTSUM—Intelligence Summary
INTREP—Intelligence Report
IPOE—Intelligence Preparation of the Operational Environment
IOS—Intelligence Operations Supervisor
IQT—Initial Qualification Training
ISR—Intelligence, Surveillance and Reconnaissance
JTAR—Joint Tactical Air Request
MAJCOM—Major Command
MEST—Mission Essential Skills Training

MIC—Mission Intelligence Coordinator
MISREP—Mission Report
MQF—Master Question File
MQT—Mission Qualification Training
MSA—Mission Support Analyst
NAF—Numbered Air Force
NGB—National Guard Bureau
N-BMC—Non-Basic Mission Capable
N-CMR—Non-Combat Mission Ready
OB—Order of Battle
OPLAN—Operations Plan
OPR—Office of Primary Responsibility
PED—Processing Exploitation and Dissemination
RAD—Research, Analysis, and Dissemination
RegAF—Regular Air Force
RIP—Ready Intelligence Program
ROVER—Remote Operated Video-Enhanced Receiver
ROE—Rules of Engagement
RPA—Remotely Piloted Aircraft
RSTA—Reconnaissance, Surveillance and Target Acquisition
SAM—Surface-to-Air Missile
SIO—Senior Intelligence Officer
SO—Sensor Operator
SPINS—Special Instructions
SQ/IN—Chief of Squadron Intelligence
ST—Specialized Training
T-2—Tier 2
T-3—Tier 3
TDA—Target Development Analyst
VR—Visual Recognition
WSV—Weapon 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

TRAINING SHORTFALL REPORT

Figure A2.1. Example Training Shortfall Report.

MEMORANDUM FOR MAJCOM/A2									
FROM: [UNIT]									
SUBJECT: Intelligence Training Shortfalls									
1. TRAINING SHORTFALLS. (Only report those shortfalls that the SIO feels will have a major impact on training.)									
	<table border="1"> <tr> <td style="width: 15%;">EVENT</td> <td>PERCENT OF CMR/BMC INTELLIGENCE PERSONNEL AFFECTED</td> </tr> <tr> <td></td> <td>SPECIFIC REASON FOR SHORTFALL</td> </tr> <tr> <td></td> <td>CORRECTIVE ACTION (IF ANY)</td> </tr> <tr> <td></td> <td>LIMFACS</td> </tr> </table>	EVENT	PERCENT OF CMR/BMC INTELLIGENCE PERSONNEL AFFECTED		SPECIFIC REASON FOR SHORTFALL		CORRECTIVE ACTION (IF ANY)		LIMFACS
EVENT	PERCENT OF CMR/BMC INTELLIGENCE PERSONNEL AFFECTED								
	SPECIFIC REASON FOR SHORTFALL								
	CORRECTIVE ACTION (IF ANY)								
	LIMFACS								
2. SIOs COMMENTS (Open forum for comments to improve the training reporting system).									
SIGNATURE BLOCK									
CC: NAF/A2									

Attachment 3

MQ-1&9 MISSION QUALIFICATION TRAINING GRADE SHEET ELEMENTS

A3.1. MQ-1&9 MQT Performance Task Grade sheet Elements. The MQT performance task gradesheet elements in this attachment are to be used when filling out AF Forms 4381. Intelligence qualification trainers will use AF Forms 4381 to record the trainee's progress through training events. File the completed gradesheets in the trainee's training record. (T-2)

Table A3.1. MQ-1&9 Workstation Setup Grade Sheet Elements.

1. Correctly configured workstation
1.1. Plotted taskings/targets
1.2. Set-up communications nodes
1.3. Coordinated with tasking sources
1.4. Coordinated with PED nodes for target information
2. Adhered to unit standards
3. Followed security guidelines

Table A3.2. MQ-1&9 Mission Resource Utilization Grade Sheet Elements.

1. Accessed and extracted unit specific information from mission resources
1.1. Recognized and extracted unit tasking, airspace control, intelligence information
1.1.1. ATO/ACO/SPINS
1.1.2. RSTA Annex
1.1.3. JTAR
1.1.4. ACP
1.1.5. ISR target deck
1.1.6. ISR 8-Line
1.1.7. Ground force concept of operations and associated graphics
1.2. Plotted mission planning data using manual or automated techniques
2. Communicated with mission crew/mission partners
3. Adhered to unit standards
4. Followed security guidelines

Table A3.3. MQ-1&9 Situation Displays Grade Sheet Elements.

1. Construct, post, update, and maintain quality situation displays
2. Research of sources and analysis for situation display data
2.1. Used AOR OB production sources
2.2. Identified proper components to be included on a situation display
2.2.1. Target location
2.2.2. Reference points
2.2.3. OB
2.2.3.1. Identified organization and equipment for potential enemy/adversary nations
2.2.3.2. Verified accuracy of computer generated OB symbology
3. Produce a situational awareness overlay
3.1. Used proper coordinate system

3.1.1. Geographic coordinates
3.1.2. Military Grid Reference System
3.1.3. Performed coordinate conversion
4. Describe locations using cardinal directions relative to MQ-1&9 aircraft
5. Adherence to unit standards
6. Followed security guidelines

Table A3.4. MQ-1&9 Ad Hoc Tasking Procedures Grade Sheet Elements.

1. Coordinate ad hoc taskings with collection managers, CAS and/or ISR controlling authorities
1.1. Identified sources of ad hoc taskings
1.2. Extracted EEIs associated with tasking
1.3. Coordinated with other mission crewmembers to determine if execution of ad hoc tasking is appropriate and/or feasible
1.4. Coordinated with requesting agency to ensure ad hoc tasking is fulfilled
1.5. Identified reporting process of ad hoc tasking
2. Adhered to unit standards
3. Followed security guidelines

Table A3.5. MQ-1&9 Special Payload Procedures Grade Sheet Elements.

1. Optimize MQ-1&9 employment
1.1. Identified capabilities special payloads on the MQ-1&9
1.2. Recommend utilization of MQ-1&9 aircraft in order to optimize onboard sensors
1.3. Coordinate with mission crew, supported unit and other mission partners during payload utilization
2. Adhered to unit standards
3. Followed security guidelines

Table A3.6. MQ-1&9 Find/Fix/Track Grade Sheet Elements.

1. Maintain situational awareness on tasked targets
2. Determine target location via metadata and workstation software
2.1. Locate a target within a search area
2.2. Employ “target talk-on” techniques with other crewmembers
2.3. Provide IPOE products of the target area to the pilot/SO
2.4. Identified/clarified target characteristics with tasking unit(s) and/or PED node
2.5. Recommend tactics to include sensor redirection, orbit repositioning
3. Adhered to unit standards
4. Followed security guidelines

Table A3.7. MQ-1&9 Sensor ISR Integration/Cross-Cue Grade Sheet Elements.

1. Identify, execute and optimize cross-cueing opportunities with other ISR assets and organizations
1.1. Identified and used national, theater and tactical assets to enhance sensor employment
1.2. Facilitated flow of information gained from ISR cross-cue

1.3. Used proper communication channels for retasking opportunities
2. Provided feedback to mission crew and PED nodes on cross-cuing efforts and results
3. Reported results
4. Adhered to unit standards
5. Followed security guidelines

Table A3.8. MQ-1&9 Time Sensitive Reporting Grade Sheet Elements.

1. Report actionable information and threat warning
1.1. Explained circumstances in which the MQ-1&9 operations center may communicate actionable information
1.2. Identified and located emergent threats using intelligence systems
1.3. Accurately assess threat capability against the MQ-1&9 aircraft or ground elements
1.4. Suggested countertactics
1.5. Disseminated threat warning to the pilot/SO while still actionable
2. Adhered to unit standards
3. Followed security guidelines

Table A3.9. MQ-1&9 Intelligence Reports Grade Sheet Elements.

1. Develop and transmit accurate reports
1.1. Generated intelligence reports using intelligence systems and/or manual methods
1.2. Validate accuracy and completeness
2. Adhered to unit standards
3. Followed security guidelines

Table A3.10. MQ-1&9 Intelligence Briefing Grade Sheet Elements.

1. Plan, develop, coordinate and present briefings
2. Briefing preparation
2.1. Research
2.2. Analysis
2.3. IPOE
2.4. Use of computer, web-based, audiovisual and/or manual information tools
3. General knowledge
3.1. Appropriate level of detail
3.2. Covered all applicable areas of concern for the briefing type being given
4. Delivery
4.1. Effective verbal and non-verbal communication
4.2. Effective use of visual aids
4.3. Appropriate level of detail
4.4. Applicability to audience
5. Adherence to unit standards
6. Followed security guidelines

Table A3.11. MQ-1&9 Pre-Mission Support Grade Sheet Elements.

1. Acquire and provide required intelligence products to mission crews
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1.1. Gathered all required mission materials
1.2. Conducted IPOE for target areas
1.3. Provided threat and target intelligence pertaining to the current situation
1.4. Tailored products to mission
1.5. Present analytical product to mission crew members
2. Adhered to unit standards
3. Followed security guidelines

Table A3.12. MQ-1&9 TDA Workstation Utilization Grade Sheet Elements.

1. Describe appropriate targeting and mission planning resources
1.1. Imagery databases and portals
1.2. Mensuration software
1.3. Weaponing solutions software
1.4. CDE software
1.5. Full motion video
2. Adhered to unit standards
3. Followed security guidelines

Table A3.13. MQ-1&9 Payload and Weaponing Grade Sheet Elements.

1. Optimize MQ-1&9 employment when equipped with payloads
1.1. Described capabilities of payloads carried on the MQ-1&9
1.2. Recommended utilization of MQ-1&9 to optimize employment of weapons
2. Adhered to unit standards
3. Followed security guidelines

Table A3.14. MQ-1&9 Targeting Products Grade Sheet Elements.

1. Verify products to meet the targeting and mission planning requirements
1.1. Mensurated graphics
1.2. Best weaponing solution
1.3. Accurate battle damage assessments
2. Adhered to unit standards
3. Followed security guidelines

ATTACHMENT 4

MQ-1&9 SPECIALIZED TRAINING GRADESHEETS

A4.1. MQ-1&9 ST Performance Task Gradesheet Elements. The ST task gradesheet elements in this attachment are to be used when filling out the AF Forms 4381. Intelligence qualification trainers will use the AF Forms 4381 to record the trainee's progress through training events. The ST gradesheets will be filed in the trainee's training record. (T-2)

Table A4.1. MQ-1&9 IOS Mission Preparation Grade Sheet Elements.

1. Ensure intelligence personnel are in position, current and qualified, and have executed appropriate mission preparation checklists
1.1. Described MQ-1&9 tasking methods and sources
1.2. Ensured all mission players have all items of intelligence value
1.3. Ensured maximum situational awareness prior to conducting mission
1.4. Ensured all systems are operational
2. Adept at troubleshooting systems/operational issues as needed
3. Displayed adequate leadership/management skills
4. Adhered to unit standards
5. Followed security guidelines

Table A4.2. MQ-1&9 IOS Product Quality Control Grade Sheet Elements.

1. Ensured quality of intelligence products
1.1. Ensured product content was correct and thorough
1.2. Corrected grammar and misspellings
2. Ensured the reports satisfy EEs and are of intelligence value
3. Provided feedback to the producer
4. Ensured proper dissemination of intelligence product
5. Adhered to unit standards
6. Followed security guidelines

Table A4.3. MQ-1&9 IOS Mission Management Grade Sheet Elements.

1. Supervise mission execution
1.1. Maintained situational awareness of all missions/mission taskings
1.2. Communicated with operations supervisor and crewmembers
2. Identified tasking and supported units, working areas, and operational impacts of simultaneous missions
3. Responded to mission changes, air asset conflicts, strike events, broken equipment, weather, or communication lapses
4. Ensured ISR tasking and collection requirements were satisfied
5. Adhered to unit standards
6. Followed security guidelines

Table A4.4. MQ-1&9 IOS Weapons Employment Grade Sheet Elements.

1. Identified the role of the IOS during weapons employment scenarios

2. Aware of ROE and SPINS as they apply to weapons employment scenarios
3. Coordinated with the operations supervisor, mission partners and command and control elements
4. Adhered to unit standards
5. Followed security guidelines

Table A4.5. MQ-1&9 MIC Distributed Mission Crew Communication Grade Sheet Elements.

1. Effectively communicate with the distributed mission crew
1.1. Verified all crewmembers understood mission tasking
1.2. Maintained situational awareness
1.3. Respected other crewmembers and encouraged coordination among crew
1.4. Communicated in a clear, concise and efficient manner
1.5. Listened and interpreted communications from others; gave constructive feedback
2. Prioritized tasks and created timelines
3. Identified and assessed problems, explored solutions, made appropriate decisions
4. Participated in debriefs, recapped key points and solicited inputs
5. Adhered to unit standards
6. Followed security guidelines

Table A4.6. MQ-1&9 MIC Handover Procedures Grade Sheet Elements.

1. Coordinate information during gaining, losing, or positive handover situations
1.1. Gathered all relevant information required for handover
1.2. Identified and coordinated with mission partners and other agencies prior to and during handover
2. Adhered to unit standards
3. Followed security guidelines

Table A4.7. MQ-1&9 MIC Target/Engage/Assess Grade Sheet Elements.

1. Support weapons employment
1.1. Knowledgeable of the tasking
1.2. Supported mission crew members by ensuring ROE or SPINS requirements were met
1.3. Assisted/coordinated with mission crew members and mission partners in the weapons employment and buddy-lase process
1.4. Identified and communicated factors that impacted weapons employment or reattack
1.5. Provided immediate feedback to mission crew members and/or supported units on weapons effects
2. Adhered to unit standards
3. Followed security guidelines

Table A4.8. MQ-1&9 MIC Video Downlink Grade Sheet Elements.

1. Coordinate and disseminate FMV
1.1. Used appropriate methods to disseminate FMV feed to users
1.2. Coordinated use of ROVER or other similar system

2. Adhered to unit standards
3. Followed security guidelines

Table A4.9. MQ-1&9 External Intelligence Training Trainer Grade Sheet Elements.

1. Preparation
2. Decision making
3. Objectives
4. Communication skills
5. Knowledge
6. Organization
7. Documentation
8. Follow security guidelines

Table A4.10. MQ-1&9 Intelligence Evaluator Grade Sheet Elements.

1. Preparation
2. Decision making
3. Objectives
4. Communication skills
5. Knowledge
6. Organization
7. Documentation
8. Follow security guidelines

Attachment 5

**MQ-1&9 MISSION QUALIFICATION TRAINING, SPECIALIZED TRAINING AND
READY INTELLIGENCE PROGRAM REQUIREMENTS**

A5.1. Table A5.1 consolidates the MQT, ST, and RIP training items. It is meant to be used by unit training personnel as a quick reference tool in developing unit training programs.

Table A5.1. MQ-1&9 MQT and RIP Requirements.

Requirement	MQT		RIP	
	MSA	TDA	MSA	TDA
RAD and IPOE	X	---	---	---
MQ-1&9 Weapons Systems Academics	X	X	---	---
Threat Knowledge	X	---	---	---
Friendly and Neutral Weapons Systems	X	---	---	---
Key Missions	X	---	---	---
Mission Partners	X	---	---	---
Mission Planning Resources	X	---	---	---
MQ-1&9 Communications Infrastructure	X	---	---	---
Intelligence Reporting	X	---	---	---
TDA Roles and Responsibilities	---	X	---	---
CDE	---	X	---	---
Workstation Set-up	X	---	X	---
Mission Resource Utilization	X	---	---	---
Situation Displays	X	---	X	---
Ad Hoc Tasking Procedures	X	---	---	---
Special Payload Procedures	X	---	---	---
Find/Fix/Track	X	---	---	---
Sensor ISR Integration/Cross-cue	X	---	X	---
Time Sensitive Reporting	X	---	---	---
Intelligence Reports	X	---	X	---
Intelligence Briefing	X	---	X	---
Pre-mission Support	X	---	X	---
TDA Workstation Utilization	---	X	---	X
Payload and Weaponing	---	X	---	X
Targeting Products	---	X	---	X

Table A5.2. MQ-1&9 ST Requirements.

Requirement	IOS	MIC	EIT	IE
IOS 1 – Mission Preparation	X			
IOS 2 – Product Quality Control	X			
IOS 3 – Mission Management	X			
IOS 4 – Weapons Employment	X			
MIC 1 – Distributed Mission Crew Communication		X		
MIC 2 – Handover Procedures		X		

MIC 3 – Target/Engage/Assess		X		
MIC 4 – Video Downlink Procedures		X		
EIT 1 – EIT Concepts and Methods			X	
EIT 2 – Threats and Countermeasures			X	
EIT 3 – C&R Training			X	
EIT 4 – VR Training			X	
IE 1 – IE MSN Observation				X
IE 2 – IE MIC Observation				X
IE 3 – IE Proficiency				X