

**BY ORDER OF THE
CHIEF, NATIONAL GUARD BUREAU**

**AIR NATIONAL GUARD INSTRUCTION 14-2
MISSILE WARNING, VOLUME 1**



27 JULY 2015

Intelligence

**MISSILE WARNING 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*, AFI 14-202, Volume 3, *General Intelligence Rules*, and AFI 36-2201, *Air Force Training Program*. . This publication establishes the minimum standards for training personnel performing intelligence duties to be used by all Air National Guard assigned or attached personnel to the 137th Space Warning Squadron (SWS)/Intelligence Flight. 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 is Title 10 U.S.C. 8013, Secretary of the Air Force; AFI 36-2608, *Military Personnel Records System* 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 Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>. Restrictions expressed in an instruction can be made more, but not less, restrictive by supplement. The provisions of higher-level publications take precedence over lower-level publications. This policy document supports all Air Force Intelligence Training Transformation (IT2) efforts as mandated by DoD and other national policy directives.

Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, Recommendation for Change of Publication. Route AF Form 847s through the appropriate functional's chain of command.

Unit may request waivers for tiered compliance items IAW AFI 33-360, Publications and Forms Management. National Guard Bureau (NGB)/A2 is the waiver authority for non-compliance items; these requests must be submitted through the chain-of-command to the publication OPR. In order for units to have time to prepare for compliance, this publication becomes effective 60 days after the publication date.

Chapter 1

GENERAL GUIDANCE

1.1. Scope. This volume outlines the basic guidance for training intelligence personnel supporting the 137th Space Warning Squadron mission. With the complementary references cited, this publication prescribes procedures to attain and maintain the qualifications and currencies for intelligence personnel in the 137th SWS/Intelligence flight. These training requirements are the minimum and can be supplemented by additional written guidance.

1.2. References. The primary references for intelligence support for missile launch warning are AFI 14-202, Volume 1, *Intelligence Training*; AFI 14-2, Volume 1, *Space Unit Intelligence Training*; AF Tactics, Techniques and Procedures (AFTTP) 3-1.Threat Guide, *Threat Reference Guide*; Joint Publication 3-14, *Space Operations*; Air Force Doctrine Document 3-14, *Space Operations* and this instruction.

1.3. Waivers. NGB/A2 is the waiver authority for this publication. Submit waivers to NGB/A2 and coordinate with Air Force Space Command (AFSPC)/A2 on all waiver correspondence. See AFI 33-360 for details on compliance waiver requirements (i.e. T-1, T-2 and T-3).

Table 1.1. Compliance Waiver Requirements from AFI 33-360.

Tier	Consequence of Non-Compliance	Waiver Authority
T-0	Determined by respective non-AF authority (e.g. Congress, White House, OSD, JS)	Requirement external to AF; Requests for waivers must be processed through command channels to publication OPR for consideration.
T-1	Non-compliance puts Airmen, commanders, or the USAF strongly at risk of mission or program failure, death, injury, legal jeopardy or unacceptable fraud, waste or abuse.	MAJCOM/CC (delegable no lower than the MAJCOM Director), with the concurrence of the publication's Approving Official.
T-2	Non-compliance may degrade mission or program effectiveness or efficiency and has potential to create moderate risk of mission or program failure, injury, legal jeopardy or unacceptable fraud, waste or abuse.	MAJCOM/CC (delegable no lower than MAJCOM Director)

T-3	Non-compliance may limit mission or program effectiveness or efficiency and has a relatively remote potential to create risk of mission or program failure, injury, legal jeopardy or unacceptable fraud, waste or abuse.	Wing/DRU/FOA/CC (delegable no lower than Group/CC or equivalent)
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1.4. Responsibilities.

1.4.1. The unit Senior Intelligence Officer (SIO) will:

1.4.1.1. Provide training support to the 137th SWS process IAW AFI 14-2, *Space Unit Intelligence Training*, Volume 1. (T-3)

1.4.1.2. Develop and execute programs to meet minimum training requirements for intelligence personnel. (T-2)

1.4.1.3. Appoint in writing an intelligence qualification training program manager. Designate the qualifications to which intelligence position will train. (T-1)

1.4.1.4. Upon request, provide NGB/A2 and operational commander(s), as appropriate, with a list of Combat Mission Ready (CMR) and BMC manning positions. (T-1)

1.4.1.5. Identify and report to NGB/A2 (courtesy copy AFSPC/A2 as applicable) training shortfalls having a negative impact on operations. See **Attachment 2** for an example report. (T-3)

1.4.1.6. Ensure that when assigned, the AF Intelligence Weapons Instructor Course or Intelligence Sensor and Weapons Instructors Course graduate will provide input in the training program. For the most updated information, visit the Air Combat Command (ACC)/A3TW Weapons and Tactics page at <https://cs.eis.af.mil/weptac/Wpnschool/default.aspx>. (T-3)

1.5. Intelligence Qualification Training Program Manager will:

1.5.1. Develop written guidance detailing how the intelligence personnel training program will be conducted. Training must balance the need for realism against the expected threat, unit mission and capabilities. (T-2)

1.5.2. Provide intelligence training support to the 137th SWS process IAW AFI 14-2, *Space Unit Intelligence Training*, Volume 1. (T-1)

1.5.3. Oversee and document orientation training, Initial Qualification Training (IQT), Mission Qualification Training (MQT), Continuation Training (CT), Specialized Training (ST) and other required training by unit personnel. (T-2)

1.5.4. Provide a written evaluation of the intelligence personnel training program to the SIO at the end of each training cycle. Submit reports as required by local procedures for tracking overall training status of intelligence personnel. (T-3)

1.5.5. Monitor intelligence personnel currencies and requirements and notify/coordinate with NGB/A2 and AFSPC/A2 on all training issues, to include delays, BMC/CMR status, and selection for upgrade training. (T-3)

1.5.6. Provide individuals a digital copy of their qualification training and evaluation records when they change station or assignment to assist the gaining unit in assessing current qualifications and training requirements. (T-3)

1.5.7. Ensure records are managed per the online documentation system of record, Patriot Excalibur (PEX) IAW checklists available at <https://cs1.eis.af.mil/sites/pex>. (T-2)

1.6. Individual Intelligence personnel. Individual intelligence personnel will:

1.6.1. Complete training and currency requirements within the guidelines of this instruction. All intelligence personnel must maintain at least Basic Mission Capable (BMC) qualification. (T-1)

1.6.2. Notify supervisor of any issues that affect training events, qualification status, or the ability to participate in training. (T-3)

1.6.3. When changing station or assignment, hand-carry or electronically send qualification training and evaluation records to assist the gaining unit in assessing qualifications and training needs. (T-3)

1.7. Internal Intelligence Training. Internal intelligence training is a venue intended to achieve and maintain currency for all assigned intelligence personnel. The SIO is responsible for the internal intelligence training program. Supervisors and assigned intelligence personnel are responsible for maintaining currency and career/professional development. Training received during internal training may be achieved via skills practice/demonstration during exercises or special events, group academics or as otherwise directed by the SIO. All recurring training requirements (i.e., tasks) will be completed annually. The SIO will maintain an annual plan of instruction (APOI) outlining all training recurring tasks that includes the cycle of training (i.e. monthly, quarterly, bi-annually). (T-2)

1.8. Qualification Status. Intelligence personnel must be CMR to support real world deployment operations. (T-1)

1.8.1. Combat Mission Ready (CMR). CMR is the status of intelligence personnel who have satisfactorily completed MQT and maintain qualification and currency in the mission qualification tasks and knowledge outlined in this instruction.

1.8.2. To attain CMR, an individual must complete a written qualification exam based on the specific 137th SWS/Intelligence Flight Master Question File (MQF), complete a qualification evaluation conducted IAW ANGI 14-2 MW, Vol 2, present a unit specific mission brief to the squadron commander and/or director of operations that includes current intelligence related to the employment of MW/space capabilities. Annual training requirements will begin the first month following the date of CMR certification (i.e., if certified in June, APOI requirements begin July). (T-2)

1.8.3. CMR personnel must maintain currencies by completing designated tasks within the prescribed timelines. See **Chapter 2, Table 2.3** for currency requirements. (T-2)

1.9. Regression. The SIO may recommend to the commander that an intelligence crewmember regress to non-CMR (NCOMR) status for not meeting currency requirements throughout the training cycle. The commander is the authority for determining CMR/NCOMR status of assigned intelligence personnel. NCOMR status will be documented via a memorandum for record that will be maintained in the personnel training files. The SIO will develop a CMR get-well plan to return the member to CMR status as soon as practical. Return to CMR status will be documented and maintained by the SIO in the personnel training records. While NCOMR, the individual may support real-world operations only through the performance of those individual tasks in which they are current and certified. As with Basic Qualification (BQ) status, NCOMR status is temporary and will not be used to circumvent CMR requirements. (T-2)

1.10. Documentation. The trainee's performance and progress through each MQT and ST training item will be documented on the AF Form 4381, *Intelligence Gradesheet*. Attachment 3 of AFI 14-202, Vol 1 contains a detailed explanation for filling out the AF Form 4381.

1.10.1. AF Form 4381 may be used for documentation of IQT in-line with the training command's processes. In-house IQT may be documented using the 4381 with task elements derived from the formal course syllabus.

1.10.2. Completion of qualification training may be annotated on the individual's AF Form 623, Individual Training Record Folder; documentation of each individual task is not required. (T-2)

1.11. Debrief Program. The SIO will ensure debriefs are conducted after performance training periods. Instructors will be responsible for the training debriefs, IAW ANGI 14-2 MW Vol 3. According to AFSPCI 10-415, *Weapons and Tactics Program* Attachment 3; debriefing is simply reconstructing and evaluating an event to determine how to replicate success and avoid repeat mistakes. A successful debrief depends on the ability to critically analyze events and the willingness to admit mistakes. The debrief process should encompass a review of events, identification of problems, determination of root causes and development of lessons learned. (T-3)

1.12. Trending Program Support. The unit trending program minimizes the impact of recurring training weaknesses on unit mission accomplishment by analyzing and correcting operational deficiencies noted during training, evaluation, and operations. A two-step process, the program requires units to first compile and then analyze data to determine the root cause of a deficiency. The SIO will collect and analyze real world operations deficiency data and provide trending reports to the unit trending program Point of Contact (POC), 137 SWS/OSV, IAW AFSPCGM 13-1_233SG_SUP. (T-3)

Chapter 2

QUALIFICATION TRAINING

2.1. Qualification Training. Qualification training programs are designed to 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.

2.2. Initial Qualification Training.

2.2.1. General. See AFI 14-2 *Space Unit Intelligence Training*, Volume 1, for details about IQT for space intelligence personnel, including details about the Space and Missile Intelligence Formal Training Unit (SMIFTU) course and local IQT requirements.

2.2.1.1. When possible, all personnel will be enrolled into SMIFTU within 90 days of arriving on station unless mission requirements dictate otherwise. As soon as an individual either begins Air Force Specialty Code (AFSC) training and is assigned to the 137th Space Warning Squadron (SWS)/Intelligence flight or arrives on station, register for SMIFTU, to ensure timely training.

2.2.1.2. If SMIFTU is not available and personnel have appropriate clearances, 137th SWS/SIO will coordinate with AFSPC for the latest SMIFTU curriculum and trainers will immediately start IQT for affected intelligence trainees. Upon completion of IQT, trainers will administer a knowledge test similar to those administered at SMIFTU.

2.3. Mission Qualification Training. MQT provides intelligence personnel the training needed to perform in their assigned duty positions supporting 137th SWS missions/operations. Guidance in this chapter is provided to assist SIOs in developing and executing their MQT program for all individuals. MQT execution will take into account the assigned duty position, current qualifications, prior experience and training, currency, documented performance and/or formal training achieved by each individual. MQT can be accomplished through one-on-one instruction from a qualified trainer, external courses, or other training opportunities that satisfy the requirements for MQT. Applicable portions of MQT will be used to create a requalification program for personnel who are non-CMR or BMC status.

2.3.1. MQT begins within 90 days of the individuals' first duty day at the gaining unit or immediately after completion of IQT. MQT will be completed within 120 days with seasoning days. If no mission essential skills training (MEST) days are available, MQT will be completed within 365 calendar days, or the execution of one year's cycle of Inactive Duty for Training and Annual Training, whichever is earlier.

2.3.2. Personnel are qualified CMR upon successful completion of MQT, a successful Initial Mission Qualification Evaluation (INIT MSN) IAW AFI 14-202, Volume 2; ANGI 14-2 Missile Warning, Volume 2; and SIO endorsement. Refer to ANGI 14-2 Missile Warning, Volume 2 for a more detailed explanation of evaluations.

2.3.3. General. This section outlines MQT for intelligence personnel supporting 137th SWS mission.

Table 2.1. Minimum Intel Team MQT Requirements.

	1	MQT Requirements	
Knowledge	1.1	Understand 137 th SWS mission and capabilities and intelligence role in the 137 th SWS mission	
	1.2	Understand 137 th SWS command and control structure (peacetime and wartime)	
	1.3	Identify mission vehicle/communication vehicle	
	1.4	Identify Threat Condition (THREATCON), Force Protection (FPCON), and Defensive Control (DEFCON) general knowledge/procedures	
	1.5	Understand operational considerations: Peacetime, crisis/wartime, tasking authority	
	1.6	Identify other US space assets and capabilities required to support/coordinate with 137 th SWS mission	
	1.7	Adversary Ballistic Missile Weapon Systems: General knowledge	
	Training	1.8	Identify 137 th SWS Mission Architecture and Characteristics
		1.9	Identify Missile Characteristics (including likely launch profiles), and launch sites and C2 for countries of interest emphasizing the ability to detect the launch.
	The trainer will provide instruction on:	1.10	Identify Geographic Areas of Concern
		1.11	Understand adversary strategic and nuclear forces, doctrine and characteristics
		1.12	Understand adversary space systems: characteristics and capabilities
		1.13	Understand adversary Counterspace capabilities
		1.14	Understand adversary space tactics, techniques and procedures
		1.15	Know adversary (RED) space force order of battle
		1.16	Know other actors (GREY) space force order of battle
		1.17	Understand most likely and most dangerous Courses of Action (COAs) for RED space forces during contingency operations
1.18		Understand/know SATRAN processing and dissemination	
Task Training	1.19	Perform Requests for Information (RFI) actions	
	1.20	Prepare and present Live Operations briefing	

Performance Measure The trainee will:	1.21	Prepare and present Deployment briefing
	1.22	Prepare and present Threat of the Month
	1.23	Prepare and present Current Intelligence Brief
	1.24	Ascertain SATRAN overhead collection requirements for MGS operations.
	1.25	Download appropriate SATRAN reports for MGS operations requirements.

2.3.4. To maintain qualification and proficiency standards, MR/CMR personnel must satisfy the following:

2.3.4.1. Initial and recurring training requirements IAW ANGI 14-2 MW, Volume 1.

2.3.4.2. Initial and periodic evaluation requirements IAW ANGI 14-2 MW, Volume 2.

2.3.4.2.1. Complete a formal CMR certification briefing prior to being certified CMR. CMR certification briefings will be given to the 137SWS/CC, delegated no lower than the 137SWS/DO. Personnel that are not assigned to the 137SWS but are required to be CMR will present the certification briefing to the next senior commander. CMR certification must be documented IAW AFSPCGM 13-1_233SG SUP Chapter 6. Certification briefings will be conducted for initial, upgrade, and requalification evaluations. Briefing content is at 137SWS/CC discretion.

2.4. Specialized Training (ST). This section outlines specialized qualifications necessary to achieve specific unit mission requirements. Not all intelligence personnel are required to complete ST. This ST program is intended to provide SIOs the minimum qualifications and may be tailored 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. The trainer will ensure ST is recorded on AF Form 4381 and IAW AF/A2 guidance and approved processes regarding online documentation.

2.4.1. Intelligence Evaluator (IE) Specialized Training.

2.4.1.1. Personnel are qualified as Intelligence Evaluators upon successful completion of required tasks, an Initial Intelligence Trainer evaluation, SIO endorsement IAW AFI 14-202, Volume 2 and signed by the commander and/or director of operations in writing.

2.4.1.2. Intelligence personnel that are selected will attain IE-level ST qualification after completing the training listed in **Table 2.2**. For task training events, trainers will provide hands-on-training and demonstration for each performance measure. Trainees will demonstrate proficiency in performing the task unassisted.

Table 2.2. Intelligence Evaluator (IE) ST Requirements.

	1	ST Requirements
Task Training Performance Measure The trainee will:..	1.1	Given an assigned MQT task, prepare instruction, present the information, debrief the instruction and document appropriately

2.4.2. **External Intelligence Training (EIT).** Only qualified EIT trainers may conduct unsupervised intelligence training of non-intelligence AFSC personnel. (T-1)

2.4.2.1. Prerequisites. Any intelligence personnel selected for EIT trainer must:

2.4.2.1.1. Be CMR or BMC qualified.

2.4.2.1.2. Be designated by the SIO

2.4.2.2. Complete the requirements for EIT Concepts and Methods Profile below.

2.4.2.2.1. EIT Concepts and Methods. Objective: Effectively apply appropriate instructional concepts and methods to fulfill EIT requirements. Specific tasks: Demonstrate ability to modify training to the specific audience. Demonstrate the methods of delivering training. Demonstrate one-on-one, small group and large audience training techniques. Define methods to verify trainee achievement.

2.4.2.3. EIT Training Currency. If an EIT trainer loses currency in a particular area, the individual may not perform training unsupervised until currency is regained.

2.5. Continuation Training (CT).

2.5.1. **General.** 137th SWS/Intelligence Flight personnel CT requirements are defined in **Table 2.3**. CT refresher academic areas may be presented during periodic team continuation training or individually as appropriate.

2.5.2. **Ready Intelligence Program.** Follow guidance in AFI 14-2 *Space Unit Intelligence Training*, Volume 1 and **Table 2.3** below to ensure intelligence personnel maintain currency. Personnel must perform Ready Intelligence Program (RIP) task items individually. RIP requirements do not require certification and may be accomplished during normal duties, exercises, or other venues that provide the opportunity to complete the task. Personnel are responsible for documenting CT knowledge requirements and RIP task completion. **(Annually is defined as every 12 months).**

Table 2.3. Annual Plan of Instruction (APOI) - Ready Intelligence Task Requirements.

Subject	Analyst Frequency to Maintain BMC/CMR Status
Identify other US space assets and capabilities required to support/coordinate with 137 th SWS mission	Annually
Identify 137 th SWS Mission Architecture and Characteristics	Annually
Adversary Ballistic Missile Weapon Systems: General knowledge	Annually
Understand adversary strategic and nuclear forces, doctrine and characteristic	Annually
Understand adversary space systems: characteristics and capabilities	Annually
Understand adversary Counterspace capabilities	Annually
Perform Requests for Information (RFI) actions	Annually
Prepare and present Live Operations briefing	Annually
Prepare and present Deployment briefing	Annually
Prepare and present Threat of the Month	Annually
Prepare and present current intel brief	Annually
Ascertain SATRAN overhead collection requirements for MGS operations	Annually
Download appropriate SATRAN reports for MGS operations requirements	Annually

STANLEY E. CLARKE III, Lt Gen, USAF
 Director, Air National Guard

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 14-202, Volume 1, Intelligence Training

AFI 14-202, Volume 2, Intelligence Standardization/Evaluation Program

AFI 14-202, Volume 3, General Intelligence Rules

AFI 33-360, Publications and Forms Management, 25 September 2013

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

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

AFSPCGM13-1 233SG Supp (Draft), 233d Space Group (233SG) Supplement to AFSPC Guidance Memorandum (GM) 13-1, Space Operations Crew Force Management, Training, Standardization and Evaluation

ANGI 14-2 MW, Volume 2, Missile Warning Unit Intelligence Evaluation Criteria

ANGI 14-2 MW, Volume 3, Missile Warning Unit Intelligence Procedures

Adopted Forms

AF Form 847, Recommendation for Change of Publication, 22 September 2009

AF Form 4349, Record of Intelligence Evaluation, 10 March 2008

AF Form 4350, Certificate of Intelligence Qualification, 10 March 2008

AF Form 4381, Intelligence Gradesheet, 10 March 2008

Abbreviations and Acronyms

AFI—Air Force Instruction

ACC—Air Combat Command

AFMAN—Air Force Manual

AFPD—Air Force Policy Directive

AFSC—Air Force Specialty Code

AFSPC—Air Force Space Command

ANG—Air National Guard

APOI—Annual Plan of Instruction

BMC—Basic Mission Capable

BQ—Basic Qualification

C2—Command and Control

CMR—Combat Mission Ready

CT—Continuation Training
IE—Intelligence Evaluator
IQT—Initial Qualification Training
IT2—Intelligence Training Transformation
NGB—National Guard Bureau
OPR—Office of Primary Responsibility
MEST—Mission Essential Skills Training
MQF—Master Question File
MQT—Mission Qualification Training
MW—Missile Warning
NGB—National Guard Bureau
RDS—Records Disposition Schedule
RFI—Request for Information
RIP—Ready Intelligence Program
SATRAN—Satellite Reconnaissance Advanced Notice
SIO—Senior Intelligence Officer
SMIFTU—Space and Missile Intelligence Formal Training Unit
SORN—Systems of Records Notice
ST—Specialized Training
SWS—Space Warning Squadron
TTP—Tactics, Techniques and Procedures

Attachment 2

TRAINING SHORTFALL REPORT

MEMORANDUM FOR NGB/A2

CC: AFSPC/A2

FROM: 137th SWS/Intelligence Flight

SUBJECT: 137th SWS/Intelligence Flight Intelligence Training Shortfalls

1. TRAINING SHORTFALLS. (Only report those shortfalls that the SIO feels will have a major impact on training. Generally report only those events that affect 15% or greater of the intelligence force.)

EVENT	PERCENT OF CMR INTELLIGENCE PERSONNEL AFFECTED SPECIFIC REASON FOR SHORTFALL CORRECTIVE ACTION (IF ANY) LIMFACS
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2. SIO's COMMENTS (Open forum for comments to improve the training reporting system).

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