COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

This volume directs the aeromedical evacuation (AE) training program for flight nurses (FN) and aeromedical evacuation technicians (AET) and supersedes all other AFIs with respect to training requirements for Aeromedical Evacuation Crewmembers (AECMs). It implements Air Force Policy Directives (AFPD) 10-2, *Readiness*, AFPD 11-2, *Aircrew Operations*, and AFPD 11-4, *Aviation Service,* and Air Force Instruction (AFI) 11-200, *Aircrew Training, Standardization/Evaluation, and General Operations Structure;* and interfaces with: AFI 11-202, Volume 1, *Aircrew Training;* AFI 11-202, Volume 2, *Aircrew Standardization/Evaluation Program;* AFI 11-401, *Aviation Management;* AFI 10-2912, *AE Readiness Program;* AFI 41-307, *Aeromedical Evacuation Patient Considerations and Standards of Care* and AFI 10-2909, *Aeromedical Evacuation Equipment Standards*. In accordance with (IAW) AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities,* Air Mobility Command (AMC) is designated lead command for AE. As lead command, AMC provides evacuation of sick/injured patients, in peacetime and contingency operations, under the supervision of qualified medical

crewmembers. This publication applies to all Active Component (AC), Air Force Reserve Command (AFRC) and Air National Guard (ANG) AE units. ANG is considered a MAJCOM for the purposes of this instruction. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force. AFPD 10-29, Worldwide AE Operations states that the Air Force Deputy Chief of Staff, Operations, Plans, and Requirements serves as the lead for all operational aspects of AE and is responsible for establishing and implementing operational training and evaluation guidance for AE as outlined in 10 and 11 series publications. AMC/A3 is responsible for establishing procedures and guidance for non-clinical aspects of AE and ensures appropriate forces and equipment are organized, trained, and equipped to perform the AE mission to meet global AE requirements. AMC/A3 will ensure AE policy and processes are standardized in all commands. Refer recommended changes and questions about this publication to the OPR using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the field through the appropriate functional's chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AF 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/afrims/afrims/afrims/rims.cfm**. The Privacy Act of 1974 affects this instruction. Privacy Act System Number F011 AF XO A, Aviation Resource Management System (ARMS) covers required information located at **https://www.my.af.mil/afrims/afrims/afrims/rims.cfm**. The authority for maintenance of the system is Title 37 U.S.C. Section 301a, Incentive Pay, Public Laws 92-204, Section 715, Appropriations Act for 1973, Public Law 93-570, Appropriations Act for 1974, Public Law 93-294, Aviation Career Incentive Act of 1974, 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, November 18, 2008."

(452AMW) This supplement implements and extends the guidance of Air Force Instruction (AFI) 11-2AEV1, 17 April 2013. This supplement applies to all aeromedical evacuation members assigned or attached to the 452d Aeromedical Evacuation Squadron (AES).   Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) 452CS/SCOKP. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) Air Force Instruction (AFI) 33-360, *Publications and Forms Management*. The use of the name or mark of any specific manufacturer, commercial product, commodity or service in this publication does not imply endorsement by the Air Force.

SUMMARY OF CHANGES

This document is substantially revised and must be completely reviewed. Major changes include: **Chapter 1:** Modified local supplement requirement (1.3.2.2.). Established Training command annual and biennial conference requirements (1.4.2.). Defined post graduate questionnaire requirements (1.4.2.4.). Deleted quarterly Flight Instructor (FI)/Flight Examiner (FE) meeting (1.18.) Added monthly squadron Training Review Panel (1.4.6.). Defined simulator certification (SIMCERT) for aircrew training devices (ATDs) (1.4.8.). Clarified formal course waiver authority (1.5.3.). **Chapter 2:** Deleted Table 2.2, and directed initial flying training requirements IAW the formal school syllabus. Added G500 as course prerequisite for flight nurses and clarified course attendance requirements (2.2.1.). Added SS19, Evasion

Conduct After Capture and removed LL04 (Table 2.1.). Revised M223 to reflect crew position responsibilities.   Revised M225 Aircraft Configuration into two separate training events. Created Requalification Flight Training requirements (Table 2.3.) **Chapter 3:** Added G955, LL04, and SS01 to Mission Qualification Training (MQT) (Table 3.1.). Clarified C-21 M225 Aircraft configuration training (3.6.5.). **Chapter 4**: Created FN and AET specific ground and flight training tables (Table 4.1., 4.2., 4.4., and 4.5.) Significant changes to all Chapter 4 tables including: G500, G955, G956, M331, M332, M333, M341, M342, M343, M344, M350, M351, M352, M353, and M920. **Chapter 5:** Mandates AE Flight Instructor syllabus for instructor qualifications (5.3). **Chapter 7:** Changed description format (entire chapter). Revised or created descriptions for G500, G939, G950, G955, G956, M221, M223, M225, M331-353, M920, and SS19. **Attachment 2:** Revised format (entire attachment). Clarified review process (A2.3.7.).

(452AMW) This document has been partially revised. It standardizes format, paragraphs and information contained within AFI 11-2AEV1. Minor nomenclature changes have been added with no material change in supplementation; updates to glossary, abbreviations and acronyms in **Attachment 1**.

Chapter 1

GENERAL

1.1. Training Objective. This AFI prescribes basic policy and guidance for training AECMs in United States Air Force military aircraft according to AFI 11-202v1, *Aircrew Training*.

1.1.1. The overall objective of the aircrew training program is to develop and maintain a high state of mission readiness for immediate and effective employment across the range of military operations in any environment.

1.1.2. The secondary objective is to standardize AECM training requirements into a single document to meet requirements for a basic document, as prescribed in AFI 11-200, *Aircrew Training, Standardization/Evaluation, and General Operations Structure*.

1.1.3. If a conflict is identified for a training requirement, notify the OPR of the conflict and ask for clarification. Pending clarification, comply with the publication with the most current date. (See paragraph **1.3.1**).

1.2. Key Words Explained.

1.2.1. "Will" and "Shall" indicate a mandatory requirement.

1.2.2. "Should" is normally used to indicate a preferred, but not mandatory, method of accomplishment.

1.2.3. "May" indicates an acceptable or suggested means of accomplishment.

1.2.4. "NOTE" indicates operating procedures, techniques, etc., which are considered essential to emphasize.

1.3. Administration.

1.3.1. Recommendation for change. Submit suggested improvements to this instruction on AF Form 847, *Recommendation for Change of Publication*, through MAJCOM channels to HQ AMC/A3T according to AFI 11-215, *Flight Manuals Program (FMP)*. Send proposals for amending existing course prerequisites or recommendations to change or delete obsolete courseware through the appropriate MAJCOM training staff to the OPR. The OPR address is HQ AMC/A3T, 402 Scott Drive, Unit 3A1, Scott AFB, IL 62225-5302.

1.3.2. Supplements. This AFI is a basic directive. Each MAJCOM or operations theater may set training requirements more, but not less, restrictive than specified in this instruction when the statement "or as specified in MAJCOM supplement" is indicated as applicable to that item or event. MAJCOM supplements must be coordinated/approved by HQ AMC/A3T and HQ USAF/A3O-AI IAW AFI 11-200.

1.3.2.1. Local Training Guidance. Units may supplement this instruction to clarify policies, procedures, or unique mission requirements and will submit a copy of the supplement to MAJCOM/A3T after approval by the Operations Group (OG)/CC. Air National Guard (ANG) is considered a MAJCOM for purposes of this instruction IAW AFI 11-202v1. Comply with AFI 33-360, *Publications and Forms Management*, guidance regarding publication supplements and AFI 11-200 for supplement

coordination. IAW AFI 11-200, supplements will not be implemented until approved by the lead AFI OPR.

1.4. Responsibilities. AFI 11-202v1 outlines responsibilities for aircrew training**.**

1.4.1. Lead Command. HQ AMC is designated lead command for AE according to AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities.* Lead command is responsible for establishing and standardizing aircrew flight training requirements in coordination with user commands.

1.4.1.1. HQ AMC/A3 delegates HQ AMC/A3T the authority to manage all aircrew training course requirements and training tasks. AMC/A3T in coordination with user commands, approve continuation training requirements or adjustments, and short-notice specialized in-unit upgrade. AMC/A3T is OPR for this AFI.

1.4.1.2. HQ AMC/SG maintains oversight of all medical and clinical training to ensure clinical operations and aircrew operations are fully integrated.

1.4.1.3. Courses. MAJCOM/A3T, in conjunction with training and user commands, develops and/or approves continuation training and in-unit upgrade courses.

1.4.1.4. Realistic Training Review Board (RTRB). HQ AMC/A3T will host a RTRB biennially, or more frequently, as required. The RTRB reviews all training programs for currency, applicability, compliance, and effectiveness. Attendees should include training representatives from the AE community including lead and user command A3T, A3V, A3O, SG, USAF School of Aerospace Medicine (USAFSAM), and AE Formal Training Unit (FTU).

1.4.2. Training Command. The training command(s) is the command tasked with providing formal training and will accomplish the following IAW AFI 11-202v1 (as applicable):

1.4.2.1. Host annual Aeromedical Evacuation Flying Training conference, to include but not limited to, quota allocation, formal school course and syllabi approval, and amending existing courses. **NOTE**: AE Flying Training conferences will be held until AE training is incorporated into the AF/A3O-AI annual Programmed Flying Training conference.

1.4.2.2. Host Formal Course reviews biennially or more frequently, as required, to review formal training programs and syllabi for currency, applicability, compliance, and effectiveness.

1.4.2.3. Progress Review (PR). See AFI 11-202v1 and AFI 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Aviation Badges*. Training Command will notify the student's gaining unit of PR action delaying the students scheduled graduation date. If the PR recommends disqualification action, the Training Command will notify the student's gaining MAJCOM.

1.4.2.4. Post Graduate Questionnaires. Due to the structure of the AECM training pipeline, multiple post graduate questionnaires will be accomplished to ensure the effectiveness of the training program.

1.4.2.4.1. USAFSAM Department of Academics Affairs is responsible for distributing FN/AET course post graduate questionnaires. FN/AET course graduates

will complete post graduate questionnaires as directed within six months of return from the FN/AET course.

1.4.2.4.2. AE FTU is responsible for distributing AE FTU post graduate questionnaires. FTU course graduates will complete post graduate questionnaires as directed within six months of return from the FTU.

1.4.3. User Commands. User commands will evaluate training resources (aircraft, ATDs, and aircrew) necessary to accomplish training requirements and identify known shortfalls to MAJCOM/A3T for resolution. This evaluation should be accomplished during the Mobility Air Forces (MAF) RTRB as a minimum.

1.4.4. Wing Commander. WG/CC will ensure unit/local level agencies and facilities support aircrew ground training programs. Host and/or co-located units will develop local agreements to consolidate aircrew training support base-wide.

1.4.5. Operations Groups.

1.4.5.1. OG/CC (or equivalent) will convene a Training Review Panel (TRP) to be chaired by the OG/CC or designated representative. Panel members should include representatives from group training, squadron training, tactics, operations, safety and other areas as determined by the commander, i.e. Aircrew Training System (ATS) contractors, Host Aviation Resource Management (HARM) and Squadron Aviation Resource Management (SARM).

1.4.5.1.1. TRP Requirements. Convene the TRP once per semi-annual calendar period and maintain minutes for a period of two years (commanders may increase this frequency as required). Squadrons and detachments not collocated with their OG may conduct their own panel or provide representation to their OG TRP. Panel minutes from non-collocated squadron and detachment TRPs will be forwarded to their OG training office for inclusion in their OG TRP.

1.4.5.1.2. TRP Format. The TRP should review staff and crewmember management actions necessary to complete squadron flight and ground training programs. Suggested TRP topics include, but are not limited to: current and forecast Flight Training Levels, (FTL), upgrade and Continuation Training (CT) status, Semi-annual requirement completion rates, crew position gains/losses, Aircraft Commander (AC), FI and FE upgrades. Units should also review all unit defined training "X" events for relevancy.

1.4.5.2. OG/CC may develop additional training requirements and/or programs as necessary to meet unit mission requirements. Units may include such requirements in local training guidance.

1.4.5.3. OG/CC is responsible for establishing and maintaining academic training programs including non-ATS courses (may be delegated to squadron level). The OG (or squadron) OPR will:

1.4.5.3.1. Appoint a primary and alternate instructor for each non-ATS course.

1.4.5.3.2. Publish a ground training schedule (ANG/AFRC, as required) to include date, time, location, and instructor for each course. Units may include such details in local training guidance.

1.4.5.3.3. Use MAJCOM directed or MAJCOM approved unit-developed training products and/or syllabus for all courses, as applicable.

1.4.5.3.4. Develop a process to monitor the academic training program for course content, currency of materials, instructor availability, and status of training aids. Squadron should recommend to the commander changes to existing courses or additional academic training courses required, based on crewmember feedback.

1.4.6. Squadrons. SQ/CC (or designated representative) will:

1.4.6.1. Select training chiefs from the most highly qualified and experienced instructors. Previous examiner or FTU experience is highly desired. Ensure Sq Training is manned with a minimum of one instructor for each crew position. FIs should be selected based on experience, availability, and time on station (to ensure continuity of operations for each crew position in Training).

1.4.6.2. Before each semi-annual training period, assign FTL to assigned and attached crewmembers (see **Chapter 4**).

1.4.6.3. Ensure formal school post-graduate questionnaires are completed.

1.4.6.4. Convene a Squadron Training Review Panel (STRP) to be chaired by the SQ/CC and/or Sq/Director of Operations (DO). Panel members should include representatives from training, Standards and Evaluations (Stan/Eval), Assistant DOs (ADO), and the chief from each crew position. Sq/CCs should utilize the STRP to focus training objectives, ensure standards are being met, select upgrade candidates, and ensure completion of required continuation training.

1.4.6.4.1. STRP Requirements. Squadrons will convene a STRP monthly (quarterly for AFRC and ANG) and maintain minutes for a period of two years. STRP minutes will be approved by the SQ/CC (or Sq/DO) and may be produced/distributed/stored electronically by the Sq Aircrew Training.

1.4.6.4.2. STRP Format.   The STRP should review staff and crewmember management actions necessary to complete squadron flight and ground training programs. The STRP will review the current status of aircrew training to ensure that current training objectives are being met and that those individuals selected for upgrade training are the best candidates after reviewing their experience, proficiency level, and retainability. To accomplish these goals, suggested STRP topics include but are not limited to: crew position gains/losses, current upgrade/requalification training (i.e. crewmembers in an active training status), recently completed training (including performance during training and current certification status), future training (individuals already approved via STRP), upgrade candidates, current waivers, projected waivers, and continuation training status.

1.4.6.5. Ensure adequate training continuity and supervision of assigned and attached crewmembers. Unit commanders may assign additional requirements based on individual crewmember's experience and proficiency.

1.4.6.6. Review training and evaluation records of newly assigned or attached crewmembers and those completing formal training, to determine the necessary training

required to complete/certify the individual Basic Aircrew Qualification (BAQ) or Mission Ready (MR).

1.4.6.7. Execute unit-level aircrew qualification and Aeromedical Readiness Mission (ARM) programs described in this instruction.

1.4.6.8. Ensure a designated representative monitors the quality of training being accomplished and identifies any training deficiencies. Advise SQ/CC of additional training demands.

1.4.6.9. Execute unit-level aircrew certifications described in this instruction.

1.4.7. Chief Nurse. The CN appoints AE equipment trainers in writing. AE equipment trainers are not required to be FIs; however, they must be a qualified AECM. The CN must ensure trainers complete the trainer requirements listed in AFI 36-2201, *Air Force Training Program, On the Job Training Administration*. Equipment trainer selection process should be defined in local training guidance.

1.4.7.1. **(Added-452AMW)** The Chief Flight Nurse (CN) will appoint equipment trainers on an as-needed basis. Equipment trainer candidates are proposed by the officer in charge of clinical training and approved by the 452 AES Training Flight (AET), the CN and the superintendent of nursing services. Equipment trainers are selected based on their knowledge of the equipment and the ability to train/teach one-on-one or in a group setting. Selected equipment trainers will complete all requirements IAW AFI 36-2201, Ch. 6, Air Force On-The-Job Training Administration. Upon successful completion of training, the CN generates an equipment trainer appointment letter and files copies in the master appointment letter binder and the nursing services continuity binder. The 452 AES/AET will update the Letter of Xs and file a copy with clinical training.

1.4.8. Officer in Charge (OIC)/NonCommissioned Officer in Charge (NCOIC) Aircrew Training will:

1.4.8.1. Manage the AECM training programs and establishes training objectives for ARMs.

1.4.8.2. Appoint a Mission Clinical Coordinator (MCC) program manager and identify this person in writing. Program manager must be a FI with at least six (6) months experience.

1.4.8.3. Maintain a current list of trained MCCs. This responsibility may be delegated to the MCC Program Manager.

1.4.9. Aircrew Training System (ATS) Contractor. The AECM ATS contractor is responsible for academic and aircrew training devices (ATDs) instruction at the formal school or specialized training. This responsibility includes developing, updating and publishing courseware, formal school syllabus, maintain facilities, ATDs, etc. according to the AE ATS contract.

1.4.10. SIMCERT Status. AE ATDs receive periodic SIMCERTs to gain/maintain certification. Each ATD has unique conditions and maintenance actions that require the device to gain/lose/regain certification. These actions have a direct impact on flight events creditable in the ATDs (**Table 2.3, Table 4.4, and Table 4.5**).

1.5. Waiver Authority.

1.5.1. Do not deviate from the policies and requirements in this instruction. Report deviations or exceptions without waiver through channels to MAJCOM/A3T who, in turn, should notify OPR (lead command) for follow-on action if necessary. Units will maintain copies of all deviations and exceptions (to include after-the-fact waivers) for two years. Waiver requests will include supporting rationale, the training start date, a summary of the unit's training plan, and estimated completion date.

1.5.2. Unless specified in this instruction, and IAW AFI 11-202v1, MAJCOM/A3 is the designated waiver authority for individual aircrew requirements. MAJCOM/A3T is the designated waiver authority for specific crewmember training requirements in this instruction not governed by AFI 11-202v1.

1.5.3. When a student is entered into a formal course if available, HQ AMC/A3 designates AMC/A3T as waiver authority for AMC flying training syllabus and formal school prerequisites. HQ AETC/A2/3 designates HQ AETC/A3Z as waiver authority for all initial Survival Escape Resistance and Evasion (SERE) training programs. All requests for a syllabus waiver must include supporting rationale. Forward waiver requests to MAJCOM/A3T with supporting rationale. User command training staff should submit prerequisite waiver requests direct to AMC/A3T or HQ AETC/A3Z. All waivers must be approved before the crewmember departs for formal training. File a copy of all waivers in the trainee's training folder and have them hand-carry a hard copy to the training location.

1.5.3.1. Formal School Course Prerequisite Waiver. For formal school course prerequisite waiver requests see the appropriate course syllabus.

1.5.4. In-unit Training Waiver. MAJCOM/A3T is approval/waiver authority for in-unit training in coordination with HQ AMC/A3TM and AETC/A3Z, if necessary. Before approval, review the appropriate MAJCOM approved in-unit Plan of Instruction (POI) until the release of a standardized syllabus.

1.5.5. Continuation Training Waiver. The OG/CC (or equivalent) is designated waiver authority for training requirements in **Chapter 4** for assigned or attached crewmembers. Waivers for training or currency events missed in consecutive training periods will require MAJCOM/A3T approval.

1.5.6. If required for the squadron's designated mission, accomplish events waived or not accomplished at the formal schools, in-unit before assigning MR status.

1.5.7. Waiver Format. If necessary, submit a written request through OG/CC or equivalent in the format at **Figure 1.1** to the appropriate MAJCOM OPR. Asterisked (*) items are required for processing. Units will submit waiver requests according to **Table 1.1**.

1.5.7.1. For AMC unit waiver requests use on-line waiver request service on AMC/A3T Community of Practice (CoP). Place a copy of MAJCOM approved waiver in the individual's training folder. OG/CC or designated unit agency will maintain a permanent record of approved waiver(s). Retain unit file copies through the appropriate Aircrew Standardization/Evaluation Visit (ASEV) cycle IAW AFI 11-202v2, *Aircrew Standardization/Evaluation Program*.

1.5.7.2. For AFRC unit waiver requests use on-line waiver request service on AFRC/A3T web site. Place a copy of MAJCOM approved waiver in the individual's training folder. OG/CC or designated unit agency will maintain a permanent record of approved waiver(s). Retain unit file copies through the appropriate ASEV cycle IAW AFI 11-202v2.

1.5.7.3. For ANG unit waiver request, ANG units will use the waiver request format in Figure 1.1 of this publication. Send the request to NGB/A3O and place a copy of the approved MAJCOM waiver in the individual's training folder. OG/CC or designated unit agency will maintain a permanent record of approved waiver(s). Retain unit file copies through the appropriate ASEV cycle IAW AFI 11-202v2.

1.5.7.4. Use the waiver request format specified in **Figure 1.1**, if electronic waiver program is   not available (AMC/AFRC). ANG use waiver format in **Figure 1.1** (See **1.5.7.3**) Include training difficulty, unit corrective action to resolve and prevent recurrence, and estimated completion date.

Figure 1.1. Sample Waiver Request Format.

MEMORANDUM FOR (Waiver Authority)
FROM: (Requester)
SUBJECT: Waiver Request – (Individual), (Type of Waiver)

*1. *Name, grade.*

*2. *Flying organization (assigned or attached).*

*3. *Present qualification (include special qualifications/certifications if appropriate).*

*4. *Total flying time; primary aircraft inventory (PAI) time (include instructor or evaluator time, if applicable).*

*5. *Waiver request specifics e.g., cite requirement and requested deviation.*

*6. *Rationale or justification for waiver request.*

7. Previous attendance at any formal instructor course (include course identifier and graduation date).

8. Training start date.

9. If waiver request for time limit, specify mandatory upgrade or qualification date.

10. Date event last accomplished and normal eligibility period.

11. Remarks (include formal school courseware that is required if the waiver request is approved (e.g. local training).

*12. *Unit point-of-contact (include name, rank, telephone number, and functional address symbol, and Email address).*

(Signature of Requester)

(Title)

Table 1.1. Unit Waivers to AFI 11-2AE Volume 1.

If waiver is requested by:	Send waiver request to:	Approval or disapproval will be sent to:	With information copies to:
Active Duty AMC Wing or Group	HQ AMC/A3TM	OG/CC	
USAFE Unit	OG/CC to HQ USAFE/A3T	OG/CC	HQ AMC/A3TM
PACAF Unit	OG/CC to HQ PACAF/A3T	OG/CC	HQ AMC/A3TM
AFRC Unit	OG/CC to HQ AFRC/A3T	AFRC Unit	HQ AMC/A3TM and NAF/A3T

ANG Unit	OG/CC to NGB/A3O	ANG Unit	HQ AMC/A3TM

Table 1.1. NOTES:

1. OG/CC or AFRC/ANG-equivalent may waive MAJCOM-directed ground and flying continuation training requirements in this regulation for individual crewmembers IAW paragraph **4.9.**

2. MAJCOM/A3T, NGB/A3O and HQ AFRC/A3T are waiver authorities, as appropriate,

for the secondary method of training with coordination with AMC/A3TM.

3. For formal training waiver requests, units will submit requests through above MAJCOM

channels. MAJCOMs will in turn submit formal SERE training requests to HQ AETC/A3Z for approval.

1.6. Use of Flying Hours.

1.6.1. Structure unit flying training missions to achieve optimum training. Any by-product airlift opportunity resulting from training must not degrade the intended training in any way and will comply with applicable Department of Defense (DOD) Regulation 4515.13-R, *Air Transportation Eligibility,* AFI 11-401, *Aviation Management,* and AFI 11-202v1.

1.6.1.1. It is essential that all personnel at all levels prevent the misuse of air mobility resources as well as the perception of their misuse.

1.6.2. Training on Operational Missions. Unless specifically prohibited or restricted by weapon system operating procedures or specific theater operations order (OPORD), the OG/CC exercising operational control may approve upgrade, qualification, or recurrency training on operational missions. In order to maximize efficient utilization of training resources, AE units will identify and take maximum advantage of opportunities to conduct appropriate continuation training items which may be conveniently suited to concurrent operational mission segments. Commanders will ensure that the training will not impact mission effectiveness or degrade level of care, and the crewmember receiving training is under the supervision of an instructor of like specialty. Comply with passenger-carrying restrictions found in AFI 11-202v3, *General Flight Rules*.

1.7. In-Unit Training Time Limitations. Crewmembers entered into in-unit training will complete final training events within time limitations listed in **Table 1.2**. Final training events are listed in **A2.1.9**

1.7.1. Crewmembers entered in an in-unit training program will be dedicated to that program on a full-time basis. When conducting in-unit qualification training, the commander will relieve students of duties not directly related to training.

1.7.2. In-unit qualification training will begin no later than 45 days (90 days AFRC/ANG) following successful completion of formal school requirements (FN/AET course and SERE courses) and reporting or attaching to a new duty station or unit. MAJCOM/A3T is the waiver authority for training not started within 45 days (90 days AFRC/ANG) and will be requested <u>before</u> the crewmember exceeds the 45 days (90 days AFRC/ANG) start date.

1.7.2.1. **(Added-452AMW)** In-unit qualification training in the 452 AES will begin on the 1st day of GT-1. The commander will be briefed during the training staff meetings on each student's progress. Crewmembers entering the in-unit training program will be dedicated solely to completing training and achieving qualification status.

1.7.3. Training Time Start Date. In-unit qualification training begins when the first significant training event (a training event directly contributing to qualification, requalification or mission qualification) has begun. This initiates in-unit training time limitations in **Table 1.2**.

1.7.4. SQ/CC may extend training time up to 60-days (120-days for Air Reserve Components) through Memorandum for Record (MFR) documentation in training folder; MAJCOM/A3T approval is not required. Extensions exceeding 60-days (120-days ARC) require MAJCOM/A3T approval and will be requested before the crewmember exceeds upgrade training time limits.

Table 1.2. In-Unit Training Time Limitations.

Training	Limit AD	Limit ANG/AFRC	Notes
Initial Qualification/Mission (QUAL/MSN)	120 days	180 days	
Mission Qualification Training (MQT)	180 days	180 days	
Unit Mission Briefing (G041)	45 days	90 days	
Requalification	90 days	180 days	
Flight Instructor Upgrade	60 days	120 days	
C-21 Qualification (as applicable)	45 days	90 days	1
Table 1.2 NOTES: 1. Required only if applicable to unit mission or deployment.			

1.8. Training Documentation.

1.8.1. Initial qualification, requalification, and certification training will be documented IAW **Attachment 2**.

1.8.2. Units will use the AF IMT 4324, *ARMS Upgrade Worksheet*, to update aircrew qualifications in ARMS.

1.8.3. See **Chapter 7** for specific codes. See **Attachment 2** for additional documentation requirements.

1.8.4. Flight Training Documentation: Units will use an AE Mission Accomplishment Report (AE MAR) to record flight training events found in **Chapter 4**. Local overprints and MAJCOM approved MARs are authorized.

1.8.4.1. AECMs will complete an AE MAR for documentation of credited flight training events. The current AE MAR can be found on the A3TM AE CoP.

1.8.5. Clinical skills training conducted in-flight are documented in the Competency Assessment Folder (CAF) for FNs and the Career Field Education Training Plan (CFETP) for AETs by the AECMs trainer/certifier utilizing the MAR as the source document. **NOTE:** AECMs may obtain applicable Air Force Specialty Code (AFSC) specific Readiness Skills Verification Program (RSVP) skill set credit for completion of flying training events. Refer to RSVP proficiency standards checklist for performance/knowledge requirements.

1.9. Flight Examiner Usage. Use FEs as instructors for any training program to capitalize on their expertise and experience. Units may use FE as instructors for qualification, local upgrade, or corrective-action training. FEs should not evaluate personnel they have primarily trained, recommended for upgrade, or who write their effectiveness/performance reports IAW AFI 11-2AEv2, *Aeromedical Evacuation Aircrew Evaluation Criteria.*

1.10. Flight Instructor Training and Supervision Requirements:

1.10.1. All FIs should be MR (wing/group level and below). Instructors will be qualified in any event that they instruct.

1.10.2. When performing crewmember duties, the following personnel will be under direct supervision of a FI of like specialty.

1.10.2.1. All non-current aircrew members. For non-current crewmembers, direct instructor supervision is required while performing the non-current event. (See paragraph **4.9**).

1.10.2.2. All crewmembers in initial, upgrade, or requalification flying training.

1.10.2.3. All crewmembers designated by the Wing, OG, or Sq/CC.

1.10.3. For unqualified and FTL E crewmembers in a primary crew position a FI should be seated as close as possible to the student during critical phases of flight.

1.10.4. Only USAF instructors or unit certified designated personnel may operate ATDs. Units will establish a selection process and implement an initial and recurring training program to ensure personnel are proficient in ATD operation.

1.11. Distribution. Units will establish distribution requirements of this AFI**.**

1.12. Transfer of Aircrews. Before a crewmember may perform flight duties after transfer from one unit to another, the gaining SQ/CC will review and assess their qualification and currency**.** Transfers will be according to AFI 11-401.

1.12.1. A crewmember qualified as a Universal AECM according to AFI 11-202v2 will be considered qualified throughout the USAF AE Force regardless what model Mission Design Series (MDS) duties are being performed. Qualified MR crewmember transferring between units will accomplish unit assigned MDS specific training and any applicable events in which they have lost currency. (See paragraph 3.5 for additional information)

1.13. Aircrew Training While Duties Not Including Flying (DNIF). Crewmembers whose status is DNIF may log ground training events, if the member's physical condition allows it. Consult the flight surgeon initiating AF Form 1042, *Medical Recommendations for Flying or Special Operational Duty*, if the DNIF status includes ground training limitations IAW AFI 48-123, *Medical Examinations and Standards***.**

1.14. Mission Clinical Coordinator (MCC). A MCC is assigned to each crew during an ARM, Operational Training Mission (OTM), if required to facilitate training, and Static Training Mission (STM). MCCs will be a qualified FI or MCC trained AECM. Unit commanders will ensure all MCCs have completed training IAW standardized ARM Training guide.

1.15. Information Management. MAJCOMs may establish a training website to facilitate information flow with units. See unit training office or MAJCOM supplement (if published.)

1.16. Failure to Progress or Complete Training. If a student fails to progress according to syllabus or training requirements, the command accomplishing the training will conduct a Progress Review (PR). The PR can recommend continuation in training or actions IAW AFI 11-402, e.g. disqualification actions. The formal school will notify the gaining unit of any AFI 11-402 action taken.

1.17. Nonrated Aircrew. All AE positions are non-rated, non-career enlisted aircrew positions identified by an "X" prefix.

1.17.1. Award FNs AFSC X46F3, IAW Air Force Officer Classification Directory.

1.17.2. The X4N enlisted aircrew AFSC is separate and distinct from the AF Career Enlisted Aviator (CEA) program for aircrew classification or skill level upgrade for aircrew qualification.

1.17.3. When AF Form 8, *Certificate of Aircrew Qualification*, is completed for the applicable flight evaluation, then that crewmember is qualified to perform all duties assigned to that crew qualification regardless of skill level.

Chapter 2

INITIAL QUALIFICATION TRAINING

2.1. General Requirements. AFI 11-202v1 defines initial qualification training. This chapter specifies the minimum training requirements for initial qualification, requalification, conversion training, and senior officer courses.

2.1.1. This training provides the fundamental building blocks to the Universal AECM Qualification training program. Newly qualified AECMs will be able to perform in-flight aircrew duties in the three identified AE MDS' (C-17, C-130, and KC-135). AECMs qualified in one AE identified MDS are considered universally qualified in all three identified MDS'.

2.1.2. Additionally, C-21 AECM qualification may be required based on unit mission.

2.2. Initial Qualification Training (IQT) Prerequisites. Complete IQT prerequisites IAW AFI 11-202v1 and Chapter 2 of this instruction. All AE assigned or attached personnel must complete an applicable USAFSAM training course and a formal SERE course (See 2.2.2.). These courses provide a standardized and fundamental understanding of specialized techniques necessary for the safe and efficient transportation of patients by air in peacetime and wartime environments, basic life support principles, procedures and equipment, and survival training.

2.2.1. AET and FN Courses. All FN candidates must complete the current approved Advanced Cardiac Life Support (ACLS) course prior to attending the USAFSAM FN course. AET's that have completed a nursing degree and seek to commission as a FN will attend and complete the USAFSAM FN course prior to beginning initial FN qualification training.

2.2.2. Formal SERE courses. AE personnel will complete appropriate SERE courses prior to obtaining MR status.

2.2.3. USAFSAM will provide AE FTU or gaining unit with documentation indicating completion of G090 – Anti-hijacking and G231 – Initial CRM.

2.2.4. Aircrew qualification. On completion of qualification training, aircrew members will be classified as BAQ. After qualification, aircrew members must comply with MQT and Continuation Training Requirements in **Chapter 3** and **Chapter 4** of this publication.

2.3. Ground Training Requirements. To complete initial qualification ground training, students will accomplish all training events listed in the in-unit or FTU course syllabus in accordance with AFI 11-202v1 and this instruction.

2.3.1. For in-unit qualification training, use MAJCOM approved in-unit plans of instruction.

2.3.2. Instructor to student ratio. For academic ground training requirements there are no restrictions on instructor to student ratios.

2.3.2.1. Any qualified FI may teach general non-crew position specific ground training subjects, (i.e., configuration, aircraft systems, etc.).

2.3.2.2. For crew position training on ATDs, a maximum five to one ratio for each crew position will be used (i.e. Five FN students to One FN instructor in the Medical Crew Director (MCD) or FN crew position).

2.3.3. Equipment Training. Unit certified equipment trainers may teach medical equipment review for in-unit initial qualification students.

2.3.3.1. Trainers will brief FI on student's knowledge and performance.

2.3.3.2. The FI assigned to oversee the student's training will complete all required documentation in the aircrew training folder.

2.3.4. Aircraft Training is considered incomplete until CBT certificate (C-21, if applicable), instructor based training (IBT) checklist, or MFR is completed. If accomplished by IBT, FIs will use the applicable aircraft IBT lesson plan for instruction.

2.3.4.1. Aircraft CBT credit can be awarded under a secondary method via approved hands-on program by MAJCOM/A3T. This training will cover at a minimum the following training objectives: Aircraft emergency signals and announcements, aircraft emergency equipment, egress procedures, aircraft systems, ground operations and aircraft configurations.

2.3.5. Testing. Students will take the open-book, closed-book and Boldface examinations once the FI has documented the recommendation for testing on the AF Form 4023, *Aircrew Training Progress Report*. The student must successfully complete the requisite examinations prior to initial flight evaluation IAW AFI 11-2AEv2.

Table 2.1. Initial Ground Training Requirements.

Code	Event	Crew Position	Notes
	Flight Physical	All	1,2,4
	Physiological Training	All	1,4
G090	Anti-Hijacking	All	4,5
G231	Initial CRM Academics	All	4,5
G500	ACLS	FN	1
G932	AECM C-130 Aircraft Training (CBT)	All	6,7
G934	AECM C-17 Aircraft Training (CBT)	All	6,7
G935	AECM KC-135 Aircraft Training (CBT)	All	6,7
G940	Cardio Pulmonary Resuscitation (CPR)	All	1
G950	Medical Equipment Review (hands on)	All	5
G960	National Registry Emergency Medical Technician (NREMT)	AET	1
LL01	Aircrew Flight Equipment Familiarization Training	All	4,5
LL03	Emergency Egress Training – Non Ejection Seat (Unit Assigned Aircraft)	All	1,3,4
LL06	Aircrew Flight Equipment Training	All	4,5,9

SS01	Local SERE Orientation (LSO)	All	4,5
SS03	Conduct After Capture (CAC)	All	4,8
SS19	Evasion Conduct After Capture (ECAC), S-V88-AL (Initial)	All	4, 8
SS20	Combat Survival Training (CST), Wartime Level C S-V80-A (Initial)	All	4,8
SS32	Water Survival Training (WST) S-V90-A (Initial)	All	4,8
SS34	Medical SERE Training (B3AZYBLMD-000)	All	4,8

TABLE 2.1 NOTES: Event requirements are defined in Chapter 7.

1. Mandatory grounding item; individual will not fly until required training is accomplished.

2. Flight physicals become due 366 days after the previous physical, and expire after the 455th day or as indicated on the AF 1042, whichever occurs first. The required frequency may vary to address waivers and/or individual physical limitations (as determined by the Flight Surgeon) but in no case will exceed 455 days.

3. Qualified AECM FIs and non-instructor boom operators and loadmasters may teach emergency egress training for AECM prior to flight or prior to enplaning of patients, provided that the training is "hands-on," covers all requirements of LL03 IAW AFI 11-301v1, *Aircrew Flight Equipment (AFE) Program,* para 5.3.3. and is documented on an AF Form 1522, *ARMS Additional Training Accomplishment Report*. AE personnel will utilize the Aircrew Egress Training Guides available on the HQ AMC/A3TM CoP. These events are not substitutes for unit assigned MDS Egress training (LL03). **Additional Information:** AE personnel will maintain currency for non-ejection seat, *unit assigned* aircraft and follow established policy for training and certification by a Flight Equipment Officer, appointed rated officer, or qualified instructor aircrew.

4. IAW AFI 11-202v1, refer to reference publications which provide guidance for accomplishment of ancillary training requirements.

5. Will be accomplished prior to first flight. SS01 only required at each base (N/A AE FTU) of assignment.

6. Must be accomplished prior to initial flight evaluation.

7. Aircraft training CBTs may also be accomplished using IBT.

8. SS19, SS20 & SS32 (Events codes for S-V88-Al, S-V80-A, & S-V-86 A, S-V90-A) can be substituted for Medical SERE (SS34). S-V80-A and S-V-88-AL includes initial SS03, Conduct after Capture training. This training is not accomplished in-unit or at the FTU, but should be completed before member arrives at the gaining unit. If the member arrives at the gaining unit without this training, it should be scheduled as soon as practical.

9. LL06 may be accomplished in conjunction with SS02, LL03, or SS05. See Chapter 7.

2.4. Flying Training Requirements. Complete flying training requirements for initial qualification IAW the AE FTU syllabus, AFI 11-202v1 and this instruction. AECMs should receive their flight evaluation on their unit assigned MDS.

2.4.1. Operational Training Mission (OTM), ARM, STM or any combination thereof can be utilized for upgrade or to fulfill flight training requirements. *EXCEPTION:* F900 will not be credited on STMs. **NOTE:** No more than half of the flight training periods (FTP) can be accomplished on STMs.

2.4.1.1. Students will be supervised by FI of like specialty during OTM, ARM, and STM. FIs will have no more than one student in a crew position.

2.4.2. Initial Flight Training Level (FTL) and Training Event Credit.

2.4.2.1. Initial training students will be placed in FTL E until successful completion of the initial qualification flight evaluation. Upon completion of the successful flight evaluation units may assign AECMs to FTL D while obtaining MR Status.

2.4.2.2. Flight events accomplished on a satisfactory Initial QUAL/MSN evaluation may be credited towards the AECMs continuation training requirements and establish subsequent due dates for those events.

2.4.2.3. Logging of flying time. Refer to AFI 11-401.

2.4.2.4. Students awaiting training may fly in the role of simulated patient and log "Other" flight time IAW AFI 11-401.

2.5. Requalification Training (RQT). In-unit RQT will apply until the AE FTU is established and the AFI 11-202v1 specified RQT limits and requirements can be implemented. **EXCEPTION:** Units may request waiver to AE FTU RQT course on a case by case situation approval authority is MAJCOM A3T.

2.5.1. An aircrew member is unqualified upon expiration of QUAL evaluation, flight evaluation graded Q-3, or loss of mission currency (F900) exceeding 6 months.

2.5.2. RQT requires SQ/CC directed training and flight evaluation. SQ/CC directed training will be documented in the AF Form 4022.

2.5.3. Requalification training for universal qualification crewmembers. Students will complete delinquent events listed in Table 2.1, SQ/CC directed training, and **Table 2.3**. In-unit RQT training can be accomplished following the standardized training syllabus (use MAJCOM approved in-unit plan of instruction until release of standardized syllabus). FTL will be assigned at the discretion of the Sq/CC.

2.5.4. Requalification training for non-universal qualification crewmembers. Students will complete initial qualification training requirements IAW **Chapter 2** of this instruction. In-unit RQT training can be accomplished following the standardized training syllabus (use MAJCOM approved in-unit plan of instruction until release of standardized syllabus). Crewmembers will be assigned FLT E IAW Chapter 2.

2.5.5. Basic and FI requalification training may be conducted simultaneously for previous universal qualification crewmembers provided training requirements are completed for both training programs.

Table 2.2. Requalification Flying Training Requirements.

Code	Event	Crew Position

M221	Oxygen Systems	All
M222	Electrical Systems	All
M223	Communication Systems	All
M225	Aircraft Litter Configuration	All
M311	Rapid Decompression	All
M312	Fuselage Fire/Smoke & Fume Elimination	All
M313	Emergency Landing/Ditching	All
M314	Door Warning Light Illuminated In-Flight	All
M331	Cardiac/Respiratory	All
M353	Acceptance/Transfer of Medical Care	FN
Table 2.3 NOTE: Event descriptions are defined in Chapter 7.		

2.6. Senior Officer Qualification and Performance Requirements. AE commanders who are FNs and not filling a mobility position have the option to maintain MR status but must maintain BAQ requirements IAW AFI 11-202 Volume 1

Chapter 3

MISSION QUALIFICATION TRAINING (MQT)

3.1. Description. This chapter establishes minimum criteria and training requirements for MQT. All newly assigned crewmembers will complete in-unit mission qualification training prior to obtaining MR status.

3.2. Time Periods for Mission Qualification Training. A crewmember will be MR after completion of all ground and flying training requirements and review and certification by the SQ/CC IAW AFI 11-202v2, MAJCOM Supplement. A formal Review and Certification (R&C) Board is not required. Refer to **Table 1.2**

3.3. Ground Training Requirements. All crewmembers will complete all delinquent syllabus training events, SQ/CC directed training, and Table 3.1 prior to obtaining MR status. MQT may be accomplished concurrently with initial qualification training for in-unit crewmember qualification.

3.3.1. Ground Training events accomplished during initial qualification will use the course completion date (successful final evaluation date) to establish due dates for subsequent currency and requirements. Completion of SERE Training will establish due dates (based on date first completing course) for recurring SS02, SS03 and SS05.

Table 3.1. Mission Qualification Training Requirements.

Code	Event	Notes
C040	Mobility Records Review	3
G041	Unit Mission Brief	3
G070	Aircrew Intelligence Training	1
G100	Law of Armed Conflict (LOAC)	1
G120	Isolated Personnel Report (ISOPREP) (review)	1,2
G937	AECM C-21 Aircraft Training (CBT)	1,8
G955	Health Information Portability and Accountability Act (HIPAA)	1,7
LL01	Aircrew Flight Equipment Familiarization Training	3,5,6
LL04	Aircrew Chemical Defense Training (ACDT)	1,2
LL05	Egress with ACDE	1,5,6
P280	ACDTQT	1,4
SS01	Local SERE Orientation (LSO)	3,6
Table 3.1 NOTES*: Event requirements are defined in Chapter 7.*		
1. Individuals will complete this event within 180 days of initial qualification.		
2. Individuals will complete this event prior to a mission requiring this event.		

3. Mission-ready crewmembers transferring between flying units require these events.

4. May be accomplished on the ground or in-flight (Dual credit LL05 and P280).

5. Mandatory for unit assigned aircraft changes.

6. Will be accomplished prior to first flight.

7. Will be accomplished prior to first operational flight.

8. If applicable to unit mission or required for deployment.

3.4. Flying Training Requirements.

3.4.1. After arrival at duty station, all crewmembers will complete unit mission brief (G041) and may receive a local orientation flight as directed by local policy.

3.4.1.1. BAQ crewmembers pursuing MR status will be assigned FTL D and accomplish continuation training requirements IAW Chapter 4. Continuation training requirements will be prorated based on the training time start date as defined in **paragraph 1.7**.

3.5. Unit Assigned MDS Training Requirements. Conversion training is normally associated with a unit conversion to another MDS. Unit conversions to the universal qualification aircraft listed in **Chapter 2** require LL01, unit assigned LL03 event and LL05 prior to first flight.

3.5.1. Units must receive MAJCOM/A3T approval prior to unit-assigned MDS change. After final approval, publish a unit letter to identify initial cadre of instructor and FEs by crew position.

3.6. Minimum C-21 Training Requirements. AECM's that require C-21 qualification will, at a minimum, complete the following MDS specific training listed below. Further training requirements will be accomplished IAW local training guidance.

3.6. (452AMW)Minimum C-21 Training Requirements. The 452 AES does not have C-21 training requirements.

3.6.1. G937 AECM C-21 Aircraft CBT

3.6.2. LL01 Aircrew Flight Equipment Familiarization training

3.6.3. LL03D C-21 Ground Egress

3.6.4. LL05 Egress training with ACDE (if required for deployment)

3.6.5. M221, M222, M223, and M225 Aircraft Systems (hands - on review). See **Chapter 7**, para **7.12.1.5** for additional configuration guidance.

3.6.6. Training time start date is 45 days (90-days ARC) after being attached or assigned to the unit.

Chapter 4

CONTINUATION TRAINING

4.1. Description. This chapter establishes the minimum flying and related ground training requirements to maintain an assigned aircrew currency. The unit commander will ensure each crewmember receives sufficient continuation training to maintain individual proficiency**.**

4.2. Aircrew Status. Squadron commanders will assign AE crewmembers an aircrew status using the following criteria:

4.2.1. Mission Ready (MR). For Status of Resources and Training System (SORTS), operational tasking, and deployments, a MR crewmember is defined as one who is available, current and qualified (completed initial and mission qualification training for the applicable crew position).

4.2.2. Non-Mission Ready (NMR). A crewmember that is unqualified, non-current or incomplete in required continuation training. See paragraph **4.9** for specific guidance on crewmembers who are non-current or incomplete in required continuation training.

4.2.3. Basic Mission Capable (BMC). Does not apply to AE personnel.

4.2.4. Basic Aircraft Qualification (BAQ). A crewmember that has satisfactorily completed initial or requalification training in any universal designated MDS and is qualified to perform aircrew duties. Crewmember has not completed requirements to achieve MR status.

4.2.5. MR and BAQ crewmembers must accomplish and/or maintain the requirements in AFI 11-202v1 (for their respective status) and the appropriate events in the ground and semi-annual flying continuation tables in this chapter**.**

4.3. Training Levels.

4.3.1. The SQ/CC will assign FTLs to assigned and attached crewmembers before each semi-annual period. Assign new unit crewmembers a FTL during in-processing. Base FTL on experience and aircraft proficiency.

4.3.1.1. NMR crewmembers assigned to MAJCOM Headquarters, Air Operations Centers (AOCs), Numbered Air Force (NAF), USAF Expeditionary Center (USAFEC), Contingency Response Group (CRG), Air Mobility Operations Group (AMOG) and USAFSAM are categorized as FTL E.

4.3.2. Flying Training Levels (FTL).

4.3.2.1. FTL "A"– Highly Experienced Crewmembers. This may include MR HQ AF, MAJCOM, AOCs and NAF personnel; formal schoolhouse instructors; USAF Expeditionary Center instructors; WG/CC, OG/CC, and Sq/CC; operations officers, personnel assigned to OG examiner positions; and FIs/FEs assigned primarily to staff duties. Sq/CC's have the discretion to assign highly experienced MR unit crewmembers to this level.

4.3.2.2. FTL "B"– Experienced, MR Crewmember.

4.3.2.3. FTL "C"– MR Crewmember.

4.3.2.4. FTL "D"– BAQ Crewmember. Primarily for individuals pursuing MR status after qualification training.

4.3.2.5. FTL "E"— BAQ non-instructor staff in initial or requalification training (if applicable). May include senior officers, MAJCOM, NAF, AMOS and TACC staff who are not maintaining MR or FI status. FTL E requirements are insufficient for MR status, and crewmembers assigned to this FTL will fly with a FI of like specialty at all times.

4.3.3. Changes of FTL

4.3.3.1. Once the semi-annual period begins, do not move a MR crewmember to a level requiring fewer events except upon completion of FI upgrade. Prorate events at the end of the training periods.

4.4. Training Events/Tables. Standardized ARMS training event identifiers and descriptions are in **Chapter 7**. The unit may designate Unit Defined Events (UDE) as "X" event (i.e. X020) and will include local X event identifiers in OG/CC level guidance. (see paragraph **7.26**)

4.4.1. Crediting Event Accomplishment. Credit required events accomplished on an ARM, OTM and STM missions. Those flight events accomplished on a satisfactory qualification/mission or requalification evaluation may be credited towards the individual's currency requirements and establishes a subsequent due date.

4.4.2. For an unsatisfactory flight evaluation. Do not log continuation training requirements for those events graded Q-3 until requalified.

4.4.3. Crewmembers performing extended alert duty (more than 72-hours) may accomplish ground training that does not degrade required response time or mission accomplishment. Specify requirements and/or restriction in MAJCOM supplement.

4.5. Continuation Training Requirements.

4.5.1. Completion and tracking of continuation training is the responsibility of the individual crewmember. Crewmembers shall actively work with unit schedulers and training offices to ensure their continuation training is accomplished as described in this chapter.

4.5.2. Ground Training Events. Crewmembers will comply with requirements of **Table 4.1 and 4.2** See **Chapter 7** for event descriptions.

4.5.2.1. Failure to accomplish ground continuation training events in **Table 4.1** and **Table 4.2** leads to grounded or NMR status. See paragraph **4.9** for exceptions and for regaining MR status.

4.5.2.2. Failure to complete mobility training in **Table 4.3** does not lead to NMR status, but may restrict member from certain missions.

4.5.2.3. Failure to complete semi-annual continuation flying requirements listed in **Table 4.4** and **4.5** leads to NMR status. See paragraph 4.9. for exceptions and for regaining MR status.

4.5.2.4. Crewmembers attached to units (i.e. MAJCOM, NAF (AFRC), USAF Expeditionary Center, etc.) may accomplish ground training events at locations other than their unit of attachment. The crewmember is responsible for reporting accomplished training events to their unit of attachment (ARMS office).

4.5.2.5. All training events will be recorded in ARMS. Input all one-time events and events required for Permanent Change-of-Station (PCS) in the ARMS database.

4.5.2.6. Aircraft Training (CBT/IBT) – will be completed for continuation per **Table 4.1 and Table 4.2** CBT/IBTs will be completed on a 17 month cycle to refresh aircraft specific training. AECMs may choose to align completion of the CBT/IBTs in preparation for their open-book requisite test.

4.5.3. Flying Continuation Training Requirements.

4.5.3.1. As a minimum, senior officer AECMs will maintain FTL D. Senior officers on MR status will comply with Table 4.4.

Table 4.1. FN Ground Continuation Training Requirements (Failure to Accomplish = NMR except if note 5 applies)

Code	Event	Frequency	Notes
	Flight Physical	455d	1,2,6
	Physiological Training	QQ	1,3,6
G070	Aircrew Intelligence Training	A	4,6
G090	Anti-hijacking	T	4,6
G230	CRM Refresher	A	4,5,6
G500	ACLS	24M	1
G932	AECM C-130 Aircraft Training	17M	7
G934	AECM C-17 Aircraft Training	17M	7
G935	AECM KC-135 Aircraft Training	17M	7
G937	AECM C-21 Aircraft Training	17M	7,8
G940	CPR	24M	1
G950	Medical Equipment Review (hands-on)	12M	4
G955	HIPAA	A	1
G956	Medication Administration	A	1
LL03	Emergency Egress Training, Non ejection seat (unit assigned)	T	1,6,9
LL06	Aircrew Flight Equipment Training	T	4,6,10
M345	Burn Trauma	6M	4
M350	Pain Management	6M	4
M351	Psychiatric Management	6M	4
SS02	Combat Survival Training (CST)	36M	4,6,10
SS05	Water Survival Training (WST)	36M	4,6

Table 4.1 NOTES: Key: A – Annual, M-Months, T-Triennial, d-Days, and QQ-5 Years. Event requirements are defined in **Chapter 7**.

1. Mandatory grounding item; individual will not fly until required training is accomplished.

2. Flight physicals expire on the expiration date indicated on the AF IMT 1042. The required frequency may vary to address waivers and or individual physical limitations (as determined by the Flight Surgeon) but in no case will exceed 455 days.

3. Currency expires five years after the last day of the month in which accomplished.

4. The OG/CC or equivalent is the waiver authority for this event.

5. The AFRC quarterly CRM is logged in ARMS with the following schedule: 4-events per year, Semi-Annual currency.

6. IAW AFI 11-202v1, refer to reference publications which provide guidance for accomplishment of ancillary training requirements.

7. IBT may be utilized for recurring events, if aircraft or ATD is available.

8. If applicable to the mission and/or if required for deployment

9. LL03 for unit assigned MDS Ground Egress (AECM) event.

10. LL06 may be accomplished in conjunction with SS02, LL03, or SS05. See **Chapter 7**.

Table 4.2. AET Ground Continuation Training Requirements (Failure to Accomplish = NMR except if Note 5 applies.

Code	Event	Frequency	Notes
	Flight Physical	455d	1,2,6
	Physiological Training	QQ	1,3,6
G070	Aircrew Intelligence Training	A	4,6
G090	Anti-hijacking	T	4,6
G230	CRM Refresher	A	4,5,6
G932	AECM C-130 Aircraft Training	17M	7
G934	AECM C-17 Aircraft Training	17M	7
G935	AECM KC-135 Aircraft Training	17M	7
G937	AECM C-21 Aircraft Training	17M	7,8
G940	CPR	24M	1
G950	Medical Equipment Review (hands-on)	12M	4
G955	HIPAA	A	1
G956	Medication Administration	A	1

G960	NREMT	24M	1
LL03	Emergency Egress Training – Non Ejection Seat (unit assigned)	T	1,6,9
LL06	Aircrew Flight Equipment Training	T	4,6,10
M345	Burn Trauma	6M	4
M350	Pain Management	6M	4
M351	Psychiatric Management	6M	4
SS02	Combat Survival Training (CST)	36M	4,6,10
SS05	Water Survival Training (WST)	36M	4,6

Table 4.2 NOTES: Key: A – Annual, M-Months, T-Triennial, d-Days, and QQ-5 Years. Event requirements are defined in Chapter 7.

1. Mandatory grounding item; individual will not fly until required training is accomplished.

2. Flight physicals expire on the expiration date indicated on the AF IMT 1042. The required frequency may vary to address waivers and or individual physical limitations (as determined by the Flight Surgeon) but in no case will exceed 455 days.

3. Currency expires five years after the last day of the month in which accomplished.

4. The OG/CC or equivalent is the waiver authority for this event.

5. The AFRC quarterly CRM is logged in ARMS with the following schedule: 4-events per year, Semi-Annual currency.

6. IAW AFI 11-202v1, refer to reference publications which provide guidance for accomplishment of ancillary training requirements.

7. Do not complete CBT for unit assigned airframe.

8. If applicable to the mission and/or if required for deployment

9. LL03 for unit assigned MDS Ground Egress (AECM) event.

10. LL06 may be accomplished in conjunction with SS02, LL03, or SS05. See **Chapter 7**.

Table 4.3. Aircrew Mobility Training Requirements.

(Failure to Accomplish = Restrictions May Apply Except if Note 5 Applies)			
LL03A	C-130 Ground Egress (AECM)	17M	6,7,8,10
LL03B	C-17 Ground Egress (AECM)	17M	6,7,8,10
LL03C	KC-135 Ground Egress (AECM)	17M	6,7,8,10
LL03D	C-21 Ground Egress (AECM)	17M	6,7,8,9
LL04	Aircrew Chemical Defense	B	7,8

	Training (ACDT)		
SS03	Conduct After Capture	36M	

TABLE 4.3 NOTES: Key: A-Annual, B-Biennial, QQ-5 Years, D-due in listed number of days, M-due in listed number of months, A/R as required by Theater. Event descriptions and requirements are listed in **Chapter 7**.

1. Due date should be 3 months prior to passport expiration to prevent passport from expiring.

2. If applicable, secondary passport should be off cycle from primary from 1-2 years to prevent both from expiring in a short period of time.

3. Number of drivers determined by SQ/CC or designated representative.

4. Review of ISOPREP within 90 days prior to AEF/contingency deployment is mandatory.

5. AE crewmembers will maintain qualification for operational requirements IAW AFI 36-2226, *Combat Arms Program.*

6. Qualified AECM FIs and non-instructor boom operators and loadmasters may teach emergency egress training for AECMs prior to flight or prior to enplaning of patients, provided that the training is "hands-on," covers all requirements of LL03 IAW AFI 11-301v1, and is documented on an AF Form 1522. AE personnel will utilize the Aircrew Egress Training Guides available on the HQ AMC/A3TM CoP. These events are not substitutes for unit assigned MDS Egress training (LL03). **NOTE:** AE personnel will maintain currency for their non-ejection seat, _unit assigned_ aircraft and follow established policy for training and certification by a Flight Equipment Officer, appointed rated officer, or qualified instructor aircrew.

7. IAW AFI 11-202v1, refer to reference publications which provide guidance for accomplishment of ancillary training requirements.

8. The OG/CC or equivalent is the waiver authority for this event.

9. If applicable to unit mission and/or required for deployment.

10. LL03 for non-unit assigned MDS Ground Egress (AECM) event.

11. If required for deployment.

4.5.4. Flying Continuation Training Requirements. Flight training requirements from **Table 4.4** and **Table 4.5** can be accomplished on training missions, operational missions (IAW paragraph **1.6.2**) or STMs on a static aircraft or ATD. Reference AMC/A3T ARM Training guide on the A3TM AE CoP for pre-mission requirements for appropriate contents of a mission folder required for training. *EXCEPTION:* F900 cannot be credited on a STM.

4.5.4.1. Aircrew Ratio (ACR) and Aircrew Composition. On a scheduled OTM, ARM, or STM, a crew complement of two FNs and three AETs is required. A MCC is also required for any mission where training is performed, to facilitate the execution of scenarios, provide instructional guidance on medical interventions, aircraft emergencies and document observations of crewmember performance.

4.5.4.2. AE Equipment. An AE crew scheduled to fly an OTM, ARM, CETM or STM are required to carry operational AE In-Flight Kits and PMI Equipment IAW AFI 11-2AEv3 **Table 4.1**. **NOTE:** For local training missions, controlled medications are optional at the discretion of the CN.

4.5.4.3. AE Mission Training. The minimum training standard for an ARM, OTM or STM will include one enplaning or one deplaning session with three occupied or weighted litters (may be mannequins or live simulated patients), coupled with training scenarios that meet the unit's required training objectives. Consult AMC/A3T Aeromedical Readiness Mission (ARM) Training Guide for additional guidance. *EXCEPTION:* OTMs are exempt from litter requirements.

4.5.5. Operational Training Mission. A scheduled operational mission leg on which no patients have been manifested for airlift. AECMs may utilize up to four hours to complete continuation training requirements from **Table 4.4** and **Table 4.5**.   *EXCEPTION:* Prior to conducting training on an operational mission, one AECM will assume a patient role and one MCC trained AECM will assume the MCC role; thereby decreasing the crew complement for training to one FN and two AETs. **NOTE:** If a MCC trained AECM is not available, training is not authorized.

4.5.6. Aeromedical Readiness Mission. Aeromedical readiness missions are designed to provide training in aircraft operations, in-flight medical care and application of medical equipment to simulated patients to prepare AECMs for the movement of casualties.

4.5.6.1. ARMs will be scheduled for sufficient flight time to provide for quality training. If maintenance or weather precludes the completion of training, credit may be granted for the training events accomplished.

4.5.6.2. An ARM scheduled to fly for longer durations should be divided into multiple segments to maximize use of flying hours to complete continuation training events for all AECMs participating in the mission.

4.5.6.3. Tandem Training Missions (TTM). AECMs on an ARM are authorized to conduct simultaneous (tandem) training on the same aircraft utilizing no more than two basic AE crews to meet flight currency requirements. AECMs in primary crew positions will log primary time when performing in-flight duties. Example: Two basic AE crews conducting separate in-flight training using separate in-flight kits, medical equipment, mission documentation and led by (2) separate MCCs. Training of tandem crews will be noted on AFTO 781, *ARMS Aircrew/Mission Flight Data Document*. A lead crew will be identified to the flight crew prior to take off for CRM purposes. (Ref AFI 11-401).

4.5.6.4. ARM missions will only be conducted on C-17, C-130, and KC-135 airframes.

4.5.6.5. ARM Training Exception. Within 24 hours prior to conducting training on a scheduled ARM, if less than the basic crew complement and MCC are available, the

basic crew complement may be modified by the Sq/DO to avoid mission cancellation. Minimum crew complement is one FN and two AETs with a trained MCC. This exception is based on last minute changes to an ARM scheduled with a basic crew complement and MCC. If a MCC trained AECM is not available or the minimum crew complement cannot be filled, the ARM will be cancelled. The AE Unit Scheduler or designated representative will notify the OG/CC or designated representative of the exception to crew complement. Notify MAJCOM of the exception within 48 hours IAW MAJCOM policy. Document crew changes in remarks section of AFTO 781. **NOTE:** ARM Training Exception does not apply for scheduled Tandem Training Missions.

4.5.7. Static Training Mission. STM may be accomplished in a static aircraft or ATDs to complete continuation flying training events when a flight has been cancelled or the aircraft is unavailable for flight.

4.5.8. Contingency Exercise Training Mission (CETM). A training mission conducted during a Wing or MAJCOM sponsored exercise (e.g. JRTC, AECOT, RODEO or IG Inspections). Crew complement will be IAW AFI 11-2AEv3 and based on scenario requirements. All crewmembers will be current and qualified. Upgrade training/evaluations on CETMs must be approved by the exercise owning MAJCOM/A3T. A trained MCC is not required for the mission. AECMs may also take credit for specific events identified in **Tables 4.4 and 4.5** A CETM mission has no required flight time.

Table 4.4. FN Semi-annual Continuation Flying Requirements.

Code	Events	FTL				Curr	Notes
		A	B	C	D		
F900	Mission Management Sortie					60D	1,2,3,4,7
M221	Oxygen Systems	1	1	2	1		1,7
M222	Electrical Systems	1	1	2	1		1,7
M223	Communication Systems	A	A	1	1		1,7
M225	Aircraft Litter Configuration	A	A	2	1		1,7
M226	Floor Load Litter Configuration	A	A	A	1		1,7
M311	Rapid Decompression	1	1	2	1		1,7
M312	Fuselage Fire/Smoke & Fumes Elimination	1	1	2	1		1,7
M313	Emergency Landing/Ditching	1	1	2	1		1,7
M314	Door Warning Light Illuminated In-flight	1	1	2	1		1,7
M331	Cardiac/Respiratory Emergencies	1	1	1	1		1,5,7
M332	Neurological Emergencies	1	2	2	1		1,5,7
M333	Medical Emergencies	1	2	2	1		1,5,7
M341	Maxillofacial, Neck and Eye Trauma	1	1	2	1		1,5,7

M342	Thoracic Trauma	1	2	2	1		1,5,7
M343	Abdominal and Genitourinary Emergencies	1	1	2	1		1,5,7
M344	Orthopedic and Vascular Emergencies	1	2	2	1		1,5,7
M352	Pediatric Management	A	A	A	1		1,5,7
M353	Acceptance/Transfer of Medical Care	1	1	2	1		1,5,7
M920	Contingency Engines Running On or Offload (ERO) Operations	A	A	A	1		5,6,7
P280	Aircrew Chemical Defense Task Qualification Training (ACTQT)	T	B	A	1		7,8

Table 4.4 NOTES: Key: A – Annual, D – due in listed number of days; T-Triennial-Training accomplished once every 3 years. B-Biennial-Training accomplished once every 2-years, 1– accomplished once every semi-annual period; 2 – accomplish twice every semi-annual period. Event requirements are defined in Chapter 7.

1. Must be accomplished by any primary crewmember (to include FI and MCC).

2. Requirement cannot be waived at local level IAW AFI 11-202v1.

3. 90 day requirement for ARC.

4. Cannot be credited on a STM

5. May be accomplished by any AECM who is actively involved in the training scenario (including the Simulated Patient if current in F900).

6. Required for C-130 and C-17 units.

7. Event can be credited at the AE FTU and applicable exercises, (i.e. JRTC, AECOT, IG Inspection, CETM flight) or while deployed.

8. May be accomplished on the ground or in-flight. May be dual credited with LL05.

Table 4.5. AET Semi-annual Continuation Flying Requirements.

Code	Events	FTL				Curr	Notes
		A	B	C	D		
F900	Mission Management Sortie					60 D	1,2,3,4,7
M221	Oxygen Systems	1	1	2	1		1,7
M222	Electrical Systems	1	1	2	1		1,7
M223	Communication Systems	A	A	1	1		1,7
M225	Aircraft Litter Configuration	A	A	2	1		1,7
M226	Floor Load Litter Configuration	A	A	2	1		1,7

M311	Rapid Decompression	1	1	2	1		1,7
M312	Fuselage Fire/Smoke & Fumes Elimination	1	1	2	1		1,7
M313	Emergency Landing/Ditching	1	1	2	1		1,7
M314	Door Warning Light Illuminated In-flight	1	1	2	1		1,7
M331	Cardiac/Respiratory Emergencies	1	2	2	1		1,5,7
M332	Neurological Emergencies	1	2	2	1		1,5,7
M333	Medical Emergencies	1	2	2	1		1,5,7
M341	Maxillofacial, Neck and Eye Trauma	1	1	2	1		1,5,7
M342	Thoracic Trauma	1	2	2	1		1,5,7
M343	Abdominal and Genitourinary Emergencies	1	1	2	1		1,5,7
M344	Orthopedic and Vascular Emergencies	1	1	2	1		1,5,7
M352	Pediatric Management	A	A	A	1		1,5,7
M920	Contingency Engines Running On or Offload (ERO) Operations	A	A	A	1		5,6,7
P280	Aircrew Chemical Defense Task Qualification Training (ACTQT)	T	B	A	1		7,8

Table 4.5 NOTES: Key: A – Annual, D – due in listed number of days; T-Triennial-Training accomplished once every 3-years. B-Biennial-Training accomplished once every 2-years, 1– accomplished once every semi-annual period; 2 – accomplish twice every semi-annual period. Event requirements are defined in Chapter 7.

1. Must be accomplished by any primary crewmember (to include FI and MCC).

2. Requirement cannot be waived at local level IAW AFI 11-202v1.

3. 90 day requirement for ARC.

4. Cannot be credited on a STM

5. May be accomplished by any AECM who is actively involved in the training scenario (including the Simulated Patient if current in F900).

6. Required for C-130 and C-17 units.

7. Event can be credited for applicable exercises, (i.e. JRTC, AECOT, IG Inspection, CETM flight) or while deployed.

8. May be accomplished on the ground or in-flight. May be dual credited with LL05.

4.6. Flight Surgeon Continuation Flying Requirements. Flight Surgeons will comply with the requirements of AFI 11-202v1 and AFI 11-2MDSv1 for the assigned primary MDS.

4.7. Ancillary Training. Ancillary Training is guidance or instruction that contributes to mission accomplishment, but is separate from an Air Force Specialty or occupational series. AFI 11-2AEv1 is not the governing directive for completion of ancillary training events. IAW AFI 11-202v1, the source AFI provides training frequency for these events unless an approved waiver has been authorized. See Unit Deployment Manager representative to ensure compliance with additional USAF personnel training requirements.

4.8. Proration of Training. AFI 11-202v1 describes proration of training requirements for crewmembers not available for flying duties. In addition, prorate training for non-availability due to contingency alerts and contingency flying TDYs when the contingency precludes training for certain mission events. This authority must be used judiciously, especially when prorating the same crewmember for consecutive semi-annual training periods.

4.8.1. Use this formula to determine training requirements at the end of the training cycle: number of months available times the event volume divided by the number of months in the training period. Round down to the nearest whole number, but not less than 1 (e.g., FTL C AET in need of M221 was available 136 days. Take 5 (months available per Table 4.6) X 2 (events in semi-annual period) divided by 6 (months in semi-annual period) = 1.6. Round down to nearest whole number, but not less than 1. Prorated requirement for M221= 1).

4.8.1.1. Use **Table 4.6** to determine the number of months available. Prorate only if absence is at least 15 consecutive days.

4.8.1.2. When an individual permanently changes station to a unit flying the same model aircraft and enters the same training level or lower, during the training cycle, credit training accomplished at the previous base. Prorate training requirements based on the time available (e.g. time at former base, plus time at new base, minus number of days not available) during the training period. Time available starts seven days after sign-in for CONUS and 14 days after sign-in for OCONUS or on the date of actual accomplishment of the first training event, whichever occurs first. Subtract previous accomplishments from the prorated total to determine remaining requirements.

4.8.2. Units may also prorate requirements for individuals changing training levels. Units may elect to credit past accomplishments, but if they elect to do so they may not prorate new training requirements. Individuals moving from Level A to Level B must complete any new training currencies required in Level B. Individuals moving from Level C to Level A or B must re-qualify in the events they are not qualified in and complete mission qualification requirements.

Table 4.6. Individual Availability.

Days Available	Months Available
0-15	0
16-45	1
46-75	2
76-105	3
106-135	4

136-165	5
>166	6

4.9. Failure to Complete Training Requirements. Place individuals on supervised status and declare them NMR in SORTS if they fail to maintain flying currency, fail to complete semi-annual flying continuation training or ground training requirements. The following guidance applies**:**

4.9.1. Flight Training Currency. Flight currency is associated with those events denoted in the flying continuation training tables by a specific period of time (monthly, quarterly, semi-annual, or annually) within which an event must be accomplished. A currency event must be accomplished at least once within that specified time in order to maintain the currency.

4.9.1.1. Loss of Currency. Place individuals delinquent in one or more events in supervised training status and declare them NMR until the flying event is completed or waived. Loss of MR status prohibits an individual from accomplishing unsupervised in-flight duties. Crewmembers are non-current the day after event currency expires (i.e., a crewmember with a 60-day requirement accomplished F900 on 1 September, becomes non-current on the 61st day, 1 November)**.** *EXCEPTION***:** MAJCOM/A3 retains waiver authority for F900, Mission Management Sortie IAW AFI 11-202v1.

4.9.1.2. Regaining Currency.

4.9.1.2.1. For loss of currency up to six months. Crewmember must demonstrate proficiency on any aircraft they are qualified on. The crewmember must be in a designated crew position supervised by a FI of like specialty for all delinquent items and as a minimum, will demonstrate or verbalize aircraft emergency equipment and exit, review the In-flight Medical Kit and emergency functions of the medical equipment.

4.9.1.2.2. Loss of currency exceeding six months. Crewmember is declared unqualified and must complete SQ/CC directed requalification training (**paragraph 2.5**) and receive an aircrew flight evaluation IAW AFI 11-2AEv2.

4.9.2. Failure to Complete Semi-annual Flying Training Events. Individuals who fail to complete semi-annual flying training requirements (**Table 4.4** and **Table 4.5**.) are declared NMR and prohibited from unsupervised in-flight duties, flying outside of the CONUS or deployment until the required training is completed or waived.

4.9.2.1. The SQ/CC will review ARMS products at the end of each semi-annual training period. For individuals who fail to accomplish training requirements, the SQ/CC will either declare them NMR or request an OG/CC waiver for the requirement (paragraph **1.5.7**).

4.9.2.2. If OG/CC waiver is not accomplished, place crewmembers who are NMR for failure to complete semi-annual flying training events in supervised status until the required training is accomplished.

4.9.2.3. OCONUS MAJCOMs may allow individuals to fly local, routine, and non-contingency missions in their respective theater as specified in MAJCOM supplement.

4.9.2.4. Training (ground or flying) is creditable towards the new training period.

4.9.3. Ground Training Events.

4.9.3.1. Failure to complete. Individuals who fail to complete ground training requirements (**Table 4.1** and **Table 4.2**) are declared NMR. The crewmember cannot deploy until training is accomplished.

4.9.4. Mobility Training.

4.9.4.1. Failure to complete Mobility Training events in **Table 4.3** does not affect MR status but restricts crewmembers from performing missions that require the delinquent event(s) until the training is accomplished.

4.9.5. Waivers for Continuation Training Events. The OG/CC or equivalent may waive continuation training events identified in **Table 4.1**, **Table 4.2**, **Table 4.4 and Table 4.5** IAW **1.5.5** The decision to grant a waiver will be based on the individual crewmember's experience and proficiency level (i.e. waivers will not be based on a crewmember's availability). OG/CC will determine the allowable time period of the waiver. The make-up training should be accomplished at the earliest opportunity. This waiver is for unforeseen circumstances only and only for events that will not degrade mission accomplishment.

4.10. Requirements Before PCS or TDY by Rated Members on Active Flying Status. AFI 11-202v1 specifies requirements before PCS or TDY.

4.11. Requirements Before Removal From Active Flying. AFI 11-202v1 specifies requirements before removal from active flying**.**

4.12. Requirements While In Inactive Flying Status. AFI 11-202v1 specifies requirements while in inactive flying status**.**

4.13. Requirements for MAJCOM/NAF Stan/Eval or Aircrew Training AECMs. AECMs assigned to MAJCOM/NAF Stan/Eval or Aircrew Training Directorates will attach to an AE squadron of choice and maintain mission ready status.

4.14. Aircrew Flying With Other Than US Air Force Units. AFI 11-202v1 addresses individuals flying in this status**.**

4.15. Training Period. Continuation training program is based on six month (semi-annual) periods (1 January – 30 June; 1 July – 31 December)**.**

Chapter 5

AIRCREW FLIGHT INSTRUCTOR/FLIGHT EXAMINER UPGRADE PROGRAM

5.1. Description. This chapter identifies the prerequisites and training requirements for qualified AECMs to upgrade to FI/FE. Aircrew instructor/examiner candidates will be selected based upon experience, judgment, ability to instruct, flying experience, skill and technical knowledge. The unit commander selects nominees on the basis of leadership recommendation and unit needs**.**

5.1.1. The unit FI/FE program is administered according to AFI 11-202v2, MAJCOM directives, and this publication. FIs will use AF Forms 4022, *Aircrew Training Folder*, 4023, *Aircrew Training Progress Report*, 4024, *Aircrew Training Accomplishment Report*, and 4025, *Aircrew Summary/ Close-Out Report*, for upgrade training.

5.1.2. Qualified FI/FEs transferring into new units maintain status at the discretion of the gaining unit commander**.**

5.1.3. Initial FI upgrade candidates should be mission ready IAW their unit's Designed Operational Capability (DOC) statement for a minimum of one year.

5.2. Aircrew Members. Aircrew members will complete FI training within 60 days (120 days for AFRC/ANG) after course entry.The SQ/CC may extend training limitation time IAW para. **1.7.4**

5.3. Ground and Flight Training Requirements. For ground and flight training requirements, all initial aircrew FI candidates will complete training IAW AMC AE FI syllabus located on the HQ AMC/A3TM CoP.

5.3.1. In-unit FI qualification training will be accomplished until the AE FTU instructor qualification program is established. *EXCEPTION:* Units may request waiver to AE FTU Instructor course on a case by case situation approval authority is MAJCOM A3T. If approved unit will use AMC approved training syllabus.

5.3.2. FI candidates previously qualified as an aircrew FI may upgrade in-unit without completing the FTU formal course. Unit commanders determine training required to complete upgrade. Unit commanders may require prior FIs to attend the FTU formal course.

5.3.3. All FI upgrade candidates must have completed the Air Force Training Course.

5.4. Flight Instructor Responsibilities.

5.4.1. FIs are responsible to provide thorough preflight briefings and critiques. Instructors will comply with mission outlines, as appropriate, for the type mission being flown or ground training period being conducted.

5.4.1.1. FIs will review each trainee's training record prior to performing each training flight or ground training session.

5.4.1.2. FIs will ensure all required upgrade training items are completed, signed off, and required proficiency level demonstrated before recommending trainee for evaluation. FIs should further ensure training, operations sections, and the flight commander or designated representative is aware of trainee's status.

5.4.1.3. FIs are responsible for student supervision and safety regardless of rank. Should the judgment or proficiency of the trainee raise a question in the instructor's mind as to the trainee's ability to safely execute the duties of the aircrew position at any time during the flight, the instructor will immediately take over those duties prior to the trainee resuming duties. The FI will explain and demonstrate the proper method of executing those duties prior to the trainee resuming duties. Use FIs for any phase of training to capitalize on their expertise and experience.

5.5. Flight Examiner Certification.

5.5.1. All examiner upgrade candidates will receive instruction on the items located on the AF IMT Form 4024 (I/FE overprint) located on the HQ AMC/A3TM CoP. MAJCOM approved in-unit examiner upgrade training consists of academic and flight training.

5.5.2. FE candidates will complete locally developed training programs for examiner certification which will be published as a unit process. Training will include at a minimum, review of applicable publications, examiner responsibilities, and local procedures, observing an EPE and observing a flight evaluation. Further training requirements will be accomplished IAW local training guidance. SQ/CC may waive this requirement if the candidate is a previously certified FE.

5.5.2.1. **(Added-452AMW)** Flight Examiner certifications will be at the discretion of the Sq/CC and/or Sq/Operations Officer (DO) and should be coordinated through the 452 AES/AET and 452 AES Standardization/Evaluations Section (AEV).

5.5.3. FE candidates should: Observe qualified examiners conducting a cross-section of evaluations, to include techniques used to evaluate aircraft systems, configuration, flight directives knowledge, and Emergency Procedures Evaluations (EPE).

Chapter 6

AEROMEDICAL EVACUATION CREWMEMBER QUICK RESPONSE TRAINING PROGRAM

6.1. Description. The aircraft Quick Response Training (QRT) program is designed for the current and qualified AECM to receive one-time temporary training to perform in-flight aircrew duties on aircraft they are not qualified on prior to performing an operational AE mission on an opportune aircraft. Opportune AE platforms are aircraft other than the C-130, C-17, KC-135 or C-21 (as applicable). Civil Reserve Air Fleet (CRAF) will be included as an opportune AE Platform.

6.2. Scope. This chapter outlines the requirements for QRT to respond to and perform AE missions in a time critical manner. It is imperative that any available aircraft be considered to transport a patient to save life, limb, or eyesight. This program applies to all AECMs regardless of command of assignment**.**

6.3. Guidelines. QRT allows AECMs to safely airlift urgent or priority patients**.**

6.3.1. If an AECM is required to fly an opportune operational AE mission in a primary crew position, F900 (Mission Management Currency Sortie) requirements can be fulfilled.

6.3.1.1. QRT will not change the date of the next required flight evaluation or evaluation reference date.

6.3.1.2. QRT is only valid for one mission.

6.3.2. AES SQ/CC will follow guidance IAW AFI 11-401 for logging of time and flight authorizations.

6.3.2.1. QRT will be documented on the back of the 4327a, *Flight Crew Authorization*, IAW AFI 11-401.

6.3.3. Crew complement. Refer to AFI 11-2AEv3, for AE crew complement.

6.3.4. QRT will be instructed by a qualified crewmember (i.e., loadmaster, boom operator or pilot, ATS contractor for CRAF) in that MDS. The minimum objectives listed in **para 6.3.6.1.1** through **6.3.6.1.6** will be accomplished.

6.3.5. The AECM checklist will be used. AECMs will coordinate emergency actions with a qualified crewmember (i.e., loadmaster, boom operator or pilot, ATS contractor for CRAF).

6.3.5.1. AECMs will review applicable aircraft information in AFI 11-2AEv3 Addenda A, *Aeromedical Evacuation Operations Configuration/Mission Planning,* when notified of mission requirements.

6.3.6. Training Requirements.

6.3.6.1. The following six items are the minimum objectives required for QRT.

6.3.6.1.1. Aircraft emergency procedures/signals/announcements IAW applicable MDS T.O.

6.3.6.1.2. Aircraft emergency equipment (to include Fire Extinguishers, Emergency Escape Breathing Device, Smoke Mask and/or Quick Don Mask/Goggles, Oxygen

Mask, Emergency Passenger Oxygen System, Crash Axe, Escape Ropes, Ladders, Slides, Emergency Lights, Life Preservers, Rafts).

6.3.6.1.3. Egress procedures and aircraft exits (to include Chopping Areas). **NOTE:** All primary egress exits will be opened and closed.

6.3.6.1.4. Safety issues as related to applicable ground (enplaning/deplaning procedures, concurrent servicing procedures) and in-flight operations.

6.3.6.1.5. Aircraft systems - oxygen and electrical.

6.3.6.1.6. AE equipment compatibility with applicable aircraft.

6.3.6.2. Exercise opportune aircraft training missions should have all AE mission components available. (i.e. Patient Support Pallet on KC-10).

6.3.6.3. Crewmembers will accomplish training prior to enplaning patients.

Chapter 7

ARMS TRAINING EVENT IDENTIFIERS AND DESCRIPTIONS

7.1. Description. ARMS event identifiers are standardized for mobility crewmembers. Event descriptions are listed by function.

Table 7.1. ARMS Identifiers and Descriptions.

Identifier	Group	Paragraph
A	Academic training	7.2
AA	USAF-Specified	7.3
AD	Airdrop	7.4 (N/A)
AS	Airland	7.5 (N/A)
B	Navigation & Individual Proficiency	7.6 (N/A)
C	Miscellaneous	7.7.1
E	Miscellaneous	7.7.2-7.7.3
FE	Miscellaneous	7.7.4 (N/A)
FR	Formation Departure & Recovery	7.7.5 (N/A)
F	Flight Training	7.8
G	Ground Training	7.9
H	Miscellaneous (Health)	7.7.6 (N/A)
LE	Miscellaneous (Aircrew Flight Equipment)	7.10 (N/A)
LL	Aircrew Flight Equipment	7.11
M	Mission Specific	7.12
NV	NVG	7.13 (N/A)
N	Crew Proficiency	7.14 (N/A)
P	Individual Proficiency	7.15
Q	Qualification	7.16
R	Air Refueling	7.17 (N/A)
RS	Tactical Approaches / Departures	7.18 (N/A)
S	Special Operations (SOAR)	7.19 (N/A)
SK	Station Keeping Equipment	7.20 (N/A)
SS	SERE	7.21
V	Global Ready Aircraft Commander	7.22 (N/A)
VL	Visual Low Level	7.23 (N/A)
VT	Visual Threat Recognition & Avoidance	7.24 (N/A)
VV	NVG	7.25 (N/A)
X	Unit Defined	7.26

7.1.1. A qualified crewmember that instructs (a class) may receive credit for the training event.

7.1.2. **DOCUMENTATION**

7.1.2.1. Use AF Form 1522 to record ground training events, the course instructor will deliver the completed/certified forms to the appropriate scheduling and training documentation sections. In addition to the AF Form 1522, record small arms training (G280) on AF Form 522, *USAF Ground Weapons Training Data*.

7.1.2.2. Flight Training Documentation: Units will use an AE MAR to record flight training events found in **Tables 4.4 and 4.5,** FN/AET Semi-annual Continuation Flying requirements or MAJCOM approved electronically produced ARM worksheets may be used.

7.1.2.3. Clinical skills training conducted in flight is documented in the CAF for FNs and the CFETP/AFTR for AETs by the AECMs trainer/certifier utilizing the Mission Accomplishment Report (MAR) as the source document. **NOTE***:* AECMs may obtain applicable AFSC specific RSVP skill set credit for completion of flying training events. Refer to RSVP proficiency standards checklist for performance and/or knowledge requirements.

7.2. Academic Training (A) Events.

7.2.1. **A001—Initial Qualification Academic Course.**

7.2.2. **A010 – Instructor Academic Training.** Complete IAW the AE Flight Instructor Syllabus.

7.2.3. **A034 – Requalification Course**. See the appropriate crewmember syllabus for course details. N/A until AE FTU is operational.

7.2.4. **A060 – Flight Examiner Course**. Complete IAW local OG guidance (One-time event).

7.3. USAF Specified Training (AA) Events.

7.3.1. **AA01–Qualification Evaluation**. See AFI 11-2AEv2

7.4. Airdrop (AD) Events. (N/A AE)

7.5. Airland (AD) Events. (N/A AE)

7.6. Navigation & Individual Proficiency (B) Events. (N/A AE)

7.7. Miscellaneous (C, E, H, FE, LE) Events.

7.7.1. C040 – Mobility Records Review.

7.7.1.1. Purpose: Ensures unit personnel are prepared for deployment

7.7.1.2. Description: Review and update training documentation to meet AF and theater specific training requirements that must be completed prior to deployment. The unit UDM is responsible to ensure all personnel meet these additional ancillary and mobility training requirements and are prepared for deployment to locations specified by tasking order.

7.7.1.3. OPR: Unit Commander, Unit Deployment Manager, and individual crewmembers.

7.7.1.4. Unit: Squadron Readiness

7.7.1.5. Curriculum Development: Unit is responsible for tailoring training to meet unit needs.

7.7.1.6. Instructor: N/A

7.7.1.7. Training Aids: N/A

7.7.1.8. Additional Information: See AFI 10-403, *Deployment Planning and Execution*, and AFI 36-507, *Mobilization of the Civilian Work Force*.

7.7.2. **E030 – Official Passport. (No-fee/maroon)**

7.7.2.1. Purpose: Track passport expiration dates for crewmembers.

7.7.2.2. Description: All crewmembers should have a current Official US passport in order to comply with country entry requirements specified in the *Foreign Clearance Manual (*also referred to as *Electronic Foreign Clearance Guide, eFCG)*.

7.7.3. **E035 – Official Passport.** (Secondary)

7.7.3.1. Purpose: Track passport expiration dates for crewmembers.

7.7.3.2. Description: As required for unit mission. Primary use is for visa application.

7.7.4. **Miscellaneous (FE) Events.** (N/A AE)

7.7.5. **Formation Departure & Recovery (FR) Events.** (N/A AE)

7.7.6. **Miscellaneous (Health) (H) Events.** (N/A AE)

7.8. **Flight Training (F) Events.**

7.8.1. **F900 - Mission Management Currency Sortie.**

7.8.1.1. Purpose: Ensure crewmembers are proficient in integrating patient care requirements with aircraft operations.

7.8.1.2. Description: Log mission management currency on local or operational missions that include appropriate pre-mission planning, preflight briefings and duties IAW applicable guidance, crew or passenger briefings, post-mission procedures. Must complete a minimum of four phases of flight (as outlined in applicable flight crew check list), or two hours during in-flight phase to take credit for this event. Examples are (1.) Loading, before taxi, before take-off and cruise or (2.) Cruise for 2 hours or (3.) Cruise, descent, offloading and before leaving aircraft.

7.8.1.3. OPR: HQ AMC/A3T

7.8.1.4. Unit: Squadron Aircrew Training

7.8.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.8.1.6. Instructor: Not required unless to regain currency IAW **para 4.9**

7.8.1.7. Training Aid: Aircraft

7.8.1.8. Additional Information: Individual must be current in this training event to be able to take credit for any other flying events. To receive credit for a mission management sortie, the crewmember will be in an authorized crew position (MCD, FN, CMT, 2AET, 3AET, I/FE or MCC), and actively performing duties with their assigned crew position.

7.9. Ground Training (G) Events.

7.9.1. **G003 - Flight line Security and Drivers Examination.**

7.9.1.1. Purpose: Requirement prior to driving on the flight line to ensure crewmembers understand proper flight line driving and security procedures.

7.9.1.2. Description: Training, examination and certification to drive vehicles on the flight line IAW local procedures and a briefing by the flight line constable covering the physical layout of restricted areas and owner or user responsibility for security reporting and detection.

7.9.1.3. OPR: MAJCOM: MAJCOM/A7; Unit: Chief, Airfield Management and Flight line Constable.

7.9.1.4. Unit: Unit Flight line Training Monitor

7.9.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.9.1.6. Additional Information: SQ/CC determines the number of unit flight line drivers necessary for AE flight line operations.

7.9.2. **G005 - Flight Physical.**

7.9.2.1. Purpose: Ensure that aircrew members are physically fit to perform aircrew duties.

7.9.2.2. Description: Flight physicals expire on the expiration date indicated on the AF IMT 1042. The required frequency may vary to address waivers and or individual physical limitations (as determined by the flight surgeon) but in no case will exceed 455 days.

7.9.2.3. OPR: AF/SG.

7.9.2.4. Unit: Unit Medical Group

7.9.2.5. Curriculum Development: N/A

7.9.2.6. Additional Information: See AFI 48-123 and applicable MAJCOM guidance.

7.9.3. G006 - Physiological Training.

7.9.3.1. Purpose: Familiarize aircrew members with physiological conditions associated with aircrew duties.

7.9.3.2. Description: Refer to AFI 11-403, *Aerospace Physiological Training Program*, for description and requirements.

7.9.3.3. OPR: AETC/A3

7.9.3.4. Curriculum Development: As directed by AETC/A3

7.9.3.5. Instructor: Qualified Physiology Training Personnel

7.9.3.6. Training Aids: Altitude chamber and physiology training aids per instructor discretion

7.9.3.7. Additional Information: See AFI 11-403 and applicable MAJCOM guidance.

7.9.4. **G041 -Unit Mission Briefing.**

7.9.4.1. Purpose: Ensures newly assigned and attached AECMs are trained in unit's mission.

7.9.4.2. Description: Reviews local policies, DOC statement, and overall unit mission.

7.9.4.3. OPR: Squadron Aircrew Training

7.9.4.4. Curriculum Development: Units are responsible for tailoring training to meet unit needs.

7.9.4.5. Instructor: Unit assigned FI or squadron designee

7.9.4.6. Additional Information: Must be completed IAW **Table 1.2**.

7.9.5. G070 - Aircrew Intelligence Training (AIT).

7.9.5.1. Purpose: Provides crews with the fundamentals of threat knowledge, visual recognition, and collection and reporting requirements. Enhances crewmember understanding of threats to unit assets with a direct impact on mission success and aircrew survival.

7.9.5.2. Description: Course will provide aircrew with details concerning how, when and what to include in Mission Reports (MISREP), Ops-Intel interface, Request for Information (RFI), Escape and Evasion procedures and the development and coordination of Evasion Plans of Action (EPA).

7.9.5.3. OPR: HQ AMC/A2

7.9.5.4. Unit: Wing Intelligence

7.9.5.5. Curriculum Development: AMC/A2, with tailoring by unit intelligence personnel.

7.9.5.6. Instructor: Qualified Intelligence Instructor

7.9.5.7. Training Aids: IBT with Intel training aids

7.9.6. G090 - Anti-Hijacking.

7.9.6.1. Purpose: Provides crewmembers with training on USAF policy that includes war and peacetime requirements for arming USAF personnel and the use of deadly force.

7.9.6.2. Description: Training includes the use of force model, training aircrews armed to protect resources, and prevent/resist acts of aircraft piracy (hijacking).

7.9.6.3. OPR: HQ AMC/A3T and HQ AMC/A7S.

7.9.6.4. Unit: Squadron Aircrew Training

7.9.6.5. Curriculum Development: CBT fulfills requirement. The unit may supplement CBT training with instructor led discussions based on the Use of Force Model (UFM) in AFI 31-117, *Arming and Use Of Force By Air Force Personnel,* and criterion test (locally developed).

7.9.6.6. Instructor: Unit designated instructor

7.9.6.7. Training Aids: CBT

7.9.6.8. Additional Information: This training meets requirements in AFPD 16-8, *Arming of Aircrew, Mobility, and Overseas Personnel* and AFI 36-2226, to include procedures in AFI 31-117. This course will supplement training in G280, Small Arms. CBT located on the AMC ADLS. Units may supplement CBT training with instructor led discussions based on the Use of Force Model (UFM) in AFI 31-117 and criterion test.

7.9.7. **G100 - Law of Armed Conflict (LOAC).**

7.9.7.1. Purpose: Ensure crewmembers understand LOAC.

7.9.7.2. Description: This training includes the principles and rules of the LOAC for aircrews to carry out their duties and responsibilities according to the Hague Convention IV 1907, 1949

7.9.7.3. Geneva Conventions and status of forces agreements.

7.9.7.4. OPR: AF/JA.

7.9.7.5. Unit: Squadron Aircrew Training

7.9.7.6. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs

7.9.7.7. Instructor: Wing assigned legal officer, unit intelligence officer, or CBT

7.9.7.8. Training Aid: CBT

7.9.7.9. Additional Information: Commanders may supplement AF, MAJCOM LOAC training programs. LOAC training CBT is available via the Air Force Portal. Due to different mission requirements, units may increase emphasis on those areas in the course of particular interest to them. During wartime or contingency operations, commanders may direct staff to conduct LOAC training in coordination with JA and intelligence. Intelligence is only responsible for presenting JA's scripted briefing. See AFI 51-401, *Training and Reporting to Ensure Compliance With the Law of Armed Conflict*.

7.9.8. **G120 - ISOPREP Review**

7.9.8.1. Purpose: Review of isolated personnel report (ISOPREP).

7.9.8.2. Description: All crewmembers will maintain a digital ISOPREP in Personnel Recovery Management System (PRMS), IAW Joint Personnel Recovery Agency (JRPA) guidance.   Personnel will review ISOPREP upon deployment, prior to the first mission of the day and at least every 180 days.

7.9.8.3. OPR: HQ AMC/A2

7.9.8.4. Unit: Unit Intelligence

7.9.8.5. Curriculum Development: N/A

7.9.8.6. Instructor: Qualified Intelligence Personnel

7.9.8.7. Additional Information: See applicable MAJCOM guidance. Once printed, the ISOPREP card is classified CONFIDENTIAL and must be safeguarded. May be completed in conjunction with G070-Aircrew Intelligence Training (AIT).

7.9.9. **G230 - Crew Resource Management (CRM) Refresher.**

7.9.9.1. Purpose: Reinforces initial CRM training through an academic review of the AMC common core subjects (according AFI 11-290, as supplemented) with specific emphasis on an annual refresher topic.

7.9.9.2. Description: Course provides crew members with training on how to successfully use all crew members to resolve problem situations.

7.9.9.3. OPR: HQ AMC/A3T

7.9.9.4. Unit: Squadron Aircrew Training

7.9.9.5. Curriculum Development: Syllabus will be at the instructor's discretion and be based on teaching material provided by CRM Facilitators Course. Note: material should address CRM within the medical team and between the medical team and the front end aircrew.

7.9.9.6. Instructor: Certified CRM facilitators

7.9.9.7. Training Aids: At the instructor's discretion

7.9.9.8. Additional Information: Mission-specific continuation CRM training conducted according to AFI 11-290, as supplemented. AFRC will conduct semi-annual or quarterly refresher topics. AFRC quarterly CRM is logged into ARMS with the following schedule: four events per year, Semi-annual Currency.

7.9.10. G231 - Initial Crew Resource Management (CRM) Training.

7.9.10.1. Purpose: Aircraft and crew-specific CRM training conducted according to AFI 11-290 and MAJCOM Supplements.

7.9.10.2. Description: Introduces AMC common core subjects (according to AFI 11-290 and MAJCOM Supplements). If initial CRM is not accomplished at the formal school, it must be accomplished within 45-days AD and 90-days ARC of reporting to home station.

7.9.10.3. OPR: HQ AMC/A3T

7.9.10.4. Unit: Squadron Aircrew Training

7.9.10.5. Curriculum Development: Formal School Instructors. Note: material should address CRM within the medical team AND between the medical team and the front end aircrew.

7.9.10.6. Instructor: Certified CRM Instructor

7.9.10.7. Training Aids: At the instructor's discretion

7.9.10.8. Additional Information: Completion of any CRM pre-work by ATS instructor, if applicable, is required prior to instructing CRM training. An individual who

successfully completes the Crew Resource Management Facilitators Course may be used in place of an ATS contractor.

7.9.11. **G280 - Small Arms Training (M-9).**

7.9.11.1. Purpose: Trains crewmembers in successful engagement of enemy targets within the range and capabilities of their assigned weapon.

7.9.11.2. Description: Course will meet requirements of AFI 36-2226 and include use of force training from AFI 31-117

7.9.11.3. OPR: HQ AMC/A7

7.9.11.4. Unit: Unit Combat Arms Training and Maintenance (CATM)

7.9.11.5. Curriculum Development: Unit Combat Arms Training and Maintenance (CATM)

7.9.11.6. Instructor: Qualified SFS combat arms instructor

7.9.11.7. Training Aids: Academics and firing range exercise; includes use of force and live fire or simulator training. Simulator training may not be used for initial qualification (AFI 36-2226, *Combat Arms Program,* AFI 31-117*, Arming and Use of Force by Air Force Personnel).*

7.9.11.8. Additional Information: ARC may define alternate frequency requirements. Accomplish every 24 months IAW AFI 36-2226 para 5.5.1.9.

7.9.12. G500 – Advanced Cardiac Life Support (ACLS).

7.9.12.1. Purpose: Ensures FNs are trained to perform emergency resuscitation of adult patients.

7.9.12.2. Description: Current ACLS guidelines will be used by all AECMs during ARM and operational missions.

7.9.12.3. OPR: HQ AMC/SG

7.9.12.4. Unit: Squadron Clinical Training

7.9.12.5. Curriculum Development: AHA Guidelines

7.9.12.6. Instructor: Certified AHA ACLS Instructor

7.9.12.7. Training Aids: At the instructor's discretion

7.9.12.8. Additional Information: Flight Nurses will complete this requirement IAW the AFSC-Specific Readiness Skills Verification Program (RSVP) and applicable directives.

7.9.13. **Aeromedical Evacuation Virtual Walk-Around**

7.9.13.1. **G932 AECM C-130 Aircraft Training**

7.9.13.2. **G934 AECM C-17 Aircraft Training**

7.9.13.3. **G935 AECM KC-135 Aircraft Training**

7.9.13.4. **G937 AECM C-21 Aircraft Training (if applicable for unit mission or deployment)**

7.9.13.5. **G939 AECM UH-60 Aircraft Training (if applicable for deployment)**

7.9.13.5.1. Purpose: Understand varying characteristics for universal qualification and additional aircraft, as required

7.9.13.5.2. Description: Review aircraft emergency signals and announcements, aircraft emergency equipment, egress procedures, aircraft systems, concurrent servicing procedures, and aircraft configuration.

7.9.13.5.3. OPR: HQ AMC/A3T

7.9.13.5.4. Unit: Squadron Aircrew Training

7.9.13.5.5. Curriculum Development: Lead command in coordination with user commands.

7.9.13.5.6. Instructor: Qualified Aircrew Instructor

7.9.13.5.7. Training Aids: CBT and/or IBT with AMC/A3T checklists

7.9.13.5.8. Additional Information: This aircraft training event may be accomplished by either IBT or CBT IAW **Tables 4.1** and **4.2**. IBT hands on demonstrations will be accomplished IAW the standardized training program checklist. Document successful completion of this training on an AF IMT 1522. C-21 Aircraft Training is not included in the virtual walk-around. All AECMs that require C-21 qualification will complete the existing C-21 aircraft CBT and successfully pass the end of course assessment for event credit. UH-60 Aircraft Training only required for deployment tasking's.

7.9.14. **G940 – Cardio-Pulmonary Resuscitation (CPR).**

7.9.14.1. Purpose: Ensures all AECMs can perform adequate adult, pediatric and infant CPR.

7.9.14.2. Description: Evaluates crewmembers ability to provide CPR IAW current American Heart Association (AHA) and Military Training Network (MTN) guidelines.

7.9.14.3. OPR: HQ AMC/SG

7.9.14.4. Unit: Squadron Clinical Training

7.9.14.5. Curriculum Development: Current AHA and MTN guidelines

7.9.14.6. Instructor: Certified AHA CPR Instructor

7.9.14.7. Training Aids: AHA curriculum and IBT with CPR mannequins,

7.9.14.8. Additional Information: Current AHA guidelines for CPR will be used by all AECMs during ARM and operational missions.

7.9.15. G950 - Medical Equipment Review (Hands-on).

7.9.15.1. Minimum Equipment: Bag-Valve-Mask, Portable O2 System, Cardiac monitor/Defibrillator/Battery Pack, Portable Suction Unit, ECAS, Pulse Oximeter, Frequency Converter, Restraints, IV Infusion Pump, Ventilator, Minilator, Vital Signs Monitor, Aeromedical Wireless Intercommunication System, C-17 HALO Adaptor, and *C-21 Spectrum Unit

7.9.15.2. Purpose: Ensures all AECMs can demonstrate the ability to assemble/operate AE medical equipment.

7.9.15.3. Description: Training will include medical equipment routinely operated during AE missions.

7.9.15.4. OPR: HQ AMC/A3T

7.9.15.5. Unit: Squadron Training personnel

7.9.15.6. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.9.15.7. Instructor: Qualified Aircrew Instructor or certified equipment trainer

7.9.15.8. Training Aids: AE Equipment

7.9.15.9. Additional Information: Additional pieces of equipment may be included to the above items per direction of HQ AMC or the unit Commander/Chief Nurse.

7.9.15.10. *C-21 Specific Requirements: Properly preflight and configure for patient use to include oxygen and suction IAW AFI 11-2AEv3, Addenda A. This requirement is for AECMs where the C-21 is applicable to the assigned unit's mission.

7.9.16. **G955 - HIPAA Training. (Privacy Act and HIPAA Clinical Training)**

7.9.16.1. Purpose: Ensure AECMs understand the basics of the Privacy Act and HIPAA.

7.9.16.2. Description: Provides information on applicable Federal laws, DOD and AF instructions, requirements for protecting Personally Identifiable Information, and impact of privacy and/or security breaches.

7.9.16.3. OPR: AF/SG

7.9.16.4. Unit: Squadron Clinical Training

7.9.16.5. Curriculum Development: As developed and revised on Military Health System (MHS) Learning Portal

7.9.16.6. Training Aids: CBT

7.9.16.7. Additional Information: See AFI 41-210, *Tricare Operations and Patient Administration Functions*, and specific MAJCOM guidance. HIPAA training is hosted by MHS at **https://mhslearn.csd.disa.mil**. Personnel must login to MHS Staff Training and register to access the CBT.

7.9.17. **G956 - Medication Administration**

7.9.17.1. Purpose: Ensure AECMs are proficient with computational pharmacology and medication administration for various medications.

7.9.17.2. Description: Provides academic and hands-on training to assess the fundamental mathematical principles required for drug calculations and medication administration to include oral, injection, suppository, liquid, topical, nebulizer and metered-dose inhaled medications.

7.9.17.3. OPR: AMC/SG

7.9.17.4. Unit: Squadron Clinical Training

7.9.17.5. Curriculum Development: As developed and revised by Mosby's On-Line®

7.9.17.6. Instructor: Squadron Clinical Training

7.9.17.7. Training Aids: Lesson plans and various medication administration supplies

7.9.17.8. Additional Information: Personnel must register with the AFMS Knowledge Exchange and Mosby's On-Line® to access training. To gain credit AETs require Computational Pharmacology and 4N0X1 Medication Administration courses. FNs require Computational Pharmacology and Medication Administration to include: Adding Medication to Intravenous Fluid Containers, Subcutaneous Injections, Intramuscular Injections, Piggyback/Intermittent Infusion Sets/Mini-Infusion Pumps, and Eye medication.

7.9.18. G960 - National Registry Emergency Medical Technician (NREMT) Certification.

7.9.18.1. Purpose: Ensures AETs can provide appropriate medical interventions during patient emergencies.

7.9.18.2. Description: Evaluates the AETs ability to identify and treat emergency medical conditions IAW national clinical training standards.

7.9.18.3. OPR: HQ AMC/A3T

7.9.18.4. Unit: Squadron Clinical Training

7.9.18.5. Curriculum Development: Current NREMT curriculum

7.9.18.6. Instructor: Certified NREMT Instructor

7.9.18.7. Training Aids: At the instructor's discretion

7.9.18.8. Additional Information: AETs will not fly without current NREMT (Individuals who hold a current state Paramedic or National Registry EMT Intermediate/Paramedic certification meet the intent of the NREMT requirement IAW CFETP.

7.10. Aircrew Flight Equipment Training (LL) Events. MAJCOMs may combine and/or supplement courses to fulfill their needs. Refer to AFI 11-301v1, *Aircrew Flight Equipment (AFE) Program*, for course descriptions.

7.10.1. LL01 Aircrew Flight Equipment Familiarization Training (AFEFT).

7.10.1.1. Purpose: To ensure all crewmembers are familiar with unit assigned aircraft aircrew flight equipment and are able to identify, locate and utilize appropriate emergency equipment.

7.10.1.2. Description: One time event, per base of assignment, conducted prior to the first flight at home station to familiarize aircrew members with local AFE availability, issue, use, pre-flight, and post-flight procedures. This training will be provided for subsequent re-assignments to the same base. Units may combine with Local Area Survival (SS01).

7.10.1.3. OPR: HQ AMC/A3T.

7.10.1.4. Unit: Squadron Aircrew Flight Equipment.

7.10.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.10.1.6. Instructor: Qualified Aircrew Flight Equipment Instructor.

7.10.1.7. Training Aids: IBT with AFE training aids.

7.10.1.8. Additional Information: See AFI 11-301v1 and applicable MAJCOM guidance.

7.10.1.9. **NOTE:** ALEP does not apply to AE aircrew.

7.10.2. **LL03 - Emergency Egress Training – Non Ejection Seat.** Code listed for information only and will not be tracked on the Individual Training Summary (ITS**).**

7.10.2.1. **Egress Training (unit assigned and non-unit assigned aircraft suffixes).** Unit assigned aircraft LL03 suffix will be tracked on the ITS as a grounding item. Non-unit assigned LL03 suffix egress training will be tracked on the ITS as a NNMR item with a 17 month currency requirement

7.10.2.1.1. **LL03A - C-130 Egress (AECM).**

7.10.2.1.2. **LL03B - C-17 Egress (AECM).**

7.10.2.1.3. **LL03C - KC-135 Egress (AECM).**

7.10.2.1.4. **LL03D - C-21 Egress (AECM).**

7.10.2.1.5. Purpose: Understand aircraft egress procedures.

7.10.2.1.6. Description: Evaluates aircrew and passenger ability to demonstrate proficiency in air and ground emergency egress procedures. Stress the importance of aircrew coordination, aircrew and passenger responsibilities and use of appropriate emergency egress equipment. Ensure aircrews are aware of their responsibilities for conducting safety and passenger briefings IAW AFI 11-202v3.

7.10.2.1.7. OPR: HQ AMC/A3T.

7.10.2.1.8. Unit: Squadron Aircrew Flight Equipment.

7.10.2.1.9. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.10.2.1.10. Instructor: Instructor aircrew and or Aircrew Flight Equipment instructor. Non-instructor boom operators and loadmasters may teach emergency egress training for AECMs prior to flight or prior to enplaning of patients, provided that the training is "hands-on," covers all requirements of LL03 IAW AFI 11-301v1, para 5.3.3. and is documented on an AF Form 1522. AE personnel will utilize the Aircrew Egress Training Guides available on the HQ AMC/A3TM CoP.

7.10.2.1.11. Training Aids: Aircraft and IBT with AFE training aids.

7.10.2.1.12. Additional Information: See AFI 11-301v1 and applicable MAJCOM guidance. AE personnel will maintain currency for their non-ejection seat, *unit assigned* aircraft and follow established policy for training and certification by a

Flight Equipment Officer, appointed rated officer, or qualified instructor aircrew. If aircraft is not available at base of assignment, accomplish hands on ground egress training prior to enplaning of patients or first flight for the MDS.

7.10.3. LL04 - Aircrew Chemical Defense Training (ACDT).

7.10.3.1. Purpose: Understand Aircrew Chemical Defense procedures.

7.10.3.2. Description: An academic and equipment training session in which the aircrew member demonstrates and performs donning, doffing, and buddy dressing procedures using either the first or second generation ACDE or Aircrew Eye/Respiratory Protection (AERP) equipment. This training also includes information on hazards and limitations of wearing the equipment properly and improperly, preflight procedures, aircraft integration, and parachute descent emergency procedures. Each aircrew will demonstrate procedures during their initial class; subsequent classes require a minimum of 10% of aircrew participants to dress out and demonstrate ACCA decontamination processing procedures.

7.10.3.3. Crewmembers who accomplish initial ACDT at a Technical Training Unit (TTU), Replacement Training Unit (RTU), or Formal Training Unit (FTU) will receive credit for initial training on arrival at their permanent duty station. Units will not combine this training with G010, CBRN training.

7.10.3.4. OPR: HQ AMC/A3T.

7.10.3.5. Unit: Squadron Aircrew Flight Equipment.

7.10.3.6. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.10.3.7. Instructor: Aircrew Flight Equipment instructor.

7.10.3.8. Training Aids: IBT with AFE training aids.

7.10.3.9. Additional Information: See AFI 11-301v1 and applicable MAJCOM guidance.

7.10.3.10. **NOTE:** Until the next generation aircrew chemical defense mask is available, AECMs will use the ground chemical defense (MCU-2A/P or other as appropriate) mask for this training.

7.10.4. **LL05 - Egress Training with ACDE.**

7.10.4.1. Purpose: Understand Egress Training with ACDE.

7.10.4.2. Description: Evaluates the aircrew's ability to demonstrate proficiency in the use of primary as well as secondary air and ground egress procedures while wearing ACDE. Training will stress the unique changes in procedures to include added difficulties aircrew would and could experience as a result of wearing ACDE. Accomplishing this training also satisfies the requirements in LL03 if all LL03 objectives are met.

7.10.4.3. OPR: HQ AMC/A3T.

7.10.4.4. Unit: Squadron Aircrew Flight Equipment.

7.10.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.10.4.6. Instructor: Instructor aircrew and or Aircrew Flight Equipment instructor.

7.10.4.7. Training Aids: Aircraft and IBT with AFE training aids.

7.10.4.8. Additional Information: See AFI 11-301v1 and applicable MAJCOM guidance.

7.10.4.9. **NOTE:** This event may be accomplished on an operational mission, ARM or STM. Must be accomplished in assigned MDS aircraft before first flight.   One Time Event for unit assigned MDS.

7.10.5. LL06 - Aircrew Flight Equipment (AFE).

7.10.5.1. Purpose: To familiarize aircrew with aircrew flight equipment.

7.10.5.2. Description: An academic and equipment training event, in which aircrew members demonstrate their ability to locate, preflight, and use all aircrew and passenger AFE carried aboard unit aircraft or issued to aircrew members. This training includes the limitations and safety issues related to AFE. Additionally, include aircrew clothing items and information on hazards associated with improper wear and failure to use only authorized clothing and equipment items.

7.10.5.3. OPR: HQ AMC/A3T.

7.10.5.4. Unit: Squadron Aircrew Flight Equipment.

7.10.5.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.10.5.6. Instructor: Aircrew Flight Equipment instructor.

7.10.5.7. Training Aids: IBT with AFE training aids.

7.10.5.8. Additional Information: See AFI 11-301v1 and applicable MAJCOM guidance.

7.11. Mission Specific Training (M) Events.

7.11.1. **Aircraft Systems** Provides hands-on experience operating aircraft systems and aircraft configuration for universal qualification airframes. AECMs will operate each of the aircraft systems and configure each aircraft per applicable T.O., flight crew checklist and assigned crew duties. OPR is HQ AMC/A3T.

7.11.1.1. **M221 Oxygen systems**:

7.11.1.1.1. Purpose: Demonstrate or verbalize proper preflight and operational use of portable oxygen system or aircraft therapeutic system (if applicable).

7.11.1.1.2. Description: Properly connect patient to oxygen source using oxygen delivery equipment (BVM, Minilator, etc.).

7.11.1.1.3. OPR: HQ AMC/A3T

7.11.1.1.4. Unit: Squadron Aircrew Training

7.11.1.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs

7.11.1.1.6. Instructor: Qualified Aircrew Instructor

7.11.1.1.7. Training Aids: Oxygen delivery equipment

7.11.1.2. **M222 Electrical systems**:

7.11.1.2.1. Purpose: Demonstrate or verbalize proper preflight and operational use of aircraft and AE electrical equipment.

7.11.1.2.2. Description: Properly preflight and connect medical equipment to aircraft electrical system source using the aircraft electrical outlets and AE electrical frequency converter and electrical cable assembly set (ECAS).

7.11.1.2.3. OPR: HQ AMC/A3T

7.11.1.2.4. Unit: Squadron Aircrew Training

7.11.1.2.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.1.2.6. Instructor: Qualified Aircrew Instructor

7.11.1.2.7. Training Aids: Aircraft and AE electrical equipment

7.11.1.3. **M223 Communication systems**:

7.11.1.3.1. Purpose: Ensures AECMs can integrate AWIS into the aircraft communication system and operate communication system panel during aircraft operations.

7.11.1.3.2. Description: **(FN Only)** Describe or demonstrate proper radio etiquette when on headset, how to acquire a phone patch to obtain operational and medical support, demonstrate the ability to protect patient confidentiality, and AWIS operations in conjunction with the emergency Quick-don mask. **(AET Only)** Describe or demonstrate proper radio etiquette when on headset, demonstrate the ability to protect patient confidentiality, and AWIS operations in conjunction with the emergency Quick-don mask.

7.11.1.3.3. OPR: HQ AMC/A3T

7.11.1.3.4. Unit: Squadron Aircrew Training

7.11.1.3.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.1.3.6. Instructor: Qualified Aircrew Instructor

7.11.1.3.7. Training Aids: AWIS

7.11.1.3.8. Additional Information: Credit may be awarded for training during operational missions, ARMS or static missions. Due to the differences in C-17 aircraft communications equipment, FNs will utilize an approved headset IAW the AWIS operating instruction.

7.11.1.4. **M225 Aircraft Litter Configuration**.

7.11.1.4.1. Purpose: Demonstrate proper aircraft litter configuration

7.11.1.4.2. Description: Evaluates crewmember ability to configure an aircraft for the safe movement of patients using integrated or manufactured patient movement support equipment.

7.11.1.4.3. OPR: HQ AMC/A3T

7.11.1.4.4. Unit: Squadron Aircrew Training

7.11.1.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.1.4.6. Instructor: Qualified Aircrew Instructor

7.11.1.4.7. Training Aids: Aircraft or ATD and weighted litters

7.11.1.4.8. Additional Information: Credit may be awarded for training during operational missions, ARM, or static missions. Configuration of the aircraft will be accomplished IAW applicable T.O. or Air Force Instruction. Litters must be weighted. Actual military personnel, mannequins, sandbags, or baggage may be used to simulate litter patients. Equipment litters are approved for demonstrating floor loading procedures only.

7.11.1.4.9. Aircraft configuration requirements are as followed:

7.11.1.4.9.1. C-130/C-17: Minimum of one litter stanchion set, enplane or deplane a minimum of three weighted litters.

7.11.1.4.9.2. KC-135: Minimum of one Patient Support Pallet (PSP) or Stanchion Litter System (SLS) enplane or deplane a minimum of two weighted litters.

7.11.1.4.9.3. C-21: Only required to meet C-21 qualification requirement IAW **paragraph 3.6**. Enplane and deplane one weighted litter using the Spectrum loading system.

7.11.1.5. **M226 Floor Load Litter Configuration**.

7.11.1.5.1. Purpose: Demonstrate proper aircraft litter floor loading configuration

7.11.1.5.2. Description: Evaluates crewmember ability to configure an aircraft for the safe movement of patients using litter floor loading when litter loading equipment is not feasible or unavailable.

7.11.1.5.3. OPR: HQ AMC/A3T

7.11.1.5.4. Unit: Squadron Aircrew Training

7.11.1.5.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.1.5.6. Instructor: Qualified Aircrew Instructor

7.11.1.5.7. Training Aids: Aircraft or ATD and weighted litters

7.11.1.5.8. Additional Information: Credit may be awarded for training during operational missions, ARM, or static missions. Configuration of the aircraft will be accomplished IAW applicable T.O. or Air Force Instruction. Litters must be weighted. Actual military personnel, mannequins, sandbags, or baggage may be used

to simulate litter patients. Equipment litters are approved for demonstrating floor loading procedures only.

7.11.1.5.9. Floor load litter configuration requirements are as follows:

7.11.1.5.9.1. C-130/C-17: Demonstrate 1, 2, and 3 litter floor loading procedures.

7.11.1.5.9.2. KC-135: Demonstrate 1 and 2 litter floor loading procedures.

7.11.2. **Aircraft Emergencies.** Provides hands-on experience mitigating simulated aircraft emergencies for universal qualification airframes. Accomplish hands-on application of in-flight emergency procedures per flight crew checklist. Emergency scenarios should be coordinated with the flight crew and completed with as much realism as possible. OPR is HQ AMC/A3T.

7.11.2.1. **M311 Rapid Decompression.**

7.11.2.1.1. Purpose: Understand emergency procedures required to mitigate a rapid decompression.

7.11.2.1.2. Description: Evaluates crewmembers ability to recognize a rapid decompression and initiate emergency procedures to minimize adverse effects for crewmembers and patients.

7.11.2.1.3. OPR: HQ AMC/A3T

7.11.2.1.4. Unit: Squadron Aircrew Training

7.11.2.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.2.1.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.2.1.7. Training Aids: Aircraft

7.11.2.1.8. Additional Information: Maybe credited on operational missions, ARM or static training mission.

7.11.2.2. **M312 Fuselage Fire/Smoke & Fume Elimination.**

7.11.2.2.1. Purpose: Understand emergency procedures required to mitigate a fuselage fire or smoke and fumes in the aircraft.

7.11.2.2.2. Description: Evaluates crewmembers ability to recognize a fire or smoke and fumes emergency and initiate emergency procedures to minimize adverse effects for crewmembers and patients.

7.11.2.2.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.2.2.4. Unit: Squadron Aircrew Training

7.11.2.2.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.2.2.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.2.2.7. Training Aids: Aircraft

7.11.2.2.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.2.3. **M313 Emergency Landing/Ditching.**

7.11.2.3.1. Purpose: Understand emergency procedures required to mitigate an emergency landing or ditching emergency.

7.11.2.3.2. Description: Evaluates crewmembers ability to recognize an emergency landing or ditching emergency and initiate emergency procedures to minimize adverse effects for crewmembers and patients.

7.11.2.3.3. OPR: HQ AMC/A3T

7.11.2.3.4. Unit: Squadron Aircrew Training

7.11.2.3.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.2.3.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.2.3.7. Additional Information: May be credited on operational missions, ARM, or static training mission

7.11.2.4. **M314 Door Warning Light Illuminated in flight (as applicable).**

7.11.2.4.1. Purpose: Understand emergency procedures required to mitigate a door warning light emergency.

7.11.2.4.2. Description: Evaluates crewmembers ability to recognize a door warning light emergency and initiate emergency procedures to minimize adverse effects for crewmembers and patients.

7.11.2.4.3. OPR: HQ AMC/A3T

7.11.2.4.4. Unit: Squadron Aircrew Training

7.11.2.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.2.4.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.2.4.7. Training Aids: Aircraft

7.11.2.4.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.3. **In-flight Patient Care.** Integrates aviation medicine and flying operations. Provides a training environment for AECMs to recognize and anticipate critical signs and symptoms, and initiate interventions for in-flight medical emergencies, trauma, and patient care management.   All patient care training will incorporate patient assessment, airway management, shock, patient care issues and the effects of stresses of flight per AFI 41-307, current ACLS guidelines, current SG directed nursing care references, applicable flight crew check list, and assigned crew duties within the individual's scope of practice. Use associated medical equipment IAW current equipment standards. OPR is HQ AMC/A3T and HQ AMC/SG.

7.11.3.1. **In-flight Medical Emergencies.** Prepares and ensures AECMs are proficient in cardiac, respiratory, neurologic, and medical emergencies. AECMs will demonstrate or describe stresses of flight, appropriate assessment, on-going treatment (communicate with pilot in command if actions could affect aircraft), documentation procedures, necessary equipment and supplies to manage various medical emergencies IAW AFI 41-307, current ACLS guidelines, and current SG directed nursing care reference. Use of associated medical equipment will be IAW AFI 10-2909, *Aeromedical Evacuation Equipment Standards*. OPR is HQ AMC/A3T.

7.11.3.2. **M331 Cardiac/Respiratory**:

7.11.3.2.1. Purpose: Demonstrate and obtain all necessary equipment and supplies to manage a patient with chest pain or respiratory distress.

7.11.3.2.2. Description: Evaluates crewmember ability to perform a cardiovascular assessment, identify and treat arrhythmias, and manage a patient whose condition deteriorates and requires BLS and ACLS interventions IAW current American Heart Association guidelines.

7.11.3.2.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.3.2.4. Unit: Squadron Aircrew Training

7.11.3.2.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.3.2.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.3.2.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.3.2.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.3.3. **M332 Neurological Emergencies:**

7.11.3.3.1. Purpose: Demonstrate or describe appropriate assessment, on-going treatment and equipment requirements to manage neurologic emergencies.

7.11.3.3.2. Description: Evaluates crewmember ability to manage neurological trauma, comatose, seizure, or cerebrovascular accident patient, to include airway management, cardiovascular, and respiratory support.

7.11.3.3.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.3.3.4. Unit: Squadron Aircrew Training

7.11.3.3.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs

7.11.3.3.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.3.3.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.3.3.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.3.4. **M333 Medical Emergencies**:

7.11.3.4.1. Purpose: Demonstrate and obtain all necessary equipment and supplies to manage a patient with various non-cardiac or neurologic medical emergencies.

7.11.3.4.2. Description: Evaluates crewmember ability to recognize, assess and treat a patient with endocrine, metabolic, acid based, or obstetric emergencies, etc. to include airway, IV, and medication management.

7.11.3.4.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.3.4.4. Unit: Squadron Aircrew Training

7.11.3.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.3.4.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.3.4.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.3.4.8. Additional Information: Training event is not limited to any single emergency. Units should vary training to better prepare crews for operational tasking's, and may include diabetic crisis, renal failure, hypocalcemia, high risk pregnancy, emergency delivery etc.

7.11.4. **Trauma Management.** Prepares and ensures AECMs are proficient in combat/trauma casualty management procedures. AECMs will demonstrate or describe stresses of flight, appropriate assessment, on-going treatment, documentation procedures, necessary equipment and supplies to manage various traumatic injuries IAW AFI 41-307, current ACLS guidelines, and current SG directed nursing care reference. Use of associated medical equipment will be per current AE equipment standards. OPR is HQ AMC/A3T and AMC/SG.

7.11.4.1. **M341 Maxillofacial, Neck and Eye Trauma:**

7.11.4.1.1. Purpose: Demonstrate appropriate assessment, on-going treatment and flight considerations for patients with traumatic head, neck and eye injuries.

7.11.4.1.2. Description: Evaluates crewmembers ability to manage and provide intervention procedures for medical equipment associated with each type of injury

7.11.4.1.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.4.1.4. Unit: Squadron Aircrew Training

7.11.4.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.4.1.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.4.1.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.4.1.8. Additional Information: Emphasis will be placed on airway management, cervical spine precautions, controlling hemorrhage and shock management. May be credited on operational missions, ARM, or static training mission.

7.11.4.2. **M342 Thoracic Trauma:**

7.11.4.2.1. Purpose: Demonstrate appropriate recognition, assessment and treatment of thoracic injuries, to include pneumothorax, hemothorax, flail chest, etc.

7.11.4.2.2. Description: Evaluate crewmembers ability to manage and provide intervention procedures for medical equipment associated with each type of injury.

7.11.4.2.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.4.2.4. Unit: Squadron Aircrew Training

7.11.4.2.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.4.2.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.4.2.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.4.2.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.4.3. **M343 Abdominal and Genitourinary Trauma:**

7.11.4.3.1. Purpose: Demonstrate appropriate recognition, assessment and treatment of traumatic abdominal and genitourinary injuries.

7.11.4.3.2. Description: Evaluate crewmember ability to manage and provide intervention procedures for medical equipment associated with each type of injury.

7.11.4.3.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.4.3.4. Unit: Squadron Aircrew Training

7.11.4.3.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.4.3.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.4.3.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.4.3.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.4.4. **M344 Orthopedic and Vascular Trauma:**

7.11.4.4.1. Purpose: Demonstrate appropriate neurovascular assessment and treatment of complications from orthopedic and vascular injuries to include orthopedic devices, amputations, active bleeding, etc.

7.11.4.4.2. Description: Evaluates crewmember ability to manage and provide intervention procedures for medical equipment associated with each type of injury.

7.11.4.4.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.4.4.4. Unit: Squadron Aircrew Training

7.11.4.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.4.4.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.4.4.7. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.4.4.8. Additional Information: May be credited on operational missions, ARM, or static training mission.

7.11.4.5. **M345 Burn Trauma:**

7.11.4.6. Purpose: Understand management of burn injuries (fire, electrical, chemical, etc.).

7.11.4.7. Description: Evaluates crewmembers ability to assess and treat burn patients, total body surface area calculations, and fluid replacement calculations.

7.11.4.8. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.4.9. Unit: Squadron Aircrew Training

7.11.4.10. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.4.11. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.4.12. Training Aids: Simulated patient and applicable emergency medical equipment

7.11.4.13. Additional Information: May be credited through in-service training, operational missions, ARM, or static training mission.

7.11.5. **Patient Care Management:** Prepares and ensures AECMs are proficient in patient care management procedures IAW AFI 41-307, AMC AE Forms Guide, and AFI 11-2AEv3. Evaluates crewmember assessment, on-going treatment, documentation procedures, and transfer of medical care. OPR is HQ AMC/A3T and HQ AMC/SG.

7.11.5.1. **M350 – Pain Management:**

7.11.5.1.1. Purpose: Demonstrate assessment and treatment skills required to manage patient pain control needs in-flight.

7.11.5.1.2. Description: Evaluates crewmember ability to manage and provide intervention procedures for approved pain management and analgesic devices IAW AFI 41-307 and current SG directed nursing care reference.

7.11.5.1.3. OPR: HQ AMC/SG

7.11.5.1.4. Unit: Squadron Aircrew Training

7.11.5.1.5. Curriculum Development: HQ AMC/SG

7.11.5.1.6. Instructor: Qualified Aircrew Instructor or clinical training personnel

7.11.5.1.7. Training Aids: Various pain management adjuncts

7.11.5.1.8. Additional Information: May be credited through in-service training, operational missions, ARM, or static training mission.

7.11.5.2. **M351 Psychiatric Management:**

7.11.5.2.1. Purpose: Demonstrate assessment and treatment skills required to care for psychiatric patients to include routine and acute psychiatric care.

7.11.5.2.2. Description: Evaluates crewmember ability to manage and provide intervention procedures for psychiatric patients using cognitive behavioral therapy, de-escalation, physical and/or chemical restraint, etc.

7.11.5.2.3. OPR: HQ AMC/SG

7.11.5.2.4. Unit: Squadron Aircrew Training

7.11.5.2.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.5.2.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.5.2.7. Training Aids: Aircraft and/or at instructor's discretion

7.11.5.2.8. Additional Information: May be credited through in-service training, operational missions, ARM, or static training mission.

7.11.5.3. **M352 Pediatric Management:**

7.11.5.3.1. Purpose: Demonstrate appropriate assessment and treatment skills to manage pediatric patients

7.11.5.3.2. Description: Evaluate crewmember ability to manage pediatric patients to include airway management and ventilation, respiratory distress, cardiac dysrhythmias, fluid management, and resuscitation components.

7.11.5.3.3. OPR: HQ AMC/SG

7.11.5.3.4. Unit: Squadron Aircrew Training

7.11.5.3.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.5.3.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.5.3.7. Training Aids: Aircraft

7.11.5.3.8. Additional Information: May be credited on operational missions, ARM, or static training missions.

7.11.5.4. **M353 Acceptance/Transfer of Medical Care:**

7.11.5.4.1. Purpose: Demonstrate or verbalize skills required to transfer medical care to ground medical personnel to ensure the continuum of care.

7.11.5.4.2. Description: Evaluate crewmember ability to provide verbal report to include patient's chief complaint, assessment findings, treatment rendered, continuing interventions, medications, and special equipment.

7.11.5.4.3. OPR: HQ AMC/A3T and HQ AMC/SG

7.11.5.4.4. Unit: Squadron Aircrew Training

7.11.5.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.5.4.6. Instructor: Qualified Aircrew Instructor or MCC trained crewmember.

7.11.5.4.7. Training Aids: Aircraft

7.11.5.4.8. Additional Information: May be credited on operational missions, ARM, or static training missions.

7.11.6. **M920 - Contingency Engines Running Onload or Offload (ERO) Operations.**

7.11.6.1. Purpose: Ensures crewmembers have hands-on ERO experience with enplaning or deplaning patients during contingency operations.

7.11.6.2. Description: Evaluates crewmember ability to safely enplane or deplane patients with engines running during contingency operations. This event should occur during dusk, dawn or low light conditions (red/green/blue/or suffused white lights) and should be completed in conjunction with an OTM, ARM or STM. Regardless of mission type the engines must be running. OPR: HQ AMC/A3T

7.11.6.3. Unit: Squadron Aircrew Training

7.11.6.4. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.11.6.5. Instructor: Qualified aircrew instructor

7.11.6.6. Training Aids: Aircraft and weighted litters (may be mannequins or live simulated patients, baggage, or sandbags). In-flight kits will not be used as weighted litters.

7.11.6.7. Additional Information: May be credited on operational missions, ARM, or static training mission. AECMs must be in crew position (including I/FE) or participate as a litter bearer. Floor loading litters is an acceptable alternative to loading simulated litter patients into configured stanchions. Crewmembers deployed for combat/contingency operations are exempt from the above requirements and may take credit for this event.

7.11.6.8. ERO requirements are as follows:

7.11.6.8.1. C-130: Configure for a minimum of 10 litter patients, enplane/deplane a minimum of 3 weighted litters.

7.11.6.8.2. C-17: Configure for a minimum of 9 litter patients, enplane/deplane a minimum of 3 weighted litters.

7.11.6.8.3. KC-135: Based on the nature of KC-135 operations, KC-135 unit assigned crewmembers are exempt from annual M920. Every effort should be made to use opportune aircraft to train unit personnel on C-130 and C-17 ERO procedures.

7.12. NVG (NV) Events. (N/A AE)

7.13. Crew Proficiency (N) Events. (N/A AE)

7.14. Proficiency Training (P) Events.

7.14.1. P280 - Aircrew Chemical Defense Task Qualification Training (ACDTQT):

7.14.1.1. Purpose: Ensures crewmembers understand limitations when performing aircrew duties while wearing the ACDE or Ground Chemical Defense Ensemble (GCDE) and how to assist patients requiring protection.

7.14.1.2. Description: AECMs, supervised by an unmasked AECM, will wear GCDE Mask (MCU2A/P or other as appropriate), cotton glove inserts, butyl and nomex gloves for a minimum of 30 minutes while performing AECM duties.

7.14.1.3. OPR: HQ AMC/A3T

7.14.1.4. Unit: Squadron Aircrew Training

7.14.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.14.1.6. Instructor: Qualified aircrew instructor Training Aids: GCDE Mask, cotton inserts, butyl and nomex gloves.

7.14.1.7. Additional Information: Member will, at a minimum, configure (1) stanchion or do interior inspection of aircraft while dressed out in ACDE to experience the complications listed above. This event may be accomplished during ground operations, operational missions (non-interference), STMs or ARMs. Prior to being scheduled for this event, each aircrew member must have completed LL04, Aircrew Chemical Defense Training.

7.14.1.8. **NOTE:** Until the next generation aircrew chemical defense mask is available, AECMs will use the ground chemical defense (MCU-2A/P or other as appropriate) mask for this training.

7.15. Qualification (Q) Events.

7.15.1. **Q001 - Open-Book Qualification Examination.** See AFI 11-2AEv2.

7.15.2. **Q002 - Closed-Book Qualification Examination.** See AFI 11-2AEv2

7.15.3. **Q090 - Flight Publications Check**. See AFI 11-215 Chapter 7, USAF Flight Manuals Program.

7.15.4. **Q170 - Flight Evaluation Folder Review**. See AFI 11-2AEv2.

7.16. Air Refueling (R) Events. (N/A AE)

7.17. Tactical Approaches / Departures (RS) Events. (N/A AE)

7.18. Special Operations (SOAR) (S) Events. (N/A AE)

7.19. Station Keeping Equipment (SK) Events. (N/A AE)

7.20. Survival Training (SS) Events. AFI 16-1301 is SERE parent regulation. In such case where there is a conflict between this reference and the parent regulation, the parent regulation takes precedence. Refer to AFI 16-1301, Table 2.4 for SS event frequencies and grounding items. OPR is HQ AMC/A3DT.

7.20.1. SS01 – Local SERE Orientation (LSO).

7.20.1.1. Purpose: Identifies environmental aspects that could affect an aircrew member in a local area, survival scenario.

7.20.1.2. Description: Determine personnel recovery tactics, techniques, and procedures applicable to local area flying operations.

7.20.1.3. OPR: HQ AMC/A3DT

7.20.1.4. Unit: Unit SERE

7.20.1.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.20.1.6. Instructor: Qualified SERE specialist or designated instructor

7.20.1.7. Training Aids: At the instructor's discretion.

7.20.1.8. Additional Information: LSO is a one-time requirement within 30 days after arrival at each PCS IAW AFI 16-1301. When possible, combine and dual log with Aircrew Flight Equipment Familiarization Training (LL01).

7.20.2. SS02 - Combat Survival Training (CST).

7.20.2.1. Purpose: Provides aircrew members an opportunity to demonstrate their ability to operate aircrew flight equipment (AFE), employ survival/evasion techniques and practice rescue procedures under simulated combat conditions to survive in any peacetime or wartime environment.

7.20.2.2. Description: Course includes in-depth instruction in physiological and psychological factors, personal protection, land navigation, combat recovery and signaling, survival medical training, Code of Conduct, and Search and Rescue communications.

7.20.2.3. OPR: HQ AMC/A3DT

7.20.2.4. Unit: Unit SERE

7.20.2.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.20.2.6. Instructor: Qualified SERE specialist

7.20.2.7. Training Aids: At the instructor's discretion

7.20.2.8. Additional Information: See AFI 16-1301 and the MAJCOM supplement. Course length will not exceed one training day. Units may schedule crewmembers to complete both CST and Water Survival Training (WST) events in a single training day. Training should address the care of patients during survival training.

7.20.3. SS03 - Conduct after Capture (CAC).

7.20.3.1. Purpose: CAC provides refresher training for wartime, peacetime governmental, and hostage detention situations.

7.20.3.2. Description: Course includes physiological and psychological factors, personal protection, land navigation, combat recovery and signaling, survival medical training, Code of Conduct, and Search and Rescue communications

7.20.3.3. OPR: HQ AMC/A3DT

7.20.3.4. Unit: Unit SERE

7.20.3.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.20.3.6. Instructor: Qualified SERE specialist

7.20.3.7. Training Aids: At the instructor's discretion.

7.20.3.8. Additional Information: See AFI 16-1301, *Survival, Evasion, Resistance, And Escape (SERE) Program* for course description. Only qualified personnel will conduct CAC. Resistance role-play instruction is specifically prohibited without HQ USAF/XOO approval and validation. AECMs must complete CAC before being awarded mission ready (MR) status. Training is normally conducted in conjunction with SS02, Combat Survival Training. Training should address the care of patients during survival training.

7.20.4. **SS05 Water Survival Training (WST).**

7.20.4.1. Purpose: Demonstrate proficiency in Training, Tactics, and Procedures (TTP) for survival and recovery from a water environment using weapons system specific survival equipment.

7.20.4.2. Description: Academic and equipment training designed to provide aircrew members the opportunity to demonstrate their ability to use all weapon-system specific floatation devices and components available during an overwater emergency, employ water survival techniques, and practice rescue procedures

7.20.4.3. OPR: HQ AMC/A3DT

7.20.4.4. Unit: Unit SERE

7.20.4.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.20.4.6. Instructor: Qualified SERE specialist

7.20.4.7. Training Aids: At instructor's discretion.

7.20.4.8. Additional Information: See AFPD 11-3*, Life Support*, and AFI 16-1301, *Survival, Evasion, Resistance, and Escape (SERE) Program*. Training should address the care of patients during survival training.

7.20.5. **SS19 – Evasion Conduct After Capture (ECAC), S-V88-AL.**

7.20.5.1. Purpose: Provides training for aircrew members and other designated personnel in post-egress evasion and conduct after capture procedures.

7.20.5.2. Description: Trains the principles, procedures, techniques, and equipment essential to maintaining life and honor, and returning regardless of conditions. Requires home base level top off training defined as SS02, Combat Survival Training

7.20.5.3. OPR: HQ AMC/A3DT

7.20.5.4. Unit: Unit SERE

7.20.5.5. Curriculum Development: Units are responsible for tailoring training to meet unit needs.

7.20.5.6. Instructor: Qualified SERE specialist

7.20.5.7. Training Aids: At instructor's discretion.

7.20.5.8. Additional Information: See AFI 16-1301 and the MAJCOM supplement.

7.20.6. SS20 - Combat Survival Training (CST), Wartime Level C (S-V80-A) (Initial).

7.20.6.1. Purpose: Provides initial training for aircrew members and other designated personnel in post-egress parachute descent procedures.

7.20.6.2. Description: Trains the principles, procedures, techniques, and equipment essential to maintaining life and honor, and returning regardless of conditions.

7.20.6.3. OPR: HQ AETC/A3

7.20.6.4. Unit: Unit SERE

7.20.6.5. Curriculum Development: Units are responsible for tailoring training to meet unit needs.

7.20.6.6. Instructor: Qualified SERE specialist

7.20.6.7. Training Aids: At instructor's discretion.

7.20.6.8. Additional Information: This course meets all the JPRA level-C EAI (Executive Agent Instruction) guidance and is the only Air Force SERE COCT level-C course. Training should address the care of patients during survival training.

7.20.7. **SS32 - Water Survival Training (WST) S-V90-A (Initial).**

7.20.7.1. Purpose: Provides initial training for aircrew members and other designated personnel to survive and be recovered after a ditching emergency.

7.20.7.2. Description: Trains the principles, procedures, techniques, and equipment used by crewmembers and patients to acquire and maintain basic physiological needs until rescue personnel arrive to assist.

7.20.7.3. OPR: HQ AETC/A3

7.20.7.4. Unit: Unit SERE

7.20.7.5. Curriculum Development: Each unit is responsible for tailoring training to meet unit needs.

7.20.7.6. Instructor: Qualified SERE specialist

7.20.7.7. Training Aids: At instructor's discretion

7.20.7.8. Additional Information: See AFI 16-1301 and the MAJCOM supplement. Training should address the care of patients during survival training.

7.20.8. **SS34 - Medical SERE Training.** This course is no longer a formal SERE training program, but does meet the requirements for SS20 (S-V80-A) and water SS32 (S-V90-A) IAW AFI 16-1301. AECMs with a SS34 training date are exempt from attending SS20 and SS32, unless required for additional deployment tasking.

7.21. Global Reach Aircraft Commander Course (V) Events. (N/A AE)

7.22. Visual Low Level (VL) Events. (N/A AE)

7.23. Visual Treat Recognition & Avoidance (VT) Events. (N/A AE)

7.24. NVG (VV) Events. (N/A AE)

7.25. Unit Defined (X) Events. Reserved for use by local units. Publish OG/CC level guidance documenting local event identifiers, associated ARMS nomenclature, volume, currency and/or frequency. OG/CC should review all "X" events for relevancy to the unit's mission during the TRP. This review will be documented in the TRP minutes (see paragraph **1.4.5.1.1**).

    7.25.1. **(Added-452AMW)** Current "X" events are maintained at 452 OG Training and updated periodically as necessary.

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DCS, Operations, Plans and Requirements

(452AMW)

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Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References Joint Pub 3-50, Personnel Recovery, 5 Jan 07

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AFPD 10-2, *Readiness,* 6 Nov 12

AFPD 10-21, *Air Mobility Lead Command Roles and Responsibilities,* 1 May 98

AFPD 10-29, *Worldwide Aeromedical Evacuation Operations,* 6 Nov 12

AFPD 11-3, *Life Support,* 9 Apr 93

AFPD 11-4, *Aviation Service,* 1 Sep 04

AFPD 16-8, *Arming Of Aircrew, Mobility, and Oversea Personnel,* 18 May 93

AFPD 51-4, *Compliance with the Law of Armed Conflict (LOAC),* 4 Aug 11

AFI 10-403, *Deployment Planning and Execution,* 20 Sep 12

AFI 10-2501, *Air Force Emergency Management (EM) Program Planning and Operations,* 24 Jan 07

AFI 10-2909, *Aeromedical Evacuation Equipment Standards*, 19 May 08

AFI 10-2912, *Aeromedical Evacuation Readiness Programs,* 12 Jan 12

AFI 11-2AE, Volume 2, *Aeromedical Evacuation Aircrew Evaluation Criteria,* 16 Sep 11

AFI 11-2AE, Volume 3, *Aeromedical Evacuation (AE) Operations Procedures,* 18 May 10

AFI 11-2AE, Volume 3, Addenda A*, Aeromedical Evacuation Operations Configuration/Mission Planning,* 17May 11

AFI 11-200, *Aircrew Training, Standardization/Evaluation, and General Operations Structure,* 19 Jan 12

AFI 11-202, Volume 1, *Aircrew Training,* 22 Nov 10

AFI 11-202, Volume 2, *Aircrew Standardization/Evaluation Program,* 13 Sept 10

AFI 11-202, Volume 3, *General Flight Rules,* 22 Oct 10

AFI 11-215, *Flight Manuals Program (FMP),* 22 Dec 08

AFI 11-218, *Aircraft Operation and Movement on the Ground,* 28 Oct 11

AFI 11-290, *Cockpit/Crew Resource Management Program,* 15 Oct 12

AFI 11-301, Volume 1, *Aircrew Flight Equipment (AFE) Program,* 25 Feb 09

AFI 11-401, *Aviation Management,* 10 Dec 10

AFI 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Aviation Badges,* 13 Dec 10

AFI 11-403, *Aerospace Physiological Training Program,* 30 Nov 12

AFI 13-207, *Preventing and Resisting Aircraft Piracy (Hijacking)*-(FOUO*), 21 Jun 10

AFI 14-103, *Threat Recognition Training Materials Production Program,* 25 Jan 05

AFI 16-1301, *Survival, Evasion, Resistance, and Escape (SERE) Program,* 6 Sep 06

AFI 31-117, *Arming and Use of Force by Air Force Personnel,* 21 Jun 10

AFI 33-324, *The Information Collections and Reports Management Program: Controlling Internal, Public, and Interagency Air Force Information Collections,* 1 Jun 00

AFI 33-360, *Publications and Forms Management,* 18 May 06

AFI 36-507, *Mobilization of the Civilian Work Force*, 21 Jul 94

AFI 36-704, *Discipline and Adverse Actions,* 22 Jul 94

AFI 36-2107, *Active Duty Service Commitments (ADSC),* 30 Apr 12

AFI 36-2201, *Air Force Training Program,* 15 Sep 10

AFI 36-2226, *Combat Arms Program,* 24 Feb 09

AFI 41-106, *Medical Readiness Program Management,* 1 Jul 11

AFI 41-210, *Tricare Operations and Patient Administration Functions*, 6 Jun 12

AFI 41-301, *Worldwide Aeromedical Evacuation System,* 1 Aug 96

AFI 41-307, *Aeromedical Evacuation Patient Considerations and Standards of Care,* 20 Aug 03

AFI 44-102, *Medical Care Management,* 20 Jan 12

AFI 48-123, *Medical Examinations and Standards*, 24 Sep 09

AFI 51-401, *Training and Reporting To Ensure Compliance with the Law of Armed Conflict,* 11 Aug 11

AFMAN 33-363, *Management of Records,* 1 Mar 08

AFMAN 36-2227, Volume 2, *Combat Arms Training Programs Crew Served Weapons*, 1 Jan 04

AFMAN 36-2236, *Guidebook for Air Force Instructors,* 12 Nov 03

AFOSH Standard 91-100, *Aircraft Flight – Line Ground Operations and Activities,* 1 May 98

AFPAM 10-100, *Airman's Manual,* 1 Mar 09

AFVA 11-224, *Aircraft Marshaling Signals,* 1 Jun 04

DODR 4515.13-R, *Air Transportation Eligibility,* 1 Nov 94

Adopted Forms

AF Form 8, *Certificate of Aircrew Qualification*

AF Form 522, *USAF Ground Weapons Training Data*

AF Form 847, *Recommendation for Change of Publication*

AF Form 1042, *Medical Recommendation for Flying or Special Operational Duty*

AF Form 1522, *ARMS Additional Training Accomplishment Report*

AF Form 4022, *Aircrew Training Folder*

AF Form 4023, *Aircrew Training Progress Report*

AFTO 781, *ARMS Aircrew/Mission Flight Data Document*

AF IMT Form 4024, *Aircrew Training Accomplishment Report*

AF IMT Form 4025, *Aircrew Summary/Closeout Report*

Abbreviations and Acronyms

A3—Operations Directorate

A3E—Executive Services

A3F—Global Space Operations Division, Directorate of Air, Space and Information Operations

A3T—Aircrew Operations and Training Division

A3TM—Air Operations Aeromedical Evacuation Branch

ACCA—Aircrew Contamination Control Area

ACR—Aircrew Ratio

ACCM—# Accomplished

A—Annual

AC—Aircraft Commander

ACDE—Aircrew Chemical Defense Ensemble

ACDT—Aircrew Chemical Defense Training

ACDTQT—Aircrew Chemical Defense Task Qualification Training

AD—Active Duty

ADSC—Active Duty Service Commitment

AE—Aeromedical Evacuation

AECM—Aeromedical Evacuation Crewmember

AECOT—Aeromedical Evacuation Contingency Operations Training

AEF—Air and Space Expeditionary Force

(Added-452AMW) AES—Aeromedical Evacuation Squadron

AET—Aeromedical Evacuation Technician

(452AMW) AET—Training Flight

2AET—Second Aeromedical Evacuation Technician

3AET—Third Aeromedical Evacuation Technician

AETC—Air Education and Training Command

(Added-452AMW) AEV—Standardization/Evaluations Section

(Added-452AMW) AF—Air Force

AFAT—Air Force Awareness Training

AFCAT—Air Force Catalogue

AFDD—Air Force Doctrine Document

AFDIR—Air Force Directory

AFFSA—Air Force Flight Standards Agency

AFH—Air Force Handbook

AFI—Air Force Instruction

AFIND—Air Force Index

AFM—Air Force Manual (old designation)

AFMAN—Air Force Manual (new designation)

(452AMW) AFMAN—Air Force Manual

AFPAM—Air Force Pamphlet

AFPD—Air Force Policy Directive

AFRC—Air Force Reserve Command

AFSC—Air Force Specialty Code

AFTC—Air Force Training Course

AFTR—Air Force Training Record

AHA—American Heart Association

AEIQ—Aeromedical Evacuation Initial Qualification

AIT—Aircrew Intelligence Training

AFE—Aircrew Flight Equipment

AMC—Air Mobility Command

AMOG—Air Mobility Operations Group

AMOS—Air Mobility Operations Squadron

(Added-452AMW) AMW—Air Mobility Wing

ANG—Air National Guard

A/R—As Required

ARC—Air Reserve Component

ARM—Aeromedical readiness mission

ARMS—Aviation Resource Management System

ASEV—Aircrew Standardization/Evaluation Visit

AT—Academic Training

ATD—Aircrew Training Device

ATOC—Air Terminal Operations Center

ATS—Aircrew Training System

B—Biennial

BAQ—Basic Aircraft Qualification

BMC—Basic Mission Capable

BO—Boom Operator

C—Cyclical (17-month qualification evaluation cycle)

CAC—Conduct after Capture

CAF—Combat Air Forces or Competency Assessment Folder

CATM—Combat Arms Training and Maintenance

CBRNE—Chemical, Biological, Radiological, and Nuclear, and High Yield Explosives

CBT—Computer-Based training

CC—Commander

CCT—Cargo Compartment Trainer

CFETP—Career Field Education and Training Plan

CMRT—Continuing Medical Readiness Training

CMT—Charge Medical Technician

CN—Chief Nurse

(452AMW) CN—Chief Flight Nurse

COMSEC—Communications Security

CONUS—Continental United States

CPR—Cardio-Pulmonary Resuscitation

CRAF—Civil Reserve Air Fleet

CRG—Contingency Response Group

CRM—Crew Resource Management

CSI—Contingency SERE Indoctrination

CST—Combat Survival Training

CT—Continuation Training

CUR—Currency

CTA—Chemical Threat Area

CWBD—Chemical Warfare Biological Defense

CWD—Chemical-Biological Warfare Defense

DNIF—Duty Not Involving Flying

D—Number of Listed Days

DO—Director of Operations

(452AMW) DO—Operations Officer

DOC—Designed Operational Capability

DOD—Department of Defense

DOT—Department of Training

EA—Evaluator Aeromedical Evacuation Technician Duty Position Identifier

EH—Evaluator Flight Nurse Duty Position Identifier

EMT—Emergency Medical Technician

ERD—Evaluation Reference Date

ERO—Engines Running Onload or Offload

ETCA—Education and Training Course Announcements

FE—Flight Examiner

FEF—Flight Evaluation Folder

FI—Flight Instructor

FI02—Fraction of Inspired Oxygen

FMP—Flight Manuals Program

FN—Flight Nurse

FT—Flight Training

FTL—Flying Training Level

FTP—Flight Training Period

FuT—Fuselage Trainer

FTU—Formal Training Unit

GR—Grade

GT—Ground Training

HARM—Host Aviation Resource Management

HIPAA—Health Information Portability and Accountability Act

HQ—Headquarters

HRI—High Risk of Isolation

I/FE—Instructor/Flight Examiner

IA—Instructor Aeromedical Evacuation Technician Duty Position Identifier

IAW—In Accordance With

IBT—Instructor-Based Training

IH—Instructor Flight Nurse Duty Position Identifier

INC—Incomplete

INIT—Initial

INSTR—Instructor

IQT—Initial Qualification Training

ISOPREP—Isolated Personnel Report

ITS—Individual Training Summary

JIT—Just-in-time

JRTC—Joint Readiness Training Center

LAS—Local Area Survival

LM—Loadmaster

LMS—Learning Management System

LOAC—Laws of Armed Conflict

M—Months

MAF—Mobility Air Force

MAJCOM—Major Command

MA—Aeromedical Evacuation Technician Duty Position Identifier

MAR—Mission Accomplishment Report

MCC—Mission Clinical Coordinator

MCD—Medical Crew Director

MDS—Mission Design Series

MH—Flight Nurse Duty Position Identifier

MPF—Military Personnel Flight

MQT—Mission Qualification Training

MR—Mission Ready

MSN—Mission

MX—Maintenance

N/A—Not Applicable

NAF—Numbered Air Force

NATO—National Atlantic Treaty Organization

NCOIC—Non-Commissioned Officer In Charge

NGB—National Guard Bureau

NMR—Non-Mission Ready

NNMR—Not Non-Mission Ready

NREMT—National Registry Emergency Medical Technician

OCONUS—Outside the 48 Contiguous States of the United States

OG—Operations Group

OG/CC—Operations Group Commander

OIC—Officer In Charge

OPORD—Operations Order

OPR—Office of Primary Responsibility

ORE—Operational Readiness

ORI—Operational Readiness Inspection

(Added-452AMW) OSS/OST—Operations Support Squadron/Training Division

OTM—Operational Training Mission

P—Proficient

PACAF—Pacific Air Forces

PCS—Permanent Change of Station

POI—Plan of Instruction

PSP—Patient Support Pallet

Q—Qualified

Q-—Qualified with Discrepancies

Q-3—Unsatisfactory Flight Evaluation

QQ—5 Years

QRT—Quick Response Training

QUAL/MSN—Qualification Mission

RDS—Records Disposition Schedule

RPL—Required Proficiency Level

RPT—Required Proficiency Training

RQ—Requalification

RQT—Requalification Training

RSVP—Readiness Skills Verification Program

RTRB—Realistic Training Review Board

S—Satisfactory

SARM—Squadron Aviation Resource Management

SAV—Staff Assistance Visit

SERE—Survival, Evasion, Resistance, and Escape

SG—Surgeon General

(Added-452AMW) Sq—Squadron

Sq/CC—Squadron Commander

STAN/EVAL—Standardization and Evaluation

STM—Static Training Mission

TL—Training Level

TO—Technical Order

TRP—Training Review Panel

TTM—Tandem Training Mission

U—Unqualified or Unsatisfactory

UMD—Unit Manning Document

USAF—Unit States Air Force

USAFE—United States Air Forces in Europe

USAFSAM—USAF School of Aerospace Medicine

UTA—Unit Training Assembly

Vol—Volume

WG—Wing

Wg/CC—Wing Commander

WST—Water Survival Training

WX—Weather

Terms

Academic Training— A course of instruction that includes, but is not limited to, classroom instruction related to aircraft systems and operation, flight characteristics and techniques, performance, normal procedures, abnormal procedures, and emergency procedures. To adequately prepare students, academic courses should be completed prior to simulator or flight training.

Aeromedical Evacuation (AE)— The rapid evacuation of patients during contingencies is necessary to prevent undue suffering and preserve military strength. AE provides time-sensitive en route care of regulated casualties to and between medical treatment facilities using organic and/or contracted aircraft with medical aircrew trained explicitly for the mission. AE forces can operate as far forward as aircraft are able to conduct air operations, across the full range of military operations, and in all operating environments. Specialty medical teams may be assigned to work with the AE aircrew to support patients requiring more intensive en route care.

Aeromedical Evacuation Crew Member (AECM)— Qualified FNs, AETs, and unqualified student trainees performing AE duties under the direct supervision of a qualified FI or FE.

Aeromedical Evacuation Technician (AET)— An enlisted medical corps technician who has completed a recognized course of study in aerospace nursing and has current aeronautical orders in that Air Force Specialty Code (AFSC). See AFI 11-401 for Flight Authorization Duty Code.

Aeromedical Readiness Mission (ARM)— Training missions using simulated patients to prepare AECMs for care and evacuation of patients during wartime.

Aircraft Commander (AC)— Pilot who has been certified to perform "pilot-in-command" duties.

Aircraft Static— Stationary aircraft used for training purposes, must be one of the aircraft used for AE Universal Qualification and have power to the aircraft.

Aircrew Training Device (ATD)—All aircraft trainers (aircraft, FuT, or CCT), computer assisted instruction, sound-on-slide programs, videos, and mockups designed to prepare students for flight training or augment prescribed continuation training.

Annual (A)— Training required once every calendar year.

Basic Aircraft Qualification (BAQ)— Aircrew member who has successfully completed an in-flight evaluation but is not mission ready.

Biennial (B)— Training required once every two calendar years.

Cargo Compartment Trainer (CCT)— Commercially fabricated device that provides actual environment in which crewmembers learn, develop, improve, and integrate skills associated with their crew position. The CCT is a mockup of a real aircraft, not to be confused with a FuT which is a real aircraft with the wings removed. The interior of the CCT allows crewmembers to configure the space for floor loading or the use of stanchions and hookups for medical equipment for static training.

Charge Aeromedical Evacuation Technician (CMT)— A qualified AET who supervises other AETs in aircrew positions on an AE mission.

Contingency Exercise Training Mission (CETM)— A training mission conducted during a DOD/MAJCOM/Wing sponsored exercise, Joint Readiness Training Center (JRTC), Aeromedical Evacuation Contingency Operation Training (AECOT), or Inspector General (IG) inspection. Crew complement will be IAW AFI 11-2AEv3 and based on scenario requirements. All crewmembers will be current and qualified. Upgrade training/evaluations are prohibited on CETM flights. A trained MCC is not required for this mission. AECMs can only take credit for specific events listed in 4.3. A CETM mission has no required flight time.

Computer—Based Training (CBT)— Ground training system that uses computer-generated graphics or text in conjunction with interactive programs as the primary medium of instruction.

Continuation Training— Ground and flight training events necessary to maintain mission-ready or basic qualification status.

Currency Event— Flying continuation training events with prescribed maximum interval between accomplishments shown in the "CUR" column.

Currency Reference Month— Month used to calculate due dates for training events.

Event— A training requirement/event in this AFI. Several events or tasks constitute a training profile.

Flight Examiner (FE)— A crewmember certified to administer evaluations.

Flight Instructor (FI)— Crewmember trained, qualified, and certified by the SQ/CC as an instructor.

Flight Nurse (FN)— A nurse corps officer who has completed a recognized course of study in aerospace nursing and has current aeronautical orders in that AFSC. See AFI 11-401 for Flight Authorization Duty Code.

Flying Training Level (FTL)— A standard assigned to crewmembers, based upon experience and Sq/ CC recommendation, directing flying continuation training requirements.

Fuselage Trainer (FuT)— An actual aircraft that has the wings removed and pneumatic devices such as the loading ramp and the electrical plugs are operated by household electricity and/or external power. This device provides an actual environment in which crewmembers learn, develop, improve, and integrate skills associated with their crew position. The interior of the FuT allows crewmembers to configure the space for floor loading or the use of stanchions and hookups for medical equipment for static training.

Instructor Based Training— Required MDS specific training accomplished by an instructor following a standardized plan of instruction.

Instructor Supervision— A qualified instructor of like specialty supervising a maneuver or event.

Medical Crew Director (MCD)— A qualified FN who supervises patients, manages AECMs, and has overall medical and patient responsibility during AE.

Mission Clinical Coordinator (MCC)— A qualified AECM trained to complete training duties specified in the AMC ARM Training Program Guide. FIs and FEs may also fill this role.

Mission Ready (MR)— An aircrew member who is current and qualified IAW AFI 11-2AEv1.

Monthly— Training required once every calendar month.

Non-Mission Ready (NMR)— An aircrew member who is non-current or unqualified in the aircraft, or incomplete in required continuation training.

Not Non-Mission Ready (NNMR)— An individual who is non-current on a training event not applicable to the unit assigned MDS. Member must complete the delinquent training prior to performing crew duties on the specific MDS, but maintains currency for the other universal qualification MDS'.

Non-Universal AECM Qualification—AECMs with previous AE qualification prior to July 2005. AECMs qualified prior to this date were qualified as MDS specific AECMs or tri-qualified and do not meet the requirement for universal qualification and must complete initial universal AECM qualification.

Operational Training Mission (OTM)— A scheduled operational mission on which no patients have been manifested for airlift. AECMs may utilize 2-4 hours to complete continuation training requirements from Table 4.3. A basic crew complement of two FN and three AETs is required. A MCC is also required for an OTM to facilitate the execution of scenarios, provide instructional guidance on medical interventions, aircraft emergencies and document observations of crewmember performance. **NOTE**: If a MCC trained AECM is not available, training is not authorized.

Quarterly—3-month periods defined as 1 October to 31 December (first quarter of the fiscal year), 1 January to 31 March, 1 April to 30 June, and 1 July to 30 September.

Quick Response Training (QRT)—Training designed for the current and qualified AECM to orient on aircraft they are not qualified on, prior to performing an operational urgent or priority AE mission on an opportune aircraft.

Quinquennial— Training required once every 5-years.

Re-Currency Training—Training used to regain currency based on time AECM has been non-current.

Requalification Training— Training required re-qualifying aircrew members in an aircraft in which they have been previously qualified.

Semi-Annual—6-month training periods from 1 January to 30 June and 1 July to 31 December.

Senior Officers— Colonel selects and above (IAW AFI 11-202v1) to include AES Sq/CCs.

Supervised Training Status— Crewmember will fly under instructor supervision as designated by the SQ/CC or examiner. This status is a result of loss of currency or qualification, or less-than-qualified evaluation or NMR status relating to an overdue ground or flying continuation training event.

Static Training Mission (STM)—An Aeromedical Readiness mission accomplished in a static aircraft or ATD to complete continuation training events when a flight has been cancelled or the aircraft is unavailable for flight. A static training mission should be scheduled for no less than two hours to accomplish continuation training events found in Tables **4.4** and **4.5** Training performed on an STM requires a basic AE crew (IAW AFI 11-2AEv3) and a MCC. **NOTE:** For ERO, engines must be running.

Tandem Training Missions (TTM)—AECMs on Aeromedical Readiness Missions (ARM) are authorized to conduct simultaneous (tandem) training on the same aircraft utilizing no more than two basic AE crews and (2) MCC's.

Training Devices—All trainers (aircraft), computer assisted instruction, sound-on-slide programs, videos, and mockups designed to prepare students for flight training or augment prescribed continuation training.

Training Level (TL)— A standard assigned to crewmembers, by the Sq/CC, directing continuation training requirements.

Triennial— Training required once every three calendar years.

Universal AECM Qualification—A global AE program which ensures all AECMs are trained and qualified to perform in-flight duties on three AE identified MDS' (C-130, C-17, KC-135). Additional C-21 qualification is approved based on unit mission. AECMs qualified on one MDS are considered qualified on all AE identified MDS. Program implemented July 2005.

Upgrade Training— Training to qualify an aircrew member in a higher crew position (i.e., basic crew to FI and FI to FE).

Weighted Litter—Approved NATO/OSL or Army Decontamination litter with a realistic patient weight: mannequin or (human) simulated patient, sandbags, baggage, etc. **Do not use equipment litters as simulated patients**.

Attachment 2

AIRCREW TRAINING DOCUMENTATION

A2.1. General Information. This attachment provides guidelines on proper training documentation. Instructions are provided for AF Form 4022, *Aircrew Training Folder*. Also included are AF IMT Form 4023, *Aircrew Training Progress Report*, AF IMT Form 4024, Aircrew *Training Accomplishment Report*, and AF IMT Form 4025, *Aircrew Summary/ Close-Out Report*, and aircrew training guides. AF IMT Forms 4023, 4024, and 4025 will be used for ATS and formal school courses. Electronic version of the 4022, 4023, 4024, and 4025 are authorized.

A2.1.1. Initiate an AF Form 4022, for ETCA formal training courses (formal school or in-unit), mission qualification, C-21 qualification (if applicable), FE certification training, in-unit upgrade program to the next higher crew qualification, requalification training (formal school or in-unit) and all corrective action or additional training.

A2.1.1.1. Unit operations officer may waive the training folder requirement if corrective action or additional training is limited. If initiated, the FI or FE who evaluated the aircrew member's performance will enter comments pertinent to the training deficiency on AF Form 4023 or the training guide. Use the existing training folder for end-of-course evaluations that result in additional training.

A2.1.1.2. At the unit's discretion, training folders for an individual undergoing more than one training program in a short period of time may combine all training into one AF Form 4022.

A2.1.2. Access to Training Folders. The unit (typically squadron-level) will maintain the training folders for assigned personnel in a location readily accessible to instructors and supervisory personnel. The trainee may review his or her training folder at any time.

A2.1.3. Flight Instructor Procedures. The FI or trainer will review the training folder, to include AF Forms 4023 and 4024, prior to all training periods. Those areas not previously accomplished or those, in which crewmembers require additional training, will be noted for possible inclusion during the current training period.

A2.1.4. Training Folder Review. Squadron leadership will review active training folders on a routine basis to ensure student progression and address any noted training deficiencies.

A2.1.4.1. Sq/CC, Sq/DO, CN, or Superintendent will conduct quarterly and operations reviews. Review will be annotated on AF Form 4023.

A2.1.4.2. Flight commanders or squadron training representatives will conduct a monthly review. Review will be annotated on AF Form 4023. **Note:** Operations review will suffice for the current monthly and quarterly reviews not to exceed 30 days.

A2.1.5. Completion of Training Folders. Upon completion of training, an AF Form 4025 will be placed in the training folder.

A2.1.6. Disposition of Training Folders. Each squadron will retain all AF Forms 4022 and contents until one year after training close out, then the contents of the folder will be maintained as a permanent attachment to the AET's CFETP or within the FN's skills CAF.

A2.1.7. Transfer of FTU Training Records. Formal schools will send or have student hand-carry AF Form 4022 with all training records to the trainee's gaining unit. Sq/CCs or designee will review formal school training records and enter appropriate comments on the training guide progress record or AF Form 4023.

A2.1.8. For the purposes of training documentation, Ground Training (GT) will be considered one-on-one training and all aircraft training not associated with an ARM, OTM or STM. Academic Training will be considered multiple students in a classroom setting.

A2.1.9. AF Form 4022 Aircrew Training Folder Closure. The Training Folder is considered closed upon successful completion of the final event required by the training program. Final training events include flight evaluation; FI validation of training (i.e. C-21 training or FE); and/or SQ/CC certification.

A2.2. Instructions for AF Form 4022. This form is a folder constructed of hard stock paper. The inside covers have tables for documenting training. AF IMT Forms 4023, 4024, and 4025 and additional information (waivers, memorandums, etc.) will be attached through the top centered clasps of the folder. The form is available through the Air Force publications system. Comply with the following when documenting aircrew training on the form. **NOTE:** Formal school instructors using ATS courseware are not required to complete the following sections of the AF Form 4022: ground training summary, written evaluations, and flying training summary if this information is tracked by other means and sent to the gaining unit with AF Form 4022.

A2.2.1. **Trainee information (cover):** Provides trainee and course information.

A2.2.1.1. **NAME and GRADE**. Enter last name, first name, MI and rank (i.e. Doe, John E. Sgt).

A2.2.1.2. **AIRCREW POSITION.** For aircrew members in an upgrade program, enter the aircrew position to which they are obtaining qualification for (i.e. IH, or MA).

A2.2.1.3. **UNIT of ASSIGNMENT.** Self-explanatory.

A2.2.1.4. **TYPE of TRAINING.** Enter formal course title, or for other types of training, enter a descriptive identifier, IAW AFI 11-202v2 (i.e., INIT QUAL/MSN, FE Certification).

A2.2.1.5. **CLASS NUMBER.** Enter formal school class number; otherwise, leave blank.

A2.2.1.6. **COURSE NUMBER:** Enter formal course number (if applicable), otherwise leave blank.

A2.2.2. **GROUND TRAINING SUMMARY** (inside left). This section provides a chronological record of ground training events. Record non-flying training events. Entries are required for GT, or AT. Entries are required for in-unit academic instruction conducted according to formal school courseware or approved instructional tools. (See **Figure A2.1**)

A2.2.2.1. **DATE**. Day, month, year format (i.e. 1 Jan 01).

A2.2.2.2. **TRAINING PERIOD**. Use sequential periods (i.e. GT-1, AT-2, AT-3). Complete one training period before moving on to the next sequential event.

A2.2.2.3. **STATUS**. If training was not completed, mark "INC" with remarks on AF Form 4023. Leave blank if not used.

A2.2.2.4. **FLIGHT INSTRUCTOR/TRAINER** (Qualification). Enter the name of the FI or trainer and aircrew qualification. Print first initial, last name, highest qualification (i.e. IH, IA). There is no requirement to sign your name in this block. (i.e. J. Doe, IA)

A2.2.2.5. **TRAINING TIME**. Time spent training in hours and tenths. Do not include time normally associated with pre-brief and debrief. Single GT period will not exceed eight hours.

A2.2.3. **TRAINING PERIOD DESIGNATORS**. AE will utilize "GT" designator for ground training, ATD training, or "AT" for academic events as described in the appropriate training syllabus.

A2.2.4. **WRITTEN EVALUATIONS**. (If applicable).

A2.2.4.1. **DATE**. Enter the date the written evaluation was satisfactorily completed (i.e. 1 Jan 01).

A2.2.4.2. **TYPE**. Enter the AFI 11-202v2 description or other appropriate identifier. This includes initial open (Q001) and closed (Q002) book exams and FI open book exam to include BOLDFACE EXAM.

A2.2.4.3. **GRADE**. Enter according to AFI 11-202v2.

A2.2.5. **PERFORMANCE EVALUATION SUMMARY**. Record data on required evaluations including re-evaluations (if applicable).

A2.2.5.1. **DATE RECOMMENDED**. Enter date recommended for a flight evaluation (i.e. 1 Jan 01).

A2.2.5.2. **TYPE EVALUATION**. Evaluation description identifier IAW AFI 11-2AEv2 or other appropriate identifier.

A2.2.5.3. **INSTRUCTOR** (Qualification). Enter the name and aircrew qualification of the instructor recommending the student for an evaluation. Print first initial, last name and highest qualification. (i.e. J. Doe, IH)

A2.2.5.4. **OPERATIONS REVIEW**. Following the recommendation for flight evaluation, the Sq/CC, Sq/DO, CN or Superintendent will initial indicating a records review has been accomplished prior to the evaluation. A write-up and signature will also be required on the AF Form 4023. **NOTE:** If training is scheduled to be completed and the student is recommended for the evaluation away from home station, the operations review must be accomplished prior to departure.

A2.2.5.5. **DATE EVALUATED**. Enter the date the evaluation was completed.

A2.2.5.6. **EVALUATOR**. Self-explanatory.

A2.2.5.7. **GRADE**. Enter according to AFI 11-2AEv2.

A2.2.6. **FLYING TRAINING (FT) SUMMARY**. This section provides a chronological record of flying training sorties. Log all sorties scheduled even if canceled by external factors.

A2.2.6.1. **DATE**. Day, month, year format (e.g. 1 Jan 01).

A2.2.6.2. **TRAINING PERIOD**. Use sequential periods (i.e. S-1, O-2, Sim-3). Complete one   training period before moving on to the next sequential event. AE will only utilize "S - Locally scheduled training mission Trainer, O - Operation training, and/or SIM - Static training mission" designators for flight training.

A2.2.6.3. **STATUS**. If the scheduled training period was not completed due to external factors (i.e. weather or maintenance), an "INC" will be entered in the status block along with the proper identifier ("WX-weather", "MX-maintenance"). Leave blank if not used.

A2.2.6.4. **FLIGHT INSTRUCTOR/TRAINER** (Qualification). Enter the name and aircrew qualification of the instructor. Print first initial, last name and highest qualification (i.e. IA, IH). There is no requirement to sign your name in this block. (i.e. J. Doe, IA)

A2.2.6.5. **MISSION TIME**. Enter the total flight time in the top half of the block. Lower half of block is used to document total FT in primary crew position. Log all flying sorties scheduled, even if cancelled for MX or WX.

A2.2.6.6. **CUMULATIVE TIME**. Enter the total cumulative flight time in the top half of the block. Lower half of block is used to document total FT in primary crew position.

Figure A2.1. AF Form 4022 (page2), Ground Training Summary.

Figure A2.2. AF Form 4022 (page3), *Flying Training Summary.*

			FLYING TRAINING SUMMARY				
Date	TRAINING PERIOD or SORTIE	STATUS	Instructor/Trainer *(QUAL)*	Mission Time	Cum Time	**Cumulative Time:** Total cumulative mission time in the top half of the block. Lower half is used for cumulative primary crew position time.	
15 Jan 01	O-1		W. Rule (IA)	4.0 / 2.0	4.0 / 2.0		
17 Jan 01	O-2		E. Anderson (IA)	2.0 / 2.0	6.0 / 4.0	**Mission Time:** Total mission time in the top half of the block. Lower half of the block is used to document FT in primary crew position. Log all flying sorties scheduled, even if cancelled for MX or WX.	
21 Jan 01	S-3	INC-MX or WX	E. Anderson (IA)	0.5 / 0	6.5 / 4.0		
28 Jan 01	S-3		W. Rule (IA)	4.0 / 4.0	10.5 / 8.0		
31 Jan 01	O-4		W. Rule (IA)	6.0 / 6.0	16.5 / 14.0		

Date: Day, Month, Year format

TRAINING PERIOD/STATUS: Use sequential periods (i.e. O-1, O-2, S-3). Complete one training period before moving on to the next sequential event.

INSTRUCTOR/TRAINER (QUAL): First initial, Last Name, highest qualification (IA, IH). Name is to be PRINTED as sample above. There is no requirement to sign name in this block.

A2.3. Instructions for AF Form 4023, *Aircrew Training Progress Report***:** This form provides a narrative description of training events and is also used for documenting operations review of training progress. File AF Forms 4023 on left side of AF Form 4022 in order with the most recent GT/FT on top. (See **Figure A2.3**)

A2.3.1. **TRAINING PERIOD and DATE (Block 1)**. Training period is ground or flight (i.e. AT-1, GT-2, GT-3, O-1, etc.). Date will be in day, month, year format, (i.e. 1 Jan 01).

A2.3.2. **AT**, **GT, FT, and ATD (Blocks 2, 4, and 6)**. Annotate the amount of time spent on training. A running total (Items 3, 5, and 7) is obtained by adding previous totals to current training period time. Classroom academic training periods will be annotated as AT and tabulated under the ground training block.

A2.3.3. **TOTAL TRAINING TIME (Block 8)**. Keep a running total of all training time (add Items 3, 5, and 7) by adding previous totals to the current training period time period.

A2.3.4. **REMARKS/RECOMMENDATIONS (Block 9)**. Describe the training scenario to accurately document each event. Comments will elaborate on trainee strengths, weaknesses, indicate student progress, identify problem areas, and record unusual circumstances. Recommendations will be specific and include tasks requiring further training and the type of training required. If more space is required for annotating remarks, draw vertical arrows through the signature section (blocks 10-12) and through sortie information heading section (blocks 1-8) and continue remarks in the next block 9.

A2.3.5. **FLIGHT INSTRUCTOR (Block 10)**. FIs will print and sign their name, highest qualification, and rank.

A2.3.6. **STUDENTS (Block 11)**. Students will print and sign their name and annotate their rank.

A2.3.7. **REVIEWER (Block 12)**. Reviewer will print and sign their name and indicate their duty title.

A2.3.7.1. Monthly Reviews. In addition to reviewing all AF Form 4023 entries, the flight commander or squadron training representative will conduct a monthly review of active status AF Forms 4022. Document reviews on an AF Form 4023. Write comments concerning the trainee's progress, status, or recommendations in the mission, observations, and recommendations block.

A2.3.7.2. Quarterly Reviews. In addition to the monthly reviews, the Sq/CC, Sq/DO, CN or Superintendent will conduct quarterly reviews of active status AF Forms 4022. Document reviews on an AF Form 4023. Write comments concerning the trainee's progress, status, or recommendations in the mission, observations, and recommendations block.

A2.3.7.3. Operations Review. Sq/CC, Sq/DO, CN or Superintendent will conduct operations reviews of active status AF Forms 4022 prior to the initial flight evaluation. Document review on an AF Form 4023 and initial Operations Review on the inside left of the AF 4022. Leadership will ensure required training events have been satisfactorily completed and concur with individual proceeding to evaluation.

A2.3.7.4. Monthly and quarterly reviews are not required for FTU courses except in documented cases of unsatisfactory progress. FTU personnel will review the student's records and ensure all required training is completed prior to entering flight training. If problems are encountered during the flying phase, the FTU will conduct reviews necessary to document unsatisfactory progress.

A2.3.7.5. AF Form 4023 will be completed and reviewed by the student prior to his or her next training period.

A2.4. Instructions for AF IMT Form 4024, *Aircrew Training Accomplishment Report***:** This form tracks, for each sortie, individual event and task accomplishment and grades. Ground and flight training events may be combined on a single AF Form 4024 provided they are separated in the SORTIE and DATE row/columns sequentially. Maintain AF IMT Forms 4024 on the right side of AF Form 4022. Refer to AMC/A3T CoP to download AF IMT Form 4024 for use. Units, at a minimum, will use the HQ AMC approved AF IMT Form 4024 overprint. Units will supplement this instruction with unit specific overprints identifying unit specific Training Event/Task listing, total number of repetitions required, and the Required Proficiency Level (RPL) for any additional unit specific Training Event/Task.   **NOTE:** The AF IMT Form 4024 may be used for ATS and formal school courses at their discretion. If additional forms are needed, see AFI 37-160, Volume 8, *Air Force Publications and Forms Management Program Developing and Processing Forms* for guidance. The AF IMT Form 4024 can be downloaded from the A3TM AE CoP.

A2.4.1. **NAME**. Print last name, first name, middle initial and rank (i.e. Doe, John E. Sgt).

A2.4.2. **CREW POSITION**. Self-explanatory. For aircrew members in an upgrade program, enter the aircrew position to which they are obtaining qualification for (i.e. IH/IA or MH/MA).

A2.4.3. **COURSE/PHASE**. Print appropriate phase of training (i.e., INIT QUAL/MSN).

A2.4.4. **SORTIE/TRAINING**. Use sequential period (i.e. GT-1, S-1, AT-2, O-2 etc.).

A2.4.5. **DATE**. Day, month, year format (i.e. 1 Jan 01).

A2.4.6. **TRAINING EVENT AND TASK LISTING**. Reflects the tasks and sub-tasks in the training program that require specific student performance or knowledge proficiency standards.

A2.4.7. **NUMBER ACCOMPLISHED.** (# ACCM) Reflects the number of times an event was accomplished on that sortie/training period.

A2.4.7.1. "1" – Reflects the number of times an event was accomplished during GT or FT.

A2.4.8. **GRADE**. Enter a "P", "S", or "U" as appropriate (see **Figure A2.3**).

A2.4.8.1. "P" – Proficient; crewmember has achieved the required proficiency level.

A2.4.8.2. "S" – Satisfactory; crewmember has not achieved the required proficiency level but progress is satisfactory.

A2.4.8.3. "U" – Unsatisfactory; crewmember was previously proficient, but has regressed or progress is unsatisfactory.   **NOTE:** USAFSAM initiated AF IMT Form 4024 is a stand-alone document that will accompany the student back to the unit to document academic training accomplished at the school. It will be placed in the AF Form 4022, (Training Folder) for historical reference. The USAFSAM initiated AF IMT Form 4024 will not be used for continuing documentation at the unit level.

A2.4.9. **TOTAL NUMBER REQUIRED**. Indicates the total repetitions of an event or task required to meet required proficiency level. The total number required will be determined by the unit leadership.

A2.4.10. **TOTAL NUMBERED ACCOMPLISHED**. Total number of repetitions actually accomplished.

A2.4.11. **REQUIRED PROFICIENCY LEVEL (RPL).** RPL for the specific event and task. Each event and task will have a performance standard designated for the required proficiency level the crewmember must achieve. In addition, each event and task may have (optional) knowledge standard designated and used in the same manner as a performance standard. The Required Proficiency Level will be based upon the knowledge or performance standard established by HQ AMC. Performance and knowledge standards are listed in **Table A2.1**.

A2.4.11.1. Regression. Once a crewmember has received "P" for an event, the only subsequent grade allowed is either "P" or "U". Regression occurs when a maneuver is graded "U" after having achieved "P" in the same task. Regression from a "P" to a "U" requires an explanation on the AF Form 4023. The overall grade is at the FI's discretion. For regression, the student will re-obtain proficiency prior to the end of the block of training in order to be recommended for an evaluation.

A2.4.11.2. Proficiency Advance. In order to recommend a crewmember for an evaluation, the final grade for each event will meet the RPL and the total number accomplished will normally meet or exceed the Total Number Required. *EXCEPTION:* Highly proficient crewmembers may be "proficiency advanced" and the total number accomplished may be less the Total Number Required, with an explanation annotated on AF Form 4023.

Table A2.1. Event and Task Performance Standard.

Event And Task Performance Standard		
Code	Performance is:	Definition:
1	Extremely Limited	Individual can do most activities only after being told or shown how.
2	Partially Proficient	Individual can do most of the behaviors, but not necessarily to the desired levels of speed, accuracy, and safety.
3	Proficient	Individual can do and show others how to do the behavior in an activity at the minimum acceptable levels of speed, accuracy, and safety without the assistance of an instructor. For copilots, proficiency may involve actual aircraft control or copilot duties only. For instructors, proficiency includes the ability to demonstrate, instruct, and supervise ground and flight activity.
4	Highly Proficient	Individual can do behaviors in an activity at the highest level of speed, accuracy and safety.
Event And Task Knowledge Standard		
Code	Knowledge of:	Definition:

a	Facts and Nomenclature	Individual can identify basic facts and terms about the subject and when used with a performance code, can state nomenclature, simple facts, or procedures involved in an activity.
b	Principles and Procedures	Individual can explain relationship of basic facts and state general principles about the subject and when used with a performance code, can determine step-by-step procedures for sets of activities.
c	Analysis, and Operating Principles	Individual can analyze facts and principles and draw conclusions about the subject and when used with a performance code, can describe why and when each activity must be done and tell others how to accomplish activities.
d	Evaluation and Complete Theory	Individual can evaluate conditions and create new rules or concepts about the subject and when used with a performance code, can inspect, weigh, and design solutions related to the theory involved with activities.

Figure A2.3. AF Form 4024, *Aircrew Training Accomplishment Report.*

AIRCREW TRAINING ACCOMPLISHMENT REPORT																							
NAME						**CREW POSITION**							**COURSE/PHASE**										
Last, Name MI						MA/MH							INIT QUAL/MSN										
DATE											Print appropriate phase of training (INIT QUAL/MSN, RQ, etc.)				**TOT AL NO.**								
SORTIE	GT-1		AT-2		O-1		GT-3																
TRAINING EVENT/ TASK LISTING	# A C	G R A	# A C	G R A	# A C	G R A	# A C	G R A	# A C	G R A	# A C	G R A	# A C	G R A	# A C	G R A	R E Q	# A C	**REQ** **PROF**				
1. PERSONAL REQUIREMENTS																							
a. Aircrew Uniform																		3b				
b. No-go Items																		3b				
c. Scheduling Restrict																		3b				
d. FCIF library																		3b				
2. AIRCRAFT OPERATIONS																							
A. Safety Considerations																							
a. Aircraft Security/Safety	1	S	1	S	1	S												3b				
b. Refueling Operations	1	S	1	S	1	S												3b				
c. Vehicle Movement	1	S	1	S	1	S												3b				
d. CFR Requirements	1	P	1	U	1	S	1	P										3b				
B. Aircraft Emergencies																							
a. Emergency Signals																		3b				
b. Rapid Decompression																		3b				
c. Emergency Crash Landing																		3b				
d. Ditching																		3b				
e. Fuselage Fire/Smoke-Fumes																		3b				
f. In-flight Door Warning Light																		3b				
a. Ground Exits (to include chopping areas																						
C-130																		3b				
C-17																		3b				
KC-135																		3b				
C-21																		3b				
b. Ditching Exits																						
C-130																		3b				
C-17 (to include FEDS)																		3b				
KC-135																		3b				
C-21																		3b				

Callout boxes within the form:

Training Period Designator — Use sequential period (i.e. GT-1, AT-2)

Total Required — Total of repetitions required to meet RPL established by the unit

Number Accomplished — Reflects the number of times an event was accomplished during GT or FT

Event Grades WILL BE "S", "P", or "U" for all events

"S" – **Satisfactory**: Crewmember has not achieved the required proficiency level but progress is satisfactory.

"P" – **Proficient**: Crewmember has achieved the required proficiency level.

"U" – **Unsatisfactory**: Crewmember was previously proficient but had regressed or progress is unsatisfactory. Once a crewmember has received "P" for and event ONLY subsequent grade allowed is either "P" or "U". Any event graded "U" must have an associated remark on AF Form 4023.

For equipment not in squadron inventory, N/A will be written in the block.

GRADE vs. RPL
DO NOT GIVE A GRADE OF "C" OR "3"

The Required Proficiency Level will be based upon the knowledge of performance standard (A, B, C, D or 1, 2, 3, 4) respectively. Grades given for each event taught to a specific level will be graded with and "S", "P", "U".

A2.5. Instructions for AF Form 4025, *Aircrew Summary/Closeout Report*:

A2.5.1. Anytime a training folder is initiated; a summary and close-out report will be completed by the squadron training officer, primary FI or designated representative detailing the individual's strengths, weaknesses, overall performance, and other pertinent information. This report will be filed in the crewmember's AF Form 4022. AF Form 4025 will be completed in ink or typed.

A2.5.2. SQ/CC or Sq/DO, CN, or Superintendent will ensure the comments on this form do not reflect personal opinions or biases. All comments must be supported by information contained in AF IMT Forms 4023 and 4024. At formal schools, the instructor will accomplish the AF Form 4025 and the Sq/CC's signature is optional.

A2.5.3. **NAME, RANK**. Print last name, first name, middle initial and rank (i.e. Doe, John E. SSgt).

A2.5.4. **CREW POSITION**. For aircrew members in an upgrade program, enter the aircrew position to which they are obtaining qualification/certification (i.e. MH, IA, EA, etc.).

A2.5.5. **TYPE TRAINING**. Enter formal course title. For other types of training, enter a descriptive identifier, IAW AFI 11-202v2 (i.e., INIT QUAL/MSN, INSTR).

A2.5.6. **TRAINING TIMES**

A2.5.6.1. GT Total. Enter total ground training from AF Form 4022 or 4023.

A2.5.6.2. Fly Total. Enter total flying time from AF Form 4022 or 4023.

A2.5.6.3. ATD Total. Enter total ATD time from AF Form 4023.

A2.5.7. **DATE, STRENGTHS, WEAKNESSES, OVERALL PERFORMANCE and OTHER PERTINENT INFORMATION**. Local overprints are authorized.

A2.5.8. **FLIGHT COMMANDER.** Flight Commander, OIC or NCOIC Aircrew Training signs.

A2.5.9. **SQUADRON COMMANDER/OPERATIONS OFFICER.** Sq/CC, Sq/DO, Chief Nurse or Superintendent signs.

A2.6. Training folders:

A2.6.1. Training folders will be maintained by the aircrew training office for one year. At the end of one year, AET AF Form 4022 contents (AF IMT Forms 4023, 4024 and 4025) will be placed in the CFETP and FN AF Form 4022 contents will be placed in the CAF.

Figure A2.4. AF Form 4025, *Aircrew Summary/Close-Out Report.*

AIRCREW SUMMARY/CLOSE-OUT REPORT

NAME, RANK	CREW POSITION	TYPE TRAINING
Student, Smarto E. SSgt	(MH, IH, MA or IA)	INIT QUAL/MSN

GT TOTAL	FLY TOTAL	ATD TOTAL
48.7	108.6	34.2

OVERALL PERFORMANCE, STRENGTHS, WEAKNESSES, ETC.

DATE:

GT Total: Add total Ground Training time and enter into block.

FLY Total: Add total flight time and enter into block.

ATD Total: Add total ATD time and enter into block.

STRENGTHS:

WEAKNESSES:

For each formal training program a summary closeout report will be completed detailing the individual's strengths, weaknesses, overall performance, and other pertinent information. Start this section with the date. Form is initiated after flight evaluation.

OVERALL PERFORMANCE:

Flight commander, OIC/NCOIC aircrew training signs.

Sq/CC, Sq/DO, CN or Superintendent signs (See A2.5.2 and A2.5.9)

OTHER PERTINENT INFORMATION:

FLIGHT COMMANDER	SQUADRON COMMANDER/OPERATIONS OFFICER
Justin D. Time Capt	R. Folks Maj