



*Flying Operations*

**EC-137D AIRCREW TRAINING**

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This instruction and AFI 11-202v1, *Aircrew Training*, establish AFSOC standards for qualification, mission qualification, continuation, and upgrade training for aircrew members operating AFSOC EC-137D type aircraft. This instruction implements AFD 11-2, *Aircraft Rules and Procedures*, and AFD 11-4, *Aviation Service*. This instruction is not applicable to the Air National Guard or Air Force Reserve Command.

This instruction requires the collection, maintenance, or dissemination of information protected by the Privacy Act of 1974. When personal information is collected, personnel will be provided with a Privacy Act Statement. Authorities for maintenance of this system are 37 U.S.C. 301a, Public Law 92-204, Public Law 93-570, Public Law 93-294, DOD Directive 7750.57, AFI 36-2212, and E.O. 9397. System of Records No. F011 AF XO A applies. The Paperwork Reduction Act of 1974 as amended in 1996 affects this instruction. Also, the Air Force Forms Management Program IAW AFI 37-160V8, *The Air Force Publications and Forms Management Program - Developing and Processing Forms*, affects this instruction.

**SUMMARY OF REVISIONS**

This interim change (IC) 2001-1 deletes paragraphs 5.9.4.2 and 5.9.4.2.1, changes paragraph **5.9.4.**, adds paragraph **A2.2.23.** Use of Force, and corrects **Table 4.1. Ground Training Requirements**. See the last attachment of the publication for the complete IC. A “|” indicates revision from the previous edition.

**Chapter 1—POLICY 5**

- 1.1. General. .... 5
- 1.2. Training Objective. .... 5
- 1.3. Responsibilities: .... 5
- 1.4. Aircrew Training Policy: .... 5
- 1.5. Active Duty Service Commitments. .... 6
- 1.6. Waivers. .... 6
- 1.7. Supervisory Aircrew: .... 7
- 1.8. Intracommand and Intercommand Transfer of Aircrews. .... 8
- 1.9. Unit/Theater Indoctrination Training. .... 8
- 1.10. Initial Cadre for Change of Aircraft, Equipment, or Capability. .... 8
- 1.11. Training Records. .... 9
- 1.12. Unit Aircrew Capability. .... 9
- 1.13. Changes. .... 9
- 1.14. Publication Administration. .... 9

**Chapter 2—QUALIFICATION TRAINING (PHASE I) 10**

- Section 2A Scope 10
  - 2.1. Overview. .... 10
  - 2.2. General Requirements. .... 10
  - 2.3. Time Period for Qualification. .... 10
- Section 2B Prerequisites 10
  - 2.4. Training Prerequisites. .... 10
- Section 2C Ground Training Requirements 10
  - 2.5. Ground Training Requirements: .... 10
- Section 2D Flying Training Requirements 11
  - 2.6. Flying Training Requirements. .... 11
- Section 2E Aircraft Conversion Training 11
  - 2.7. Phase One Conversion Training Requirements. .... 11

**Chapter 3—MISSION QUALIFICATION TRAINING (PHASE II) 12**

- Section 3A Scope 12

3.1. Overview. ....	12
3.2. General Requirements. ....	12
3.3. Time Period for Mission Qualification. ....	12
Section 3B Ground Training Requirements	12
3.4. Ground Training Requirements. ....	12
Section 3C Flying Training Requirements	13
3.5. Flying Training Requirements. ....	13
<b>Chapter 4—CONTINUATION TRAINING (PHASE III)</b>	<b>14</b>
Section 4A General	14
4.1. General Requirements: ....	14
4.2. Prerequisites. ....	14
4.3. Training Requirements: ....	14
4.4. Recurrency/Requalification Training. ....	15
Section 4B Ground Training Requirements	15
4.5. General Information. ....	15
4.6. Use of the Air Force Operations Resource Management System (AFORMS). ....	16
Section 4C Flying Training Requirements	16
4.7. Instructor/Evaluator Training Requirements. ....	16
Table 4.1. Ground Training Requirements. ....	17
Table 4.2. Prorata Training Requirements. ....	20
Table 4.3. Semiannual Basic Qualification Flying Training Requirements. ....	21
Table 4.4. Semiannual Mission Ready Flying Requirements. ....	21
Table 4.5. Aircraft Recurrency and Requalification Requirements. ....	22
Table 4.6. Mission Recurrency and Requalification Requirements. ....	22
Table 4.7. Special Mission Event Recurrency and Requalification Requirements. ....	22
<b>Chapter 5—UPGRADE/SPECIALIZED TRAINING</b>	<b>23</b>
Section 5A General	23
5.1. Scope. ....	23
5.2. Time Period for Qualification. ....	23

Section 5B	Instructor/Flight Examiner Upgrade	23
5.3.	Aircrew Instructor Program. ....	23
5.4.	Instructor Qualifications. ....	23
5.5.	Instructor Responsibilities: ....	23
5.6.	Instructor Upgrade Prerequisites: ....	24
5.7.	Ground and Flight Training Requirements. ....	25
5.8.	Flight Examiner Upgrade. ....	25
Section 5C	Special Qualification Training	25
5.9.	General. ....	25
Table 5.1.	Special Mission Evaluations and Instructor Certified Events. ....	26
<b>Attachment 1—</b>	<b>GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION</b>	<b>27</b>
<b>Attachment 2—</b>	<b>AFORMS TRAINING EVENT IDENTIFIERS AND DESCRIPTIONS</b>	<b>31</b>
<b>Attachment 3—</b>	<b>AIRCREW TRAINING RECORD</b>	<b>36</b>
<b>Attachment 4—</b>	<b>TEXT OF IC 2000-1</b>	<b>41</b>
<b>Attachment 5—</b>	<b>IC 2000-2 TO AFI 11-EC-137, Volume 1, EC-137D Aircrew Training</b>	<b>42</b>
<b>Attachment 6—</b>	<b>IC 2001-1 TO AFI 11-2EC-137, Volume 1, EC-137D Aircrew Training</b>	<b>46</b>

## Chapter 1

### POLICY

**1.1. General.** This instruction provides for training management of Air Force Special Operations Command (AFSOC) and AFSOC-gained EC-137D type aircrew members. It implements AFD 11-2, *Aircraft Rules and Procedures*, and AFI 11-202V1, *Aircrew Training*, which are affected by the Privacy Act of 1974. Training policy, guidance, and requirements are set forth for each phase of aircrew training. The phases are progressively designed to develop the combat readiness of each aircrew member while maintaining previously acquired proficiency.

1.1.1. Qualification Training (**Chapter 2**) qualifies aircrew members for basic aircrew duties.

1.1.2. Mission Qualification Training (**Chapter 3**) qualifies aircrew members in their unit mission.

1.1.3. Continuation Training (**Chapter 4**) provides the capability for aircrew members to reinforce and build upon previous training and conduct mission oriented aircrew training designed to enhance and maintain mission readiness.

1.1.4. Upgrade/Specialized Training (**Chapter 5**) upgrades pilots to DV Mission aircraft commanders, air refueling aircraft commanders and all aircrew members to instructor and flight examiner. It also qualifies selected aircrew members in specialized mission operations.

**1.2. Training Objective.** The overall objective of the aircrew training program is to develop and maintain a high state of mission readiness, facilitating immediate and effective employment in exercises, contingencies, limited war, and general war operations.

### 1.3. Responsibilities:

1.3.1. Headquarters AFSOC, in coordination with Headquarters United States Special Operations Command (USSOCOM), will establish and supervise an aircrew training program consistent with the policies and requirements of this regulation.

1.3.2. Commanders at each level will comply with the policies and intent of this regulation, ensure that safety is not compromised, and monitor aircrew training to ensure these programs are both aggressively and realistically designed and executed. Aircrew personnel engaged in qualification, requalification, or upgrade training will complete their training in a timely and uninterrupted manner. Aircrew members entered in any training program leading to qualification or requalification in the basic crew position will be dedicated to that program on a full time basis. They will be relieved of all other duties not directly related to the training.

1.3.3. Supervisors will identify areas where additional training is needed and direct unit training accordingly. They will initiate action to obtain necessary training support from the appropriate office or headquarters as soon as the need for assistance becomes apparent. Supervisors will ensure mission objectives are prebriefed, debriefed, and evaluated to ensure successful mission accomplishment. They will also initiate waiver requests of training requirements through appropriate channels when facilities and support are not available (see paragraph **1.7.**).

### 1.4. Aircrew Training Policy:

1.4.1. USAF policy is that formal schools will be used when available unless attendance would be impractical. AFCAT 36-2223, *USAF Formal Schools*, lists the courses available for student attendance and where courses are conducted. No formal schools are available for this weapon system. The primary method of training will be through in-unit qualification training using the AF Forms 4111, **Special Operations Training Record**, and appropriate instructor guides. The initial qualification ground and simulator training is conducted via approved contract training programs.

1.4.2. The number of training tasks in the appropriate training guide is a recommended minimum, which normally allows the student to achieve proficiency. It is not intended to restrict the number of times the task must be accomplished, nor is it intended to prohibit proficiency advancing an exceptional trainee.

1.4.3. Except where specifically covered by this instruction, the instructor pilot will be in a pilot's seat for:

1.4.3.1. All basic pilot qualification training.

1.4.3.2. Pilot inflight refueling qualification from the precontact position or closer.

1.4.3.3. Other times required by applicable operational instructions or at the discretion of the instructor pilot.

**1.5. Active Duty Service Commitments.** Formal training conducted per this instruction, resulting in initial qualification, requalification, or upgrade in crew position, will incur an active duty service commitment per AFI 36-2107. For Officer and Enlisted aircrew members, in unit training substituting for an AFCAT 36-2223 course (full or part time), which changes the individual's crew qualification (i.e. awards a new AFSC, including prefixes and suffixes) is an ADSC incurring event (EXCEPTION: Upgrade to Flight Examiner). Miscellaneous upgrades, which only qualify a crew member in specific mission profiles (i.e. Air Refueling, etc.), are not considered ADSC incurring events. Unit training officers will coordinate with the servicing Military Personnel Flight (MPF) to ensure the individual acknowledges the ADSC to be incurred by signing the AF Form 63, **Officer/Airman Active Duty Service Commitment Counseling Statement**. This action will occur prior to the individual entering training. Upon course completion, the unit training officer will notify the MPF the individual has completed training and the MPF will update the ADSC in the Personnel Data System (PDS). Note: due to the extended nature of some in-unit upgrades, ADSC will be effective upon completion of the training or 120 days after the first flying event, whichever occurs first.

**1.6. Waivers.** Except as provided for in this instruction, training directed by this instruction may only be reduced or waived by HQ AFSOC/DOV. Unit DOT will submit waiver requests through the appropriate channels to HQ AFSOC/DOV.

1.6.1. Provide the following information in a waiver request:

1.6.1.1. Identify waiver type (include paragraph requiring waiver action).

1.6.1.2. Full name and grade of individual requiring waiver.

1.6.1.3. Unit of assignment (if attached, provide flying unit attached to also).

1.6.1.4. Current crew qualification, including special mission qualifications (if applicable).

1.6.1.5. Total flying time/PAA time including instructor/evaluator time (if applicable).

- 1.6.1.6. Crew qualification to which aircrew member is qualifying or upgrading (if applicable).
- 1.6.1.7. Scheduled training start date (if applicable).
- 1.6.1.8. Expected qualification or upgrade completion date (if applicable).
- 1.6.1.9. Date event last accomplished (if applicable).
- 1.6.1.10. Explanation of reason for waiver.
- 1.6.1.11. Requesting unit point of contact (include name, rank, office symbol, and telephone number).
- 1.6.1.12. If the training requires an ADSC per para **1.5**, include the statement “Individual acknowledged receipt of ADSC by signing AF Form 63 on <date AF Form 63 signed >.”

1.6.2. Items listed below may be waived at the level indicated:

- 1.6.2.1. The wing/group commander may waive 10 percent of the total and primary assigned aircraft hours required for upgrade in all crew positions. A copy of the waiver must be filed in the individual's training record.
- 1.6.2.2. Wing/group commanders may extend individual currency eligibility periods up to 2 months for **Table 4.1**, requirements (except for Flight Physical and Physiological Training) for reasons of crewmember nonavailability. Notify HQ AFSOC/DOV in writing when waivers or extensions are issued.
- 1.6.2.3. Wing/group commanders may waive flying currency items in **Table 4.3**, and **Table 4.4**, on an individual basis only. Wings/groups must keep an accurate record of waivers granted. Notify HQ AFSOC/DOV in writing when waivers are issued.
- 1.6.2.4. Waivers that do not fall within the guidelines above must be submitted using the format in paragraph **1.6.1**.

## 1.7. Supervisory Aircrew:

- 1.7.1. General officers obtain qualification IAW AFI 11-202V1.
- 1.7.2. The following semiannual currency requirements will be flown in an aircraft in which the general officer is qualified:

	<b>Pilot</b>	<b>Other</b>
Sorties	6	6
Takeoff/Approach/Landing	6 each	N/A

- 1.7.3. General officers in authorized flying positions (RPI 6 or 8) who are not qualified in a unit aircraft may receive familiarization through either the Senior Officer Course (SOC), Commanders and Key Staff Officer Course, or a equivalent prior to flying the unit aircraft. The individual will have a current flight physical, physiological training, and egress training prior to their first sortie. General officers flying unit aircraft in which they receive familiarization through one of the above methods will log “OP” or “Other” time.

1.7.4. General officers will fly with an instructor unless qualified in that aircraft. General officers who are not qualified in the aircraft will not have access to the controls when passengers are on board the aircraft.

1.7.5. Officers in the rank of colonel and below in an authorized supervisory flying position (RPI 6, RPI 8) will maintain either basic qualification, basic mission capable, or mission ready status, and meet the appropriate ground and flying requirements outlined in [Chapter 4](#).

**NOTE:** Flying squadron commanders and operations officers will maintain mission ready status.

**1.8. Intracommand and Intercommand Transfer of Aircrews.** Validated training completed prior to transfer is honored by the gaining organization and is used to determine the appropriate training phase where the newly assigned aircrew member is placed. Aircrew members qualified in the same mission design series (MDS) of one unit are considered qualified in that equipment throughout the force when used for the same mission.

**1.9. Unit/Theater Indoctrination Training.** Prior to performing unsupervised primary aircrew duties, each newly assigned aircrew member will complete a unit/theater indoctrination program. This training is a requirement for all newly assigned and attached aircrew members. Each unit will publish a directive outlining specific ground and flight requirements. Design this training to prepare aircrew members for theater operations. This training will: familiarize them with local flying area and facilities/support agencies available, introduce any theater/mission unique procedures, and review all theater unique instrument requirements.

1.9.1. The instrument portion will include theater instrument requirements and procedures, the use of MAJCOM approved non-DOD instrument approach procedures, required instrumentation for specific approaches and theater weather conditions. Document unit/theater indoctrination training in AFORMS for assigned and attached personnel

**1.10. Initial Cadre for Change of Aircraft, Equipment, or Capability.** When possible, qualified personnel in other units operating like equipment will provide the initial cadre. In some instances, it will be necessary for units converting from one design aircraft to another to form an initial cadre of aircrew personnel for whom certain training qualification requirements may be waived. Authorization to form initial cadre crews will be contained in the conversion program action directive. The following conditions will apply to management of initial cadre aircrew qualification:

1.10.1. A nucleus of instructor and flight examiner personnel (initial cadre) will be formed to begin aircrew conversion. Converting units send proposed initial cadre list by name, rank, current crew position and aircraft, total flying time, and requested crew qualification level through channels to HQ AFSOC/DO for approval.

1.10.2. Initial cadre won't be designated in a crew position higher than currently held for example EC-137D aircraft commander to EC-137D. Enter appropriate comments in the remarks section of AF Form 8, **Certificate of Aircrew Qualification**, explaining the individual's status as initial cadre instructor or flight examiner.

1.10.3. Following final approval, publish a squadron letter to identify initial cadre instructors and flight examiners by aircraft and crew qualification and file in each cadre individual's flight evaluation folder (FEF).

**1.11. Training Records.** Use AF Form 4109, **Special Operations Aircrew Training Folder**, to document the qualification, requalification, specialized training, or upgrade of an aircrew member. This record and attached forms will provide a chronological record of qualification or upgrade training administered by a formal flight training school or a unit of assignment and serves as a minisyllabus. It documents all applicable ground training, special function training, part task training, cockpit procedures training, simulator training, and flying training accomplished by an aircrew member. Instructions for completing and managing training records are contained in Chapter 6.

1.11.1. InUnit Qualification/Upgrade Training. Training personnel in the unit of assignment will prepare an AF Form 4109 folder prior to beginning unit level training.

**1.12. Unit Aircrew Capability.** Squadrons will maintain mission ready status on all primary aircrew members up to unit authorizations. Commanders will ensure aircrews are trained to meet capabilities specified in unit designed operational capability (DOC) statements. Supervisory aircrew and staff members assigned above squadron level which are in excess of the units mission requirements will maintain mission ready, mission capable, or basic qualification status, as directed by their commander.

**1.13. Changes.** Recommendations for improvement to this instruction are encouraged. Send to HQ AFSOC/DOV, through command channels, on AF Form 847, **Recommendation for Change of Publication**.

**1.14. Publication Administration.** All instructors and evaluators are authorized this instruction. If required by mission or location, write unit supplements. Send copies to HQ AFSOC/DOV, 100 Bartley Street, Suite 250, Hurlburt Field, FL 32544-5273.

## Chapter 2

### QUALIFICATION TRAINING (PHASE I)

#### *Section 2A—Scope*

**2.1. Overview.** This chapter outlines the minimum requirements for qualification, requalification if non-current for over two years, and conversion training for all pilots and engineers in the EC-137D aircraft. FAs and CSOs will receive training IAW **Chapter 3** of this instruction. Commanders will ensure aircrew members completing qualification training meet the requirements of this chapter.

**2.2. General Requirements.** Formal school is not available for this qualification. All assigned and attached aircrew members will complete the requirements outlined in the applicable training record (AF Form 4111) for this instruction. The primary method of qualification in the EC-137D aircraft is to complete an in-unit training program of qualification. All crewmembers will comply with the physical, physiological, and administrative requirements for individuals performing flying duties specified in AFI 11-202V1. PACOC Training should be completed prior to qualification evaluation. Prior to qualification or performing unsupervised primary aircrew duties, newly assigned personnel must complete a unit/theater indoctrination program per **Chapter 1** of this instruction.

2.2.1. Following a successful flight evaluation, pilots and engineers assume mission ready status. Pilots may fly as a copilot on any mission or as an aircraft commander on all missions except DV missions code 6 or higher or missions that require inflight refueling.

**2.3. Time Period for Qualification.** Pilots and flight engineers will start unit qualification training within one month of the completion of simulator training. Qualification training will be completed within 6 weeks of start of the first unit training event for pilots and flight engineers. If these times are exceeded, the unit DO will make an entry in the individual's training record to document the circumstances necessary for an extension. Individuals unable to complete qualification within these limits may continue training; however, their units will notify HQ AFSOC/DOV through appropriate channels with a description of the difficulty and expected qualification date.

#### *Section 2B—Prerequisites*

**2.4. Training Prerequisites.** Aircrew members qualifying or requalifying in the aircraft will comply with the appropriate AFCAT 36-2223 qualification course prerequisites and incur an active duty service commitment for qualification IAW AFI 36-2107. If there is not a separate requalification course, these aircrew members will comply with the initial course prerequisites.

2.4.1. Pilots require prior aircraft commander experience before entry into initial qualification training. Requirements and syllabi are based on prior aircraft commander experience.

#### *Section 2C—Ground Training Requirements*

**2.5. Ground Training Requirements:**

2.5.1. Academic Training. Academic ground training conducted at contract training and in unit. Ground training requirements are listed in the appropriate training records (AF Form 4111) for this instruction.

2.5.2. Written Examination. A written examination must be completed before the end of qualification flying training. Prepare the written examination and take questions from the appropriate series aircraft manuals or technical orders. Passing grade is 85 percent. When completed by the student, the exam will be graded and corrected to 100 percent. If not previously accomplished and current, all pilots must satisfactorily complete the periodic instrument refresher course and exam.

2.5.3. Flight Deck and Passenger Compartment Familiarization. Aircrew members must be given flight deck and passenger compartment familiarization. Place emphasis on the location and function of all equipment, switches and controls required for all emergency procedures.

2.5.4. Ground Egress Training, Non-ejection. Aircrews will complete initial ground egress training during initial qualification training. All crewmembers will receive training prior to their first flight. Actual hands-on training should be accomplished in the aircraft and will include opening the entry door, an emergency escape hatch, a pilot's sliding window, and the operation of airstairs.

### ***Section 2D—Flying Training Requirements***

**2.6. Flying Training Requirements.** Pilots and flight engineers will complete B-707 simulator training before beginning initial flight training. FAs and CSOs will receive flight qualification training IAW **Chapter 3** of this instruction.

2.6.1. All aircrew members will complete the requirements outlined in the applicable training record (AF Form 4111) for this instruction. Early advancement is acceptable with a recommendation from the trainee's instructor and concurrence of the unit DO. The recommendation and concurrence must be documented in the individual's training record prior to the flight evaluation.

2.6.2. There should be minimum time lapse between training missions. Every effort should be made to complete qualification training requirements within the prescribed time period.

2.6.3. Crewmember requirements may be completed on training or operational missions under the supervision of an instructor in the same aircrew position.

2.6.4. Conduct flight evaluation IAW AFI 11-2EC-137, Volume 2, *EC-137D Aircrew Evaluation Criteria*.

### ***Section 2E—Aircraft Conversion Training***

**2.7. Phase One Conversion Training Requirements.** Use conversion training when changing between B-707 series aircraft and the amount of training needed for qualification does not warrant attendance at the approved contract qualification course. Conversion training requires the completion of the appropriate AF Form 4111 and satisfactory completion of the unit written qualification examination. Newly assigned aircrew members must also complete unit/theater indoctrination requirements IAW **Chapter 1**. After conversion, aircrew members may maintain previous Phase I qualifications in the EC-137D at the discretion of the gaining unit commander. Aircrew members entered into conversion training will complete training within 2 months after beginning training.

## Chapter 3

### MISSION QUALIFICATION TRAINING (PHASE II)

#### *Section 3A—Scope*

**3.1. Overview.** This chapter establishes the minimum training requirements for completing FA and CSO mission qualification. Pilots and engineers assume mission ready status following a successful qualification evaluation IAW **Chapter 2** (Phase 1). Upon successful mission qualification/certification (Phase 2), Second FAs and CSOs assume mission ready status for all missions. In planning and scheduling training missions, the commander will ensure aircrew members completing mission qualification training meet the requirements of this chapter.

**3.2. General Requirements.** Formal school is not available for this qualification. All assigned and attached aircrew members will complete the requirements outlined in the applicable training record (AF Form 4111) for this instruction. PACOC Training should be completed prior to mission qualification/certification. FAs not previously qualified will complete contract ground training prior to beginning initial flight training. Newly assigned CSOs and FAs who are qualified on the B-707 aircraft do not require contract ground training and may retain their previous qualification at the unit commander's discretion. Prior to certification or performing unsupervised primary aircrew duties, newly assigned personnel must complete a unit/theater indoctrination program per **Chapter 1** of this instruction.

3.2.1. Second FA Training. Newly assigned FAs will complete Second FA training. FAs are considered Second FAs following qualification. Second FAs may not fly without a First FA but, may augment a first FA on all operational and DV missions. Training will be accomplished in unit with the appropriate AF Form 4111.

3.2.2. First FA Training. Prior to entering First FA upgrade, an FA must be Second FA qualified. FAs are considered First FAs following qualification. First FAs perform a supervisory role and are qualified FAs for all operational and DV missions. Previously qualified FAs may go directly into First FA training at the discretion on the unit commander. Training will be accomplished in unit with the appropriate AF Form 4111.

**3.3. Time Period for Mission Qualification.** Aircrew members (primary or supervisory) must complete in-unit mission qualification training within 4 months from the date of their first mission qualification flight unless otherwise specified below. CSOs and FAs will start flying training within 6 weeks after reporting for duty. Individuals unable to complete mission qualification within these limits may continue training; however, their units will notify HQ AFSOC/DOV through appropriate channels with a description of the difficulty and expected qualification date.

#### *Section 3B—Ground Training Requirements*

**3.4. Ground Training Requirements.** Inunit qualification training must be accomplished IAW applicable courseware and will include the following ground training:

3.4.1. Academic Training. As delineated in applicable courseware.

3.4.2. **Written Examinations.** A written examination, if applicable, must be completed before the end of mission qualification flying training. Prepare the written examination and take questions from the appropriate series aircraft manuals or technical orders. When completed by the student, the exam will be graded and corrected to 100 percent. Passing grade is 85 percent.

3.4.3. **Flight Deck and Passenger Compartment Familiarization.** Aircrew members must be given flight deck and passenger compartment familiarization. Place emphasis on the location and function of all switches and controls required for all emergency procedures.

3.4.4. **Ground Egress Training.** FAs and CSOs will complete initial ground egress training during initial mission qualification training. All crewmembers will receive training prior to their first flight. Academic training will cover the opening of all doors, emergency escape hatches, escape slides and exit instructions. Actual hands on training should be accomplished in the aircraft and will include opening the entry door, an emergency escape hatch, a pilot's sliding window, and the operation of airstairs. If ground egress training was accomplished during previous training, it need not be reaccomplished.

### ***Section 3C—Flying Training Requirements***

**3.5. Flying Training Requirements.** Inunit mission qualification training must be accomplished IAW applicable courseware and the guidance below:

3.5.1. CSOs and FAs will fly a minimum of two operational missions under the supervision of an instructor prior to mission qualification or certification (at least one of these missions must be overseas and one must directly support a DV code 6 or higher).

3.5.2. There should be minimum time lapse between training missions, and every effort should be made to complete mission qualification training requirements within the prescribed time period.

3.5.3. Crewmember requirements may be completed on training, operational or DV missions under the supervision of an instructor in the same aircrew position. Comply with restrictions in AFI 11-2EC-137, Volume 3, *EC-137D Operations Procedures*.

3.5.4. Conduct flight evaluation IAW AFI-11-2EC-137, Volume 2.

## Chapter 4

### CONTINUATION TRAINING (PHASE III)

#### *Section 4A—General*

#### **4.1. General Requirements:**

4.1.1. Requirements in this chapter satisfy the minimum flying and related ground training requirements established by HQ USAF and HQ AFSOC to maintain currency. Individual proficiency may require a greater number of events. Commanders will ensure aircrew members receive sufficient continuation training to maintain individual proficiency.

4.1.2. Training requirements may be completed on any sortie if the accrediting criteria of this instruction are met. Sorties and events that are compatible may be credited on the same flight.

4.1.3. In planning and scheduling training missions, units will develop realistic mission scenarios to maximize training benefits on each mission.

4.1.4. When more than one event is required during a training period, commanders must ensure that flying training events are spread as evenly as possible over the training period.

4.1.5. Accomplish events identified as night requirements during the hours of darkness. Additional night events accomplished that exceed night requirements may be credited as day or total events unless otherwise indicated.

4.1.6. Aircrew members will not log continuation training requirements in events in which they are unqualified.

4.1.7. Semiannual/Quarterly training events accomplished on a satisfactory qualification, mission qualification, special mission, or requalification evaluation may be credited toward the individual's currency requirements.

4.1.8. For qualifications requiring instructor certification, the event resulting in certification and each event thereafter may be credited towards currency requirements.

**4.2. Prerequisites.** Pilots and flight engineers that maintain basic aircraft qualification status must have completed qualification training (Phase 1). Pilots and flight engineers who maintain mission ready or basic mission capable status must have completed qualification training (Phase 1) as a minimum and appropriate specialized training. FAs and CSOs who maintain mission ready or mission capable status must have completed mission qualification training (Phase 2).

#### **4.3. Training Requirements:**

4.3.1. Ground Training. All aircrew members will comply with the applicable requirements of [Table 4.1](#).

4.3.2. Prorating Training Requirements. Prorate aircrew member flying training requirements for individuals not available for flying duties due to PCS, nonflying TDY, DNIF, emergency leave, etc. and aircraft nonavailability. Prorate individual requirements based on the number of full calendar months left in the training period following completion of basic qualification, mission qualification,

requalification, and upgrades to a new special mission qualification. Use **Table 4.2.** to determine the number of sorties and events required for an individual after proration.

4.3.3. Flight Training. All aircrew members, who maintain basic aircraft qualification, mission ready, or basic mission capable qualification status must accomplish all applicable training requirements of **Table 4.3.** Mission ready and basic mission capable aircrew members will also comply with the following:

4.3.3.1. Aircraft commanders maintaining mission ready status will maintain aircraft currency IAW **Table 4.3.** and mission currency IAW the applicable special mission event requirements.

4.3.3.2. Basic mission capable aircrew members will accomplish at least 50 percent of the applicable mission ready requirements from **Table 4.4.**

4.3.3.3. Mission ready aircrew members will accomplish all of the applicable mission ready requirements from **Table 4.4.**

4.3.3.4. Semiannual Requirements are events required at interval of 6 months, January-June, July-December, unless otherwise specified.

4.3.3.5. Quarterly Requirements are events required each calendar quarter.

**4.4. Recurrency/Requalification Training.** Recurrency training is training an aircrew member must accomplish under the supervision of an instructor when currency has been lost. The event resulting in recurrency and each event thereafter are creditable for the current training period. Conduct requalification training under the supervision of an instructor or flight examiner when the aircrew member is non-current in excess of six months.

4.4.1. Basic Currency. Failure to accomplish a basic currency item that is required every calendar month or 2 months, as appropriate (**Table 4.3.**, Note 1), or the semiannual requirements of **Table 4.3.** results in the loss of basic currency. Basic recurrency/requalification training requirements are shown in **Table 4.5.** Individual proficiency will dictate the number of events to be flown with an instructor or flight examiner to satisfy sortie delinquency (as a minimum, one sortie will be flown).

4.4.2. Mission Currency. Failure to accomplish mission currency events that are required every semiannual period results in loss of currency. Loss of currency in certain events does not mean loss of mission currency in all events; however, non-currency in excess of six months results in loss of mission qualification. **Table 4.4.** denotes which events result in loss of currency in mission. Loss of mission currency does not affect basic currency. Mission recurrency/requalification training requirements are shown in **Table 4.6.** For any mission or special mission qualifications which only require an initial certification by an instructor, currency/qualification may be regained by showing proficiency in that event to an instructor or flight examiner. For pilots and engineers noncurrent in a DV mission sortie regardless of duration, currency/qualification may be regained by showing proficiency to an instructor counterpart. For pilots overdue an overseas sortie regardless of duration, currency/qualification may be regained by showing proficiency to another pilot counterpart who is current. Pilots overdue an overseas sortie may perform an operational mission if at least one other pilot counterpart is current.

### *Section 4B—Ground Training Requirements*

**4.5. General Information.** **Table 4.1.** designates ground training requirements for all aircrew members. Table notes specify which items are considered either grounding or required for mission ready status. For grounding items, crewmembers will not perform flight duties until the grounding item is satisfied. Crewmembers who are non-current/unqualified in a mission ready event will only fly on training missions (instructor supervision not required) only until these items are satisfied and will not fly on exercise or contingency missions. Crewmembers who are non-current/unqualified in a training status event will not fly without instructor supervision. Training eligibility periods described below may be extended when changing between birth month, evaluation reference date (ERD), or currency reference date (CRD). In all cases, the maximum time span for accomplishment of a training event is 11 months for semiannual, 17 months for annual, and 29 months for biennial requirements adjusted to the end of the month. This process is used to align individuals with their reference date.

4.5.1. One Time Requirements. Initial training that does not require refresher training.

4.5.2. Recurring Requirements. Crew members will comply with the time periods listed in **Table 4.1.** for recurring ground training requirements. Crew members who are being removed from active flying will comply with AFI 11-202, Vol. 1, para 4.8. for **Table 4.1.** requirements.

**4.6. Use of the Air Force Operations Resource Management System (AFORMS).** All units will develop local procedures IAW AFM 171-190 to ensure aircrew ground and flying training is properly documented and updated. Ground training requirements in **Table 4.1.** will be tracked through AFORMS. Each unit will provide a printed copy of current ground and flying training summaries to each individual prior to PCS.

### *Section 4C—Flying Training Requirements*

**4.7. Instructor/Evaluator Training Requirements.** Instructors and flight examiners will comply with **Table 4.3.**, Semiannual Basic Qualification, and the appropriate table for semiannual mission ready flying requirements. Fifty percent of semiannual flying training requirements may be credited while performing instructor or examiner duties except where noted. Instructor pilots may credit events accomplished in either seat. Basic Mission Capable instructors/evaluators must complete fifty percent of their Mission Ready requirements while performing primary crew duties and cannot credit events while instructing or evaluating.

**NOTE:** Instructors who credit events in a simulator must still accomplish at least 50 percent of these events while performing as a primary aircrew member in the aircraft. For example, an instructor who requires 12 events may log six in the simulator (3 may be while instructing) and the 6 remaining must be while performing actual aircrew duties in the aircraft.

**Table 4.1. Ground Training Requirements.**

	<b>PLT</b>	<b>FE</b>	<b>ACS</b>	<b>FA</b>
<b>ONE TIME REQUIREMENTS:</b>				
Combat Survival Training; AFCAT 36-2223 (Note 2) [SS01]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Crew Resource Management (Initial); AFI 11-202 and AFI 11-290 (Note 3) [G231]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
DoD High Risk Training (Initial); JSSA (level B/ level C) [LS14/LS15]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
PACOC Class; AFI 11-2EC-137, Volume 1	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Water Survival; AFCAT 36-2223 (Note 2) [WW01]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED AFTER PCS</b>				
Fire Extinguisher Tng; AFOSH Std 91-56 [G022]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Local Area Survival; AFI 11-301 (Note 3,6) [LS01]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Marshaling Exam; AFI 11-218 (Note 3,7) [G002]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Unit/Theater Indoc; AFI 11-2EC-137, Vol 1 (Note 3,9) [G001]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 5 YEARS (to the end of the month)</b>				
Physiological Training; AFI 11-403 (Note 1) [PP11]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 36 MONTHS (to the end of the month)</b>				
High Threat, Combat Survival Continuation Training; AFSOCI 11-301 (Note 2) [LS02]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Water Survival Refresher Training; AFSOCI 11-301 (Note 2) [LS03]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 24 months (to the end of the month)</b>				
Aircraft Anti-Hijack; AFI 13-207 [G090]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Self Aid Buddy Care; AFI 36-2238 (Note 11) [G941]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

	<b>PLT</b>	<b>FE</b>	<b>ACS</b>	<b>FA</b>
Small Arms Training (M-9); AFI 36-2226 (Note 2) [G280]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 17 MONTHS (to the end of the month)</b>				
Aircrew Chemical Defense Training ; AFSO CI 11-301 (Note 2,8) [LS04]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Authentication/Ops Codes; AFI 11-2EC-137, Volume 1 [G081]	<b>X</b>		<b>X</b>	
Crew Resource Management; AFI 11-290 and AFI 11-2EC-137, Volume 1 (Note 3) [G230]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Egress Training, Non-ejection; AFI 11-301 (Note 1) [LS08]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
IFF/SIF Procedures; NORADR 55-67, 55-68 (Note 2) [G082]	<b>X</b>		<b>X</b>	
Instrument Refresher Course AFI 11-202 V2 and AFMAN 11-210 (Note 3) [G130]	<b>X</b>			
Life Support Equipment Training; AFSO CI 11-301 (Note 2) [LS06]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Safe Passage; NORADR 55-67, theater directives (Note 2) [G062]	<b>X</b>		<b>X</b>	
Simulator Refresher Course; AFI 11-2EC-137, Volume 1 (Notes 3,4) [G251]	<b>X</b>	<b>X</b>		
Systems Refresher; AFI 11-2EC-137, Volume 1 (Notes 3,4,12) [G223]	<b>X</b>	<b>X</b>		
<b>REQUIRED EVERY 12 MONTHS (to the end of the individual's birth month)</b>				
Flight Physical; AFI 41-210 (Note 1) [PP01]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 12 MONTHS (to the end of the month)</b>				
Antiterrorism/Force Protection Training AFI 31-210 [G110]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
CDTQT; AFI 11-2EC-137, Volume 1 (Notes 2,5,8) [LS17]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

	<b>PLT</b>	<b>FE</b>	<b>ACS</b>	<b>FA</b>
DoD High Risk Training (Refresher); JSSA (level B/ level C) [LS14/LS15]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Ground Chemical Defense Ensemble; AFI 32-4001 (Notes 11) [G010]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Law of Armed Conflict; AFPD 51-401 [G100]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Use of Force; AFI 31-207 [G283]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED SEMIANNUALLY</b>				
Buffer Zone Procedures; USAFEI 11-210/PACAFI 13-201 (Note 10) [G075]	<b>X</b>		<b>X</b>	
ISOPREP; AFI 14-105 (Note 2) [G120]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

**NOTES:**

1. Grounding item. Crewmember will not fly until current in this item.
2. Mission Ready item. Crewmember restricted to training missions only.
3. Training status item. Crewmembers will fly in training status until current in this item
4. Completion of qualification or requalification including EC-137D simulator instruction satisfies the recurring requirement.
5. Noncurrency in this event will not prevent a crewmember from being scheduled for crew duties on an operational mission where this training is not required.
6. Required to be completed prior to the first local training flight.
7. Will be completed within 30 days of PCS.
8. Until unit equipment is obtained or aircraft modification is completed, this item does not apply.
9. Optional for personnel attached for flying when accompanied by unit assigned and theater indoctrinated personnel.
10. Semiannual requirement only required if mission necessitates operating in buffer zone regions (PACAF or USAFE area of responsibility).
11. Required within 90 days of assignment to a mobility position.
12. Not required for HQ AFSOC personnel.

**Table 4.2. Prorata Training Requirements.**

<b>CONSECUTIVE DAYS NOT AVAILABLE DURING TRAINING PERIOD</b>	<b>SEMIANNUAL PERIOD MONTHS REMAINING</b>	<b>QUARTERLY PERIOD MONTHS REMAINING</b>
0-15 Days	6	3
16-45 Days	5	2
46-75 Days	4	1
76-105 Days	3	1
106-135 Days	2	
136 Days-Six Months	1	

<b>MONTHS REMAINING</b>		<b>NUMBER OF EVENTS REQUIRED FOR SEMIANNUAL CURRENCY</b>											
		24	18	16	12	10	8	6	4	3	2	1	
<b>SEMI-ANNUAL/ QUARTERLY</b>		<b>REMAINING REQUIREMENTS FOR SEMIANNUAL/QUARTERLY</b>											
		6	3	24	18	16	12	10	8	6	4	3	2
5	-	20	15	13	10	8	7	5	3	2	2	1	1
4	2	16	12	10	8	7	5	4	3	2	1	1	1
3	-	12	9	8	6	5	4	3	2	2	1	1	1
2	1	8	6	5	4	3	3	2	1	1	1	1	1
1	-	<b>ONE (1) AIRCREW PROFICIENCY SORTIE REQUIRED</b>											

**Table 4.3. Semiannual Basic Qualification Flying Training Requirements.**

REQUIREMENT	P	FE	CSO	FA
Aircrew Proficiency Sortie (1)	6	6	6	6
Local Proficiency Sortie (2)	2			
<b>Pilot Proficiency Events</b>				
Total Takeoffs (1,3)	12			
Total Landings (1,3)	12			
Night Landings	2			
Total Approaches (1)	12			
Precision Approaches	6			
Nonprecision Approaches	6			

**NOTES:**

1. Pilots must accomplish at least one of each of these events every calendar month. All other aircrew members must accomplish at least one of these events in the primary aircrew position every 60 days. Flight engineer's must complete preflight, takeoff, landing, and post flight to log a sortie. Failure to do them results in the loss of aircraft currency.
2. A flight evaluation, which includes evaluation of all events required for an LPS, administered in the applicable time period will satisfy this requirement.
3. Instructors/Flight Examiners may not credit student /examinee events.

**Table 4.4. Semiannual Mission Ready Flying Requirements.**

REQUIREMENT	P	FE	CSO	FA
DV Mission (1)			1	1
<b>SPECIAL MISSION EVENTS</b>				
DV Mission Sortie (1,5)	1	1		
Overseas Sortie (1,3)	1			
Total Inflight Refueling (IFR) (1,4)	3			
IFR Night (2)	1			
IFR Rendezvous (2)	1			
IFR Autopilot Off (2)	2			

**NOTES:**

1. Non-currency in this event results in loss of currency in only that event.
2. Non-currency in this event results in loss of currency in IFR.
3. Recurrency regardless of duration is gained by performing the event under the supervision of a current crew counterpart. Pilots overdue an overseas sortie may perform an operational or DV mission if at least one other pilot counterpart is current.
4. A sortie is required every 60 days.
5. Noncurrency regardless of duration, currency/qualification may be regained by showing proficiency to another instructor counterpart.

**Table 4.5. Aircraft Recurrency and Requalification Requirements.**

1. Noncurrent less than 6 months: Show proficiency in deficient items to an instructor. In addition, pilots will perform a takeoff, approach, and landing.
2. Noncurrent 6-24 months (unqualified): Qualification training as directed by unit commander including training in all delinquent items, must include the following: Pilots require simulator refresher or refresher academics, written instrument exam, qualification exam, instrument and requalification flight evaluations. Other crewmembers will complete qualification exam, applicable refresher course, and a requalification flight evaluation.
3. Noncurrent 24-60 months (unqualified): Crewmembers must complete requalification requirements IAW <b>Chapter 2</b> .
4. Noncurrent over 60 months (unqualified): Crewmembers must complete initial qualification requirements IAW <b>Chapter 2</b> .

**Table 4.6. Mission Recurrency and Requalification Requirements.**

1. Noncurrent less than 6 months: Show proficiency in deficient items to an instructor.
2. Noncurrent 6-24 months (unqualified): Mission qualification training as directed by unit commander including training in all delinquent items, must include the following: CSO and FA must complete a written mission qualification exam and mission requalification flight evaluation.
3. Noncurrent 24-60 months (unqualified): Crewmembers must complete mission requalification requirements IAW <b>Chapter 3</b> .
4. Noncurrent over 60 months (unqualified): Crewmembers must complete initial mission qualification requirements IAW <b>Chapter 3</b> .

**Table 4.7. Special Mission Event Recurrency and Requalification Requirements.**

1. Noncurrent less than 6 months: Show proficiency in deficient items to an instructor. Exception: Overseas Sortie Recurrency regardless of duration is gained by performing the event under the supervision of a current crew counterpart.
2. Noncurrent greater than 6 months (unqualified in that special mission): Complete all initial training and evaluation requirements for that special mission. For special mission qualifications that only require an initial instructor certification by an instructor, certification may be regained by showing proficiency in that event to an instructor. Previously qualified instructors may requalify directly to instructor status in special mission events, if unqualified for a period less than 60 months Exceptions: Overseas Sortie Recurrency regardless of duration is gained by performing the event under the supervision of a current crew counterpart. DV Mission Sortie recurrency regardless of duration, currency may be regained by showing proficiency to another instructor counterpart.

## Chapter 5

### UPGRADE/SPECIALIZED TRAINING

#### *Section 5A—General*

**5.1. Scope.** This chapter identifies the prerequisites and training requirements for qualified aircrew members upgrading to additional levels of qualification.

**5.2. Time Period for Qualification.** The maximum upgrade training period for instructor, and specialized upgrade training is four months from start of training. Individuals unable to complete upgrade training within these limits may continue training; however, their units will notify HQ AFSOC/DOV through appropriate channels.

#### *Section 5B—Instructor/Flight Examiner Upgrade*

**5.3. Aircrew Instructor Program.** A sound and practical aircrew instructor program is a prerequisite for effective training, standardization, and aircraft accident prevention. The aircrew instructor program includes individuals required to perform duties as an instructor for any aircrew position.

5.3.1. Select instructors based on their background, experience, maturity, and ability to instruct.

5.3.2. Units are authorized the number of instructors IAW their UMD. This number of instructors may be exceeded by commanders to meet unique circumstances and should be controlled.

**5.4. Instructor Qualifications.** Unit commanders will personally review each instructor candidate's qualifications to ensure the individual possesses the following minimum prerequisites:

5.4.1. Instructional Ability. An instructor is a teacher and must understand the principles of instruction as outlined in the instructor upgrade courseware.

5.4.2. Judgment. Instructors must possess judgment necessary to meet unexpected or induced emergencies and the ability to exercise sound judgment through mature realization of their own, their student's, and the aircraft's limitations.

5.4.3. Personal Qualities. The instructor must have patience, tact, understanding, and the desire to instruct others. Instructors must have a personality, which inspires and wins respect of each student.

5.4.4. Technical Knowledge. The instructor must be thoroughly familiar with respective aircraft systems and equipment, normal and emergency operating procedures, and for pilots and flight engineers, the prohibited maneuvers and aircraft performance under all conditions of flight. Additionally, all instructors must be thoroughly familiar with the applicable portions of USAF and AFSOC flight management, flying training, and flying operations publications.

5.4.5. Flying Experience. Instructors must possess reasonable flying experience to include desired standards of skill and proficiency in both the aircraft and assigned missions. Flying hours alone cannot be accepted as criteria for selection to instructor.

**5.5. Instructor Responsibilities:**

5.5.1. General. Instructors will be thoroughly familiar with all courseware and contents of the applicable attachments to this instruction for qualification, certification, upgrade, and specialized training that they are required to administer.

5.5.1.1. Instructors will review the student's training records, to include records of counseling and other evaluations or progress indicators, prior to performing each training flight or session.

5.5.1.2. Instructors are responsible for a thorough preflight briefing and critique; they will comply with requirements of mission outlines, as appropriate, for the type mission being flown.

5.5.1.3. Instructors must ensure all required upgrade training items are completed and signed off and that the required level of proficiency has been demonstrated before recommending the student for an evaluation or certifying that the student is qualified.

5.5.2. Instructor Pilots. Instructor pilots are responsible at all times for the conduct of the flight and safety of the aircraft. If at any time during the flight the judgment or proficiency of the student at the controls raises a question in the instructor's mind as to the student's ability to safely complete a prescribed maneuver, the instructor will immediately take over the controls of the aircraft. The instructor should then explain and demonstrate proper methods of conducting the maneuver prior to the student resuming control of the aircraft. All instructors will place special emphasis on the procedures for positive identification of emergency conditions before initiating corrective action.

5.5.3. Instructor Aircrew Members (Other Than Pilots). Each instructor aircrew member is responsible for the safe execution of the duties of their respective crew position. At any time during the flight, if the judgment or proficiency of the student should raise a question in the instructor's mind as to the student's ability to safely execute the duties of the aircrew position, the instructor will immediately take over these duties. The instructor should then explain and demonstrate the proper method of executing these duties. All instructors will place special emphasis on the procedures for positive identification of emergency conditions before initiating corrective action.

5.5.4. Instructor Deficiencies. Instructors who demonstrate deficiencies in their ability to instruct may be used in their primary crew position (provided the deficiency does not involve primary crew duties). Commanders will take the necessary action to either retrain or remove those individuals from instructor status IAW Air Force and AFSOC directives.

## **5.6. Instructor Upgrade Prerequisites:**

5.6.1. General. Instructors may not instruct above their qualification level.

5.6.2. Initial Candidates. All initial instructor upgrade candidates must be mission ready in their unit's mission for a minimum of 6 months except those identified below:

5.6.2.1. Instructor Pilot. Have a minimum flying time of 200 hours in the B-707 type aircraft prior to entering instructor upgrade.

5.6.2.2. Instructor Flight Engineer. Have a minimum flying time of 200 hours in the B-707 type aircraft prior to entering instructor upgrade.

5.6.2.3. Instructor Communications Systems Operator. Have at least 500 hours total time and a minimum flying time of 200 hours in the B-707 type aircraft prior to entering instructor upgrade.

5.6.2.4. Flight Attendant. Have at least 200 hours in the B-707 type aircraft prior to entering instructor upgrade.

**5.7. Ground and Flight Training Requirements.** Crewmembers scheduled for instructor upgrade will complete AFCAT 36-2223 prerequisites prior to starting the upgrade. Comply with the following requirements:

- 5.7.1. Instructor Preparatory Course (IPC). All initial instructor candidates will satisfactorily complete training on principles of instruction at either a formal school or in-unit using formal school courseware.
- 5.7.2. Instructor Exam. Prior to the initial instructor flight evaluation, instructor candidates must complete an instructor open book examination at either the formal school or in-unit. Record results of this examination on the individual's AF Form 8. This is a onetime requirement.
- 5.7.3. All instructor flight upgrade training will be conducted at the unit level.
- 5.7.4. Complete flying training IAW applicable AF Form 4111.
- 5.7.5. Complete flight evaluation IAW Volume 2 of this instruction.

**5.8. Flight Examiner Upgrade.** Flight examiners are selected from the most qualified and competent instructors. Before being designated as a flight examiner, candidates will demonstrate satisfactory knowledge of command training and evaluation procedures.

### *Section 5C—Special Qualification Training*

**5.9. General.** The commander will select those aircrew members qualified in the unit's mission to maintain additional special qualifications. Personnel previously special event qualified (to include pilots previously special event qualified as copilots) may requalify by demonstrating proficiency and accomplishing a flight evaluation, if applicable. Instructors are authorized to teach any special qualifications in which they are qualified and current unless specifically restricted. Conduct evaluations and certification for special events IAW Volume 2 of this instruction, applicable AF Form 4111, and [Table 5.1](#).

- 5.9.1. Pilot Inflight Refueling (IFR) Qualification. Prior to entering inflight air refueling (IFR) training, a pilot must be qualified in the B-707. IFR contact qualification is a special qualification with training conducted IAW the appropriate AF Form 4111 followed by a one-time IFR special mission evaluation IAW Volume 2 of this instruction. All maneuvers will be flown from the left seat.
- 5.9.2. Copilot Inflight Refueling (IFR) Qualification. Prior to entering inflight air refueling (IFR) training, a pilot must be qualified in the B-707. IFR precontact qualification is a special qualification with training conducted IAW the appropriate AF Form 4111 followed by a one-time IFR instructor certification.
- 5.9.3. Inflight Air Refueling Instructor. Pilots will complete two flights prior to an IFR IP certification. All maneuvers will be flown from the right seat.
- 5.9.4. DV Mission Certifications. Aircraft commanders will complete qualification and Inflight Refueling training requirements prior to DV Mission certification. DV mission flying training may be accomplished concurrently with qualification and/or Inflight Refueling training.
  - 5.9.4.1. Flying Training Requirements. Aircraft commanders will fly a minimum of two operational missions under the supervision of an instructor prior to DV mission certification (at least one of these missions must be overseas and one must directly support a DV code 6 or higher).

There should be minimum time lapse between training missions, and every effort should be made to complete DV mission training requirements within the prescribed time period.

5.9.4.2. Deleted.

5.9.4.2.1. Deleted.

**Table 5.1. Special Mission Evaluations and Instructor Certified Events.**

<b>SPECIAL MISSION EVALUATIONS</b>	<b>P</b>
Inflight Refueling	<b>X</b>
<b>INSTRUCTOR CERTIFIED EVENTS</b>	
Inflight Refueling Instructor	<b>X</b>
DV Aircraft Commander	<b>X</b>
Touch and Go Landings*	<b>X</b>

\* Aircraft Commanders with a minimum of 100 hours incommand time must receive training and certification by an instructor pilot prior to performing touch and go landings.

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DCS, Air and Space Operations

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

AFPD 11-2, *Aircraft Rules and Procedures*

AFPD 11-4, *Aviation Service*

AFI 11-202v1, *Aircrew Training*

AFMAN 11-210, *Instrument Refresher Course (IRC) Program*

AFI 11-218, *Aircraft Operations And Movement On The Ground*

AFI 11-290, *Cockpit/Crew Resource Management Training Program*

AFI 11-2EC-137, Volume 2, *EC-137D Aircrew Evaluation Criteria*

AFI 11-2EC-137, Volume 3, *EC-137D Operations Procedures*

AFI 13-208, *Rescue Coordination Center Combat Search And Rescue Operating Procedures*

AFI 36-2107, *Active Duty Service Commitments (ADSC) And Specified Period Of Time Contracts (SPTC)*

AFCAT 36-2223, *USAF Formal Schools*

AFI 36-2226 Volume II, *Combat Arms Training And Maintenance (CATM) Program*

AFI 37-160V8, *The Air Force Publications and Forms Management Program - Developing and Processing Forms*

AFKAO-5, *Instructional Guide for Operations Codes*

AFSOCI 11-301, *Aircrew Life Support (ALS) Program*

***Abbreviations and Acronyms***

**ACDE**—Aircrew Chemical Defense Ensemble

**ADSC**—Active Duty Service Commitments

**AF**—Air Force (as used on forms)

**AFCAT**—Air Force Catalog

**AFI**—Air Force Instruction

**AFORMS**—Air Force Operations Resource Management System

**AFOSH**—Air Force Occupational Safety And Health

**AFSOC**—Air Force Special Operations Command

**AFSOCI**—Air Force Special Operations Command Instruction

**AFSO CR**—Air Force Special Operations Command Regulation

**ALS**—Aircrew Life Support

**C2**—Command and Control  
**CATM**—Combat Arms Training And Maintenance  
**CDTQT**—Chemical Defense Task Qualification Training  
**CINCSOC**—Commander-in-Chief, Special Operations Command  
**CPT**—Cockpit Procedures Training  
**CRD**—Currency Reference Date  
**CRM**—Crew Resource Management  
**CSCT**—Combat Survival Continuation Training  
**CSO**—Communications Systems Operator  
**DNIF**—Duties Not Including Flying  
**DOC**—Designed Operational Capability  
**DOD**—Department of Defense  
**DOT**—Training Office  
**DV**—Distinguished Visitor  
**ERD**—Evaluation Reference Date  
**FA**—Flight Attendant  
**GT**—Ground Training  
**HQ AFSOC**—Headquarters Air Force Special Operations Command  
**HQ AFSOC/DOV**—Headquarters Air Force Special Operations Command Aircrew Stan/Eval  
**HQ USAF**—Headquarters United States Air Force  
**HQ USSOCOM**—Headquarters US Special Operations Command.  
**IAW**—In Accordance With  
**IFR**—Inflight Refueling  
**IPC**—Instructor Preparatory Course  
**IPSS**—Inflight Passenger Service Specialist  
**IRC**—Instrument Refresher Course  
**ISOPREP**—Isolated Personnel Report  
**LPS**—Local Proficiency Sortie  
**MAJCOM**—Major command  
**MDS**—Mission design series  
**MX**—Maintenance  
**OI**—Operating instruction

**OPR**—Office of Primary Responsibility  
**PAA**—Primary Aircraft Assigned  
**PCS**—Permanent Change Of Station  
**PTT**—Part Task Trainer  
**SOC**—Senior Officer Course  
**SIM**—Simulator Training,  
**SFT**—Special Function Trainer  
**SPTC**—Specified Period Of Time Contracts  
**TDY**—Temporary Duty  
**UMD**—Unit Manning Document  
**USSOCOM**—US Special Operations Command  
**WX**—Weather

### *Terms*

**Air Force Special Operations Command**—Major command of assignment for 2 SOF members.

**Aircraft Coordinator**—Individual assigned to HQ USSOCOM. Responsible for scheduling and coordination of missions supporting CINCSOC.

**Aircrew Coordinator**—Mission liaison between user and aircrew.

**Basic Aircraft Qualification Aircrew Member**—An aircrew member who has satisfactorily completed qualification training in the basic aircrew position and maintains aircraft currency IAW this instruction.

**Basic Mission Capable Aircrew Member**—An aircrew member who has satisfactorily completed mission qualification and is maintaining 50 percent of the applicable mission qualification currency requirements of this instruction.

**Communications Systems Operator**—A non-rated aircrew member specially trained to operate aircraft communication systems.

**Conversion Training**—Training accomplished when changing between same design, but different series, aircraft. The amount of training needed for qualification does not warrant attendance at a formal qualification course.

**DV Mission**—Any mission carrying a DV code 6 or higher.

**EC-137D**—Boeing 707-300 series airplane specifically modified to support USSOCOM and its subordinate commands.

**Event**—A training item to be accomplished. Multiple events may be completed and logged during a sortie unless specifically excluded elsewhere in this instruction.

**First FA**—Qualified FA for all missions.

**Flight Attendant**—Crewmember specially trained in passenger handling and safety. Career field was formerly referred to as Inflight Passenger Service Specialist (IPSS).

**Inflight Refueling**—For the purpose of this instruction, airborne fuel onload (simulated or actual) by EC-137D receiver aircraft.

**Inflight Passenger Service Specialist**—Crewmember specially trained in passenger handling and safety.

**Instructor Certified Events**—Training given to an aircrew member that requires an instructor to certify the student's attainment of the required proficiency and knowledge levels as specified in courseware and, if appropriate, AF Forms 4111. Instructor certified events are documented on AF Form 1381, **USAF Certification of Aircrew Training**.

**Mission Ready Crewmember**—Crewmember who has successfully completed appropriate qualification, and is maintaining qualification currency requirements of this instruction.

**Mission Design and Series (MDS) for aircraft**—The first letter identifies the mission of the aircraft (i.e. A, E, H, M). The second letter and subsequent numbers identify the design of the aircraft (i.e. C-137, C-141, F-15). The last letter identifies the series of aircraft (i.e. B, C, D, U).

**Operational Mission**—Mission which has the primary purpose to provide direct support for contingencies, or HQ USSOCOM and its subordinate commands.

**Primary Aircraft Assigned**—Type of aircraft authorized to a unit for performance of its operational mission.

**Second FA**—Qualified FA to augment first FA.

**Special Mission Evaluation**—Training given in a specific mission area/task that requires a flight evaluation.

**Total Flying Time**—Total time for all aircraft flown in military service to include student time. Time accumulated must be in the aircrew member's current rating (e.g. pilot).

**Training Status**—A deficient status in which a crewmember must fly under the supervision of an instructor when occupying a primary crew position. Once deficient items are corrected, the crewmember is removed from training status.

## Attachment 2

### AFORMS TRAINING EVENT IDENTIFIERS AND DESCRIPTIONS

#### A2.1. One Time Ground Training Requirements:

A2.1.1. Combat Survival Training (CST) [SS01]. Accomplish IAW AFCAT 36-2223.

A2.1.2. Crew Resource Management (CRM) [G231]. AFI 11-290, *Cockpit/Crew Resource Management Training Program*, establishes requirements for developing and managing tailored, mission-specific CRM programs and requires CRM training for all Air Force aircrew members. CRM consists of initial and periodic refresher training. This course builds upon the principles of crew coordination, communications, decision making, leadership, and management skills. Those aircrew members, who attend an periodic simulator refresher course and receive CRM training can credit their periodic CRM refresher requirement if the training is conducted with the full crew, otherwise conduct CRM refresher in a full crew setting. If CRM training is not accomplished in the periodic simulator refresher, then it will be accomplished IAW AFI 11-290, *Cockpit/Crew Resource Management Training Program*, and AFSOC supplement.

A2.1.3. DoD High Risk Training [LS14/LS15]. Peacetime Code of Conduct training is required for all AFSOC high risk operators (all aircrew members, special tactics personnel, etc.). High risk is defined as a combination of those operators, because of the nature of their missions, tactics, and Area of Responsibility (AOR), that have a high risk of capture, or due to access to sensitive information, plans or programs, are susceptible to foreign government, terrorist, or enemy exploitation. The training is managed and conducted by the Joint Services SERE Agency (JSSA) as the DoD Executive Agent Action Office or SERE and Code of Conduct Training. LS14 is the identifier for level "B" training and LS15 is the identifier for level "C" training. Level "C" training [LS15] can update Level "B" [LS14] training. Training is available as an exportable Level B course (generally one day) for lower risk operators and as a Level C course (academics and practical application) specifically tailored to unit mission. Both levels of training include information in how to deal with peacetime governmental detention and hostage/terrorist survival. The focal point between JSSA and units requiring training are the AFSOC, wing, and unit Liaison (LNOs). Wherever possible, LNOs will be Air Force SERE Training Instructors, who following JSSA indoctrination and training, have the necessary core skills to effectively run this advanced survival training program. The LNO is responsible to identify operators requiring training to JSSA. Aircrew will normally accomplish e Level C training as part of their Core Training.

A2.1.4. Ground Egress Training, Non-ejection. Aircrews will complete initial ground egress training during initial qualification or mission training. All crewmembers will receive training prior to their first flight. Actual hands on training should be accomplished in the aircraft and will include opening the entry door, an emergency escape hatch, a pilot's sliding window, and the operation of airstairs.

A2.1.5. Local Area Survival [LS01]. One time event conducted prior to the first flight at home-station to familiarize crewmembers with local emergency equipment and rescue procedures IAW AFI 11-301.

A2.1.6. PACOC – This training is a requirement for all newly assigned aircrew members. Prior to performing unsupervised primary aircrew duties, each newly assigned aircrew member will complete

PACOC training. Training familiarizes the aircrew member with the unit's unique mission and responsibilities.

A2.1.7. Unit/Theater Indoctrination Training [G001]. Prior to performing unsupervised primary aircrew duties, each newly assigned aircrew member will complete a unit/theater indoctrination program. This training is a requirement for all newly assigned and TDY aircrew members. Each unit will publish a directive outlining specific ground and flight requirements. Design this training to prepare aircrew members for theater operations. This training will: familiarize them with the local flying area and facilities/support agencies available, introduce any theater/mission unique procedures, and review all theater unique instrument requirements.

A2.1.7.1. The instrument portion will include theater instrument requirements and procedures, the use of MAJCOM approved non-DOD instrument approach procedures, required instrumentation for specific approaches and theater weather conditions. Document unit/theater indoctrination training in AFORMS for assigned and attached personnel.

A2.1.8. Water Survival [WW01]. Accomplish IAW AFCAT 36-2223.

## **A2.2. Recurring Ground Training Requirements:**

A2.2.1. Aircrew Chemical Defense (ACDT) Training [LS04]. AFSOCI 11-301, *Aircrew Life Support (ALS) Program* requires initial training within 90 days of arrival to a unit with potential exposure to chemical threats for personnel with no previous ACDE training and annual refresher training.

A2.2.2. Antihijacking [G090]. Accomplish initial and refresher training every two years by reviewing AFI 13-207.

A2.2.3. Antiterrorism/Force Protection Training [G110]. This training is directed by the Chairman, Joint Chiefs of Staff, and will be incorporated as a requirement to AFI 31-210. All DoD personnel will receive predeployment AT/FP training prior to deployment to OCONUS locations. The goal is to standardize training and preparation actions; and bring consistency throughout the DoD. There are four levels of training. Level I is awareness training for all personnel; level II is for the unit AT/FP resource officer (AT/FP RO); level III is for commanders at the O-5/O-6 grades; and level IV is for O-6 to O-8 wing commander, Joint Task Forces, etc. All AFSOC personnel subject to deployment must receive level I training, conducted by AFOSI by way of force protection defensive briefings and/or level II trained POC, based on chapter 12, DoD 0-2000.12H. All individuals will also receive JS guide 5260, *Service Members Personal Protection Guide*, and antiterrorism individual protective measures folding wallet card. This is a ground training requirement for aircrew members. If an individual is deployed outside of the six month training window, OSI will conduct predeployment processing to ensure all deploying personnel have received level I training.

A2.2.4. Authentication and Operations Code Systems [G081]. Units will develop local training programs and conduct initial and periodic training IAW AFKAO-5, *Instructional Guide for Operations Codes*.

A2.2.5. Buffer Zone (BZ)/Identification Zone (ADIZ) Procedures [G075]. Follow procedures listed in USAFEI 11-201 *Buffer Zone Procedures* and PACAFI 13-201, *Prevention of Inadvertent Overflight of Non-Friendly Borders* for all aircrews operating in these theaters.

A2.2.6. Chemical Defense Task Qualification Training (CDTQT) [LS17]. Accomplish initial and annual refresher CDTQT IAW AFSOCI 11-301.

A2.2.7. Crew Resource Management (CRM) (Refresher) [G230]. Refresher training is designed to reinforce the aircrew's CRM academic knowledge and refocus on skills that lead to successful mission accomplishment. CRM skills should be inseparable parts of operational practices. Those aircrew members who attend a simulator refresher course, which teaches CRM refresher as part of its program, can credit their refresher CRM refresher requirement if the training is conducted with a thorough cross section of crewmembers. Otherwise, have a unit facilitator conduct CRM refresher with a thorough cross section of crewmembers at a location of choice. As a rule of thumb, try to have at least one crewmember per crew position present. The cross section in attendance can span other AFSOC weapon systems since shared experiences across the command are valuable and enhance training.

A2.2.8. Egress Training, Non-ejection [LS08]. Actual hands-on training should be accomplished in the aircraft and will include opening the entry door, an emergency escape hatch, a pilot's sliding window, and the operation of airstairs. FEs and FAs may credit this event when they accomplish an aircraft preflight. All other crew positions may credit this event when they accomplish actual hands at Sim Refresher or under supervision of an instructor from any crew position.

A2.2.9. Fire Extinguisher Training [G022]. AFOSH Standard 9156 requires initial training and refresher upon arriving PCS to a new flying unit. This training will familiarize crewmembers in the use of the type of fire extinguishers onboard their assigned aircraft.

A2.2.10. Flight Physical [PP01]. Accomplish this event IAW AFI 41-210.

A2.2.11. Ground Chemical Defense Ensemble [G010]. Conduct IAW AFI 32-4001

A2.2.12. High Threat, Combat Survival Continuation Training [LS02]. This training will consist of the evasion and survival field training exercise and will also encompass the principles, procedures, and techniques required to use standard life support equipment in a survival situation. All aircrew members will accomplish CSCT every 3 years. Refer to AFSOCI 11-301.

A2.2.13. IFF/SIF (Identify Friend or Foe/Selective Identify Frequency) Procedures [G082]. Pilots and communication system operators will receive initial and periodic training in IFF/SIF procedures. Training will include IFF/SIF loading and operation to include time changeover procedures and IFF on/off lines. This training will include MDS specific equipment operating procedures.

A2.2.14. Isolated Personnel Report (ISOPREP) [G100]. Accomplish a semiannual review IAW AFI 14-105.

A2.2.15. Law of Armed Conflict (LOAC) [G100]. Aircrew members will receive refresher training in the principles and rules of LOAC IAW AFI 51-401, *Training and Reporting to Ensure Compliance with the Law of Armed Conflict*. At a minimum, training will include subjects required by the 1949 Geneva Conventions for the Protection of War Victims and the Hague Convention IV respecting the Laws and Customs of War on Land of 1907.

A2.2.16. Life Support Equipment Training [LS06]. Accomplish initial and periodic refresher training on life support equipment carried onboard unit aircraft IAW AFSOCI 11-301.

A2.2.17. Marshaling Exam [G002]. Accomplish marshaling exam within 30 days upon arrival PCS to a flying unit IAW AFI 11-218, *Aircraft Operations And Movement On The Ground*.

A2.2.18. Physiological Training (Refresher) [PP11]. Conduct every five years IAW AFI 11-403.

A2.2.19. Safe Passage [G062]. Training will include instruction on the following airspace and associated procedures: Airspace Coordination Areas, Restricted Operating Areas/Zones (ROA/ROZ),

High Density Airspace Control Zones (HIDAZC), and Minimum Risk Routes (MRR). Training should include a discussion on current theater Air Tasking Order (ATO) safe passage procedures for frequently visited theaters.

A2.2.20. Self-Aid and Buddy Care [G941]. Conduct every two years IAW AFI 36-2238.

A2.2.21. Small Arms Training [G280 (M-9)]. AFSOC fixed wing aircrew members are considered Group C and must qualify on assigned weapons IAW AFI 36-2226, *Combat Arms Training and Maintenance Program*. AFCAT 21-209, *Ground Munitions*, authorizes many types of ground munitions for skill sustainment (proficiency) training. Unit commanders may designate crewmembers as Group B at their discretion IAW the unit security plan (Group B individuals have an annual small arms requirement). If unit commanders designate crewmembers as Group B, they must contact HQ AFSOC/SF to coordinate for extra munitions requirements.

A2.2.22. Water Survival Refresher [LS03]. Attend water survival refresher every three years. It consists of "hands on" training for each crewmember with all weapons system specific flotation devices and components available during an overwater emergency. This training emphasizes survivor needs using water survival related equipment and procedures. Refer to AFSOCI 11-301.

A2.2.23. Use of Force [G283]. Aircrew members will receive use of force training as members of arming group B, IAW AFI 31-207. After completion of training, the individual will receive a new AF Form 523, which will expire in one calendar year.

### **A2.3. Recurring Aircrew Refresher Training Requirements:**

A2.3.1. Pilot and Flight Engineer Simulator Refresher [G251]. Pilots and flight engineers qualified in an AFSOC EC-137D type aircraft IAW [Chapter 2](#) will complete a periodic simulator refresher course. The maximum time period between events is 17 months from date last accomplished.

A2.3.1.1. Simulator refresher training is not required for aircrew members who will not be flying the same or similar aircraft beyond 4 months after their due date.

A2.3.1.2. Satisfactory completion of basic qualification or requalification course, which includes instruction in a B-707 type simulator, satisfies the periodic simulator refresher course requirement.

A2.3.1.3. Requests for waivers to periodic simulator refresher training will contain proposed alternate means of attaining the training objectives.

A2.3.2. Instrument Refresher Course (IRC) [G130]. All pilots will complete the IRC IAW AFI 11-202V1 and MAJCOM supplements.

A2.3.3. Systems Refresher. Pilots and flight engineers will complete a periodic systems refresher course.

### **A2.4. Basic Aircraft Qualification Event Definitions.** The following event definitions apply to [Table 4.3.](#), Semiannual Basic Qualification Flying Training Requirements:

A2.4.1. Aircrew Proficiency Sortie. An aircrew proficiency sortie may be logged for an individual who is flying in a primary crew position and meets the following position specific criteria:

A2.4.1.1. Pilots may credit an aircrew proficiency sortie if they perform both a takeoff and landing from either pilot seat. Credit multiple sorties on multileg missions with fullstop landings.

A2.4.1.2. Flight engineers may credit an aircrew proficiency sortie if they perform the duties that are applicable to the flight engineer's crew position, complete all station functions, and complete all checklists during a takeoff, approach and landing.

A2.4.1.3. Other aircrew members may credit a sortie when they perform appropriate preflight, inflight, and postflight duties in their primary crew position.

A2.4.1.4. An individual may not credit more than one sortie on a local training flight.

A2.4.2. Pilot Local Proficiency Sortie (LPS). A local training mission including at least one hour of primary or instructor time practicing instrument, transition, and emergency procedures. Fly maneuvers under the supervision of an instructor pilot and repeat them until an acceptable level of proficiency is attained or the LPS may not be credited. If the LPS is incomplete, the instructor will recommend whether the entire LPS or just the incomplete events must be reaccomplished. Instructors and evaluators need not complete all LPS events on a single sortie. Credit a LPS when all events are complete. Unit commanders may add to the following minimum LPS sortie criteria:

A2.4.2.1. A review of boldface emergency procedures.

A2.4.2.2. Two instrument approaches and a holding pattern.

A2.4.2.3. A circling approach (traffic permitting).

A2.4.2.4. A simulated engine out landing.

A2.4.2.5. A simulated engine out goaround.

A2.4.2.6. A VFR traffic pattern (weather permitting).

**NOTE:** Events flown in the simulator will count toward satisfying currency requirements. **EXCEPTION:** Pilots may not log landings performed in the simulator unless the simulator is certified FAA level "D" or better.

**A2.5. Mission Qualification Event Definitions.** The following event definitions apply to **Table 4.4.**, Semiannual Mission Ready Basic Qualification Flying Training Requirements:

A2.5.1. DV Mission/Sortie. All aircrew members may credit a DV mission sortie if they accomplish premission planning and appropriate mission duties in support of a mission directly supporting a DV code 6 or higher.

A2.5.2. Inflight Refueling (IFR). Pilots may credit an inflight refueling sortie if they accomplish a closure from precontact and at least 10 minutes of contact time with no more than two inadvertent disconnects after initial contact.

A2.5.3. Overseas Sortie. Pilots may credit an overseas sortie if they occupy either pilot seat during an OCONUS takeoff or landing.

### Attachment 3

## AIRCREW TRAINING RECORD

**A3.1. General.** The AF Form 4109, **Special Operations Aircrew Training Folder**, contains the AF Forms 4110, **Comments - Special Operations Training Record**, and the applicable AF Forms 4111, **Special Operations Training Record**, for the type training and aircrew position. Comply with the following instructions for proper documentation and management of the AF Form 4109.

A3.1.1. Initiate an AF Form 4109 for any aircrew member beginning:

A3.1.1.1. An AFCAT 36-2223 formal school (either by primary or secondary method).

A3.1.1.2. Theater/unit indoctrination.

A3.1.1.3. Special mission event upgrade training.

A3.1.1.4. In-unit upgrade program to next higher crew qualification in conjunction with a published aircrew member training guide.

A3.1.1.5. Requalification training by either primary or secondary method.

A3.1.1.6. Corrective action required as a result of a failed flight evaluation other than end-of-course evaluations. This requirement may be waived by the unit commander if corrective action is limited and would not warrant the initiation of a training folder. If initiated, the flight examiner who evaluated the aircrew member will enter comments pertinent to the training deficiency on the AF Form 4110.

A3.1.2. Do not insert training forms in flight evaluation folders.

A3.1.3. Maintain "active" AF 4109 in a location readily accessible to instructors, trainers, supervisors, and the individual aircrew members in training. Training folders should be maintained in the squadron to which students are assigned or attached for flying.

A3.1.4. Formal schools will, after the student's graduation, send the AF Form 4109 to the student's gaining unit.

A3.1.5. Unit training managers will retain AF Forms 4109 from in-unit training and upgrades for 1 year. After that time, the AF Forms 4109 contents will be returned to the aircrew member.

A3.1.6. The instructor is responsible for documentation placed in the training folder for the aircrew member receiving training. The training folder must be available for the student to review.

**A3.2. Instructions for Documenting Aircrew Training (AF Form 4109).** Comply with the following instructions for documenting aircrew member training in the AF Form 4109, **Aircrew Training Record**.

A3.2.1. Student Information (Cover). Provides student and course information.

A3.2.1.1. Name/Grade. Selfexplanatory.

A3.2.1.2. Aircrew Position. Enter current aircrew position and level of qualification. For aircrew members in an upgrade program, enter aircrew position to which they are upgrading.

A3.2.1.3. Unit of Assignment. Selfexplanatory.

A3.2.1.4. Type of Training. Enter title or for special mission event qualification, enter type; i.e., Inflight Refueling, etc.

A3.2.1.5. Course Number. Enter only AFCAT 36-2223 formal course number, otherwise leave blank.

A3.2.1.6. Class Number. Enter formal school class number; otherwise, leave blank.

A3.2.2. Ground Training Summary (Inside Left). This section provides a chronological record of ground training events. Record nonflying training events. Entries are required for special function trainer (SFT), part task trainer (PTT), cockpit procedures training (CPT), simulator (SIM) training, and ground training (GT). Entries are not required for inunit academic instruction conducted IAW formal school courseware.

A3.2.2.1. Date. Selfexplanatory (ZULU).

A3.2.2.2. Training Period. Enter sequentially numbered training period designators; i.e., PTT1, CPT3, SIM2, GT1, etc.

A3.2.2.3. Status. Enter incomplete (INC) and the reason; i.e., MX, WX, PRO (for maintenance, weather, or student proficiency) when an additional training period, (in addition to those remaining), is required to accomplish the lost training events originally scheduled for that training period (INCPRO); otherwise, leave blank.

A3.2.2.4. Instructor or Trainer (Qual). Enter name of the instructor or trainer and aircrew qualification; i.e., IP, EF, MP, etc.

A3.2.2.5. Training Time. Selfexplanatory. Do not include time normally associated with prebriefing and debriefing CPT or SIM training missions.

A3.2.3. Written Evaluations. Record data on written evaluations required by the training program.

A3.2.3.1. Date. Enter date that written evaluation was completed.

A3.2.3.2. Type. Enter AFI 11-2EC-137, Volume 2 description or other appropriate identifier.

A3.2.3.3. Grade. Make entry IAW AFI 11-2EC-137, Volume 2.

A3.2.4. Performance Evaluation Summary. Record data on required evaluations including re-evaluations (if applicable).

A3.2.4.1. Date Recommended. Enter the date recommended for a performance evaluation (CPT, WST, or flight) For flight, use ZULU date.

A3.2.4.2. Type Evaluation. Enter AFI 11-2EC-137 Volume 2, evaluation description or other appropriate identifier.

A3.2.4.3. Instructor (qualification). Enter the name and aircrew qualification of the instructor recommending the student for an evaluation.

A3.2.4.4. Operations Review. With the initials of the reviewer, indicate a records review has been accomplished following recommendation of an evaluation. NOTE: Flight commanders or supervisors will accomplish reviews during formal courses. Squadron commanders or operations officers are required to accomplish reviews prior to flight evaluations.

A3.2.4.5. Date Evaluated. Enter the ZULU date the evaluation was completed.

A3.2.4.6. Flight Examiner. Self-explanatory.

A3.2.4.7. Grade. Enter according to AFI 11-EC-137, Volume 2.

A3.2.5. Flying Training Summary (Inside Right). This section provides a chronological record of flying training events. Record flight training events, both on training sorties and operational missions. Log all events scheduled, even if canceled by external factors (WX, MX).

A3.2.5.1. Date. Selfexplanatory (Zulu). On operational missions, enter inclusive dates.

A3.2.5.2. Training Period. Enter sequentially numbered training period designators; i.e. P1, T1, T2, etc.

A3.2.5.3. Status. Enter incomplete (INC) and the reasons, WX, MX, PRO (for weather, maintenance, or student proficiency) when an additional training flight, over those remaining, is required to accomplish the lost training events originally scheduled for that period (INCWX); otherwise, leave blank.

A3.2.5.4. Instructor/Trainer (Qual). Enter name of the instructor or trainer and aircrew qualification.

A3.2.5.5. Mission Time. Enter the total flight time of the training or operational mission in the top half of the block. For pilots and flight engineers, enter the flight time the student was actually in the seat in the lower half of the block.

A3.2.5.6. Cumulative Time. Use this block to enter the individual's total cumulative flight time in the specific training course. Enter total cumulative instruction time in the top half of the block. For pilots and flight engineers, enter the total cumulative seat time in the lower half of the block.

A3.2.6. Performance and Knowledge Standards. (For use with AF Form 4111, see paragraph [A3.4.8.](#))

A3.2.7. Grading Codes. (For use with AF Form 4111, see paragraph [A3.4.8.](#))

**A3.3. Instructions for Documenting Comments - Special Operations Training Record.** AF Form 4110, **Comments - Special Operations Training Record**, provides a narrative description of training mission and events and is also used for documenting operations review of training progress. Maintain on the left side of the AF Form 4109 with the latest form on top.

A3.3.1. Training Period and Date. Training period is either the ground or flight i.e., GT-1, P-1. Etc. Date will be ZULU date.

A3.3.2. Training Period. Annotate time allocated for training. Classroom academic training periods will be annotated as AT and tabulated under the ground training block.

A3.3.3. Total Training Time (Item 8). Keep a running total of all training time (add Items 3, 5, and 7).

A3.3.4. Mission/Profile/Recommendations. Describe the mission scenario to accurately document each event; i.e., type and number of approaches, etc. Local overprints are authorized. Comments should elaborate on student strengths and weaknesses, identify problem areas, record unusual circumstances, and indicate student progress. Recommendations will be specific and should include tasks requiring further training and the type training required. If more space is required for annotating remarks, draw vertical arrows through sortie information heading section of the following block of form and continue remarks.

A3.3.4.1. Operations Review. In addition to reviewing all the AF Form 4110 entries, the unit training representative will conduct a monthly review of active status AF Forms 4109. The squadron commander or operations officer will review active status AF Forms 4109 at least once each calendar quarter. Document reviews on an AF Form 4110. The reviewer will annotate “monthly review” or “quarter review” as applicable in the Training Period block. Write comments concerning the student's progress, status, and recommendations in the Remarks and Recommendations block.

A3.3.5. The instructor will print and sign their name, and annotate rank and crew qualification.

A3.3.6. Student Review. The student will initial on the last line of each training period's comments indicating awareness of the training status. The student does not have to agree with the written comments before initialing form.

A3.3.7. AF Form 4110 will be completed and reviewed by the student prior to his next training period.

**A3.4. Instructions for Documenting Aircrew Performance.** AF Form 4111, **Special Operations Training Record.** This form tracks, for each sortie, individual event and task accomplishment and grades. Overprints will provide event and task listings, total number or repetitions required, and required end of course proficiency levels for each ground and flight training task. Use it also to record student proficiency levels on each training mission. Maintain AF Forms 4111 on the right side of the AF Form 4109.

A3.4.1. Name. Selfexplanatory.

A3.4.2. Crew Position. Selfexplanatory.

A3.4.3. Course/Phase of Training. Enter AFCAT 36-2223 formal course identification. For special mission qualification, enter type and identify method of training, i.e., ground, simulator, flying.

A3.4.4. Programmed Training Profile. Provide the programmed training sequence to include SFT, CTD, PTT, CPT, SIM, SNS, and flight training missions. Identify the type of training mission and number. For AFCAT 36-2223 courses, this section will reflect the Course Summary Document.

A3.4.5. Actual Training Profile. Use this section to document the actual profile accomplished. Identify the training mission type and number; i.e., T-3.

A3.4.6. Task/TopicListing. Reflects the tasks and subtasks in the training program requiring specific student performance or knowledge proficiency standards. Use the left column to vertically identify a general area; i.e., ground operations, emergency procedures, etc.

A3.4.7. Minimum Events Required. Reflect the minimum number of times a student should satisfactorily complete a specific task. When this requirement exists, two lines will be used for that task. The first line lists the task description and “Minimum Events Required”. On the second line use the “Knowledge Grade” blocks to document how manytimes the student completed the task on that mission.

A3.4.8. Grade: Performance (P) and Knowledge (K). Enter a performance grade or knowledge grade, or both, by each task or subtask where performance and knowledge was demonstrated by the student. Use task performance and knowledge codes listed on the AF Form 4109. Non-instructor qualified trainers, i.e., aircraft commanders for copilots, will not enter performance or knowledge grades. Instead, they will use the “X” code described on the AF Form 4109. Formal schools and

units may elect to use the last vertical column to document evaluation results. In these cases, enter the performance grade or knowledge grade or both by each task or subtask evaluated. Do not normally evaluate students until performance/knowledge levels are sustained at course standards.

A3.4.9. Required Proficiency Levels (P/Gr and K/Gr). These columns indicate the end of phase/course performance and knowledge proficiency standards required for each task and subtask. These will reflect the appropriate Master Task Listing standards.

**A3.5. AF Form 4111 Overprints.** Overprints will be prepared IAW AFI 37-160V8, *The Air Force Publications and Forms Management Program - Developing and Processing Forms*. HQ AFSOC/DOV is the OPR for the overprints. Forward suggested revisions to the basic AF Form 4111 design through the OPR at HQ AFSOC/DOVA.

**Attachment 4****TEXT OF IC 2000-1*****SUMMARY OF REVISIONS***

This change incorporates interim change (IC) 2000-1 which corrects the flying training requirements for Aircraft Commander DV mission certification in paragraph 5.9.4.1. and matches requirements for DV mission certification in paragraph 5.9.4.2.1. to be consistent with requirements in paragraph 5.9.4.1. See the last attachment of the publication, IC 2000-1, for the complete IC. A bar (|) indicates revisions from the previous edition.

5.9.4.1. Flying Training Requirements. Aircraft commanders will fly a minimum of two operational missions under the supervision of an instructor prior to DV mission certification (at least one of these missions must be overseas and one must directly support a DV code 6 or higher). There should be minimum time lapse between training missions, and every effort should be made to complete DV mission training requirements within the prescribed time period.

5.9.4.2.1. Mission ready aircraft commanders will be identified by the commander for DV mission upgrade, commensurate with flying and mission experience. A minimum of 100 hours in a B-707 type aircraft, inflight refueling qualification, and two operational missions are required prior to DV mission certification.

## Attachment 5

## IC 2000-2 TO AFI 11-EC-137, VOLUME 1, EC-137D AIRCREW TRAINING

28 AUGUST 2000

**SUMMARY OF REVISIONS**

This revision incorporates IC 2000-2. This interim change (IC) 2000-2 corrects the DoD High Risk Training Requirements for Initial and Refresher, and corrects crew position titles for ACS and FA in [Table 4.1](#). A “|” indicates revised material since the last edition.

**Table 4.1. Ground Training Requirements.**

	PLT	FE	ACS	FA
<b>ONE TIME REQUIREMENTS:</b>				
Combat Survival Training; AFCAT 36-2223 (Note 2) [SS01]	X	X	X	X
Crew Resource Management (Initial); AFI 11-202 and AFI 11-290 (Note 3) [G231]	X	X	X	X
DoD High Risk Training (Initial); JSSA (level B/ level C) [LS14/LS15]	X	X	X	X
PACOC Class; AFI 11-2EC-137, Volume 1	X	X	X	X
Water Survival; AFCAT 36-2223 (Note 2) [WW01]	X	X	X	X
<b>REQUIRED AFTER PCS</b>				
Fire Extinguisher Tng; AFOSH Std 91-56 [G022]	X	X	X	X
Local Area Survival AFI 11-301 (Note 3,6) [LS01]	X	X	X	X
Marshaling Exam; AFI 11-218 (Note 3,7) [G002]	X	X	X	X
Unit/Theater Indoc; AFI 11-2EC-137, Volume 1 (Note 3,9) [G001]	X	X	X	X
<b>REQUIRED EVERY 5 YEARS (to the end of the month)</b>				
Physiological Training; AFI 11-403 (Note 1) [PP11]	X	X	X	X
<b>REQUIRED EVERY 36 MONTHS (to the end of the month)</b>				

	PLT	FE	ACS	FA
High Threat, Combat Survival Continuation Training; AFSOCI 11-301 (Note 2) [LS02]	X	X	X	X
Water Survival Refresher Training; AFSOCI 11-301 (Note 2) [LS03]	X	X	X	X
<b>REQUIRED EVERY 24 months (to the end of the month)</b>				
Aircraft Anti-Hijack; AFI 13-207 [G090]	X	X	X	X
Self Aid Buddy Care; AFI 36-2238 (Note 11) [G941]	X	X	X	X
Small Arms Training (M-9); AFI 36-2226 (Note 2) [G280]	X	X	X	X
<b>REQUIRED EVERY 17 MONTHS (to the end of the month)</b>				
Aircrew Chemical Defense Training ; AFSOCI 11-301 (Note 2,8) [LS04]	X	X	X	X
Authentication/Ops Codes; AFI 11-2EC-137, Volume 1 [G081]	X		X	
Crew Resource Management; AFI 11-290 and AFI 11-2EC-137, Volume 1 (Note 3) [G230]	X	X	X	X
Egress Training, Non-ejection; AFI 11-301 (Note 1) [LS08]	X	X	X	X
IFF/SIF Procedures; NORADR 55-67, 55-68 (Note 2) [G082]	X		X	
Instrument Refresher Course; AFI 11-202 V2 and AFMAN 11-210 (Note 3) [G130]	X			
Life Support Equipment Training; AFSOCI 11-301 (Note 2) [LS06]	X	X	X	X
Safe Passage; NORADR 55-67, theater directives (Note 2) [G062]	X		X	
Simulator Refresher Course; AFI 11-2EC-137, Volume 1 (Notes 3,4) [G251]	X	X		
Systems Refresher; AFI 11-2EC-137, Volume 1 (Notes 3,4,12) [G223]	X	X		

	PLT	FE	ACS	FA
<b>REQUIRED EVERY 12 MONTHS (to the end of the individual's birth month)</b>				
FlightPhysical; AFI41-210(Note 1) [PP01]	X	X	X	X
<b>REQUIRED EVERY 12 MONTHS (to the end of the month)</b>				
Antiterrorism/Force Protection Training AFI 31-210 [G110]	X	X	X	X
CDTQT; AFI 11-2EC-137, Volume 1 (Notes 2,5,8) [LS17]	X	X	X	X
DoD High Risk Training (Refresher); JSSA (level B/ level C) [LS14/LS15]	X	X	X	X
Ground Chemical Defense Ensemble; AFI 32-4001 (Notes 11) [G010]	X	X	X	X
Law of Armed Conflict; AFPD51-401 [G100]	X	X	X	X
<b>REQUIRED SEMIANNUALLY</b>				
Buffer Zone Procedures; USAFEI 11-210/PACAFI13-201 (Note 10) [G075]	X		X	
ISOPREP; AFI 14 -105 (Note 2) [G120]	X	X	X	X

**NOTES:**

1. Grounding item. Crewmember will not fly until current in this item.
2. Mission Ready item. Crewmember restricted to training missions only.
3. Training status item. Crewmembers will fly in training status until current in this item
4. Completion of qualification or requalification including EC-137D simulator instruction satisfies the recurring requirement.
5. Noncurrency in this event will not prevent a crewmember from being scheduled for crew duties on an operational mission where this training is not required.
6. Required to be completed prior to the first local training flight.
7. Will be completed within 30 days of PCS.
8. Until unit equipment is obtained or aircraft modification is completed, this item does not apply.
9. Optional for personnel attached for flying when accompanied by unit assigned and theater indoctrinated personnel.

10. Semiannual requirement only required if mission necessitates operating in buffer zone regions (PACAF or USAFE area of responsibility).
11. Required within 90 days of assignment to a mobility position.
12. Not required for HQ AFSOC personnel.

## Attachment 6

## IC 2001-1 TO AFI 11-2EC-137, VOLUME 1, EC-137D AIRCREW TRAINING

01 May 2001

## SUMMARY OF REVISIONS

This interim change (IC) 2001-1 deletes paragraphs 5.9.4.2 and 5.9.4.2.1, changes paragraph 5.9.4, adds paragraph A2.2.23 Use of Force, and corrects **Table 4.1 Ground Training Requirements**. See the last attachment of the publication, IC 2001-1, for the complete IC. A “|” indicates revision from the previous edition.

5.9.4.2 DELETE

5.9.4.2.1 DELETE

5.9.4 DV Mission Certifications. Aircraft commanders will complete qualification and Inflight Refueling training requirements prior to DV Mission certification. DV mission flying training may be accomplished concurrently with qualification and/or Inflight Refueling training.

A2.2.23 Use of Force [G283]. Aircrew members will receive use of force training as members of arming group B, IAW AFI 31-207. After completion of training, the individual will receive a new AF Form 523, which will expire in one calendar year.

Table 4.1. Ground Training Requirements.

	PLT	FE	ACS	FA
<b>ONE TIME REQUIREMENTS:</b>				
Combat Survival Training; AFCAT 36-2223 (Note 2) [SS01]	X	X	X	X
Crew Resource Management (Initial); AFI 11-202 and AFI 11-290 (Note 3) [G231]	X	X	X	X
DoD High Risk Training (Initial); JSSA (level B/ level C) [LS14/LS15]	X	X	X	X
PACOC Class; AFI 11-2EC-137, Volume 1	X	X	X	X
Water Survival; AFCAT 36-2223 (Note 2) [WW01]	X	X	X	X
<b>REQUIRED AFTER PCS</b>				

	<b>PLT</b>	<b>FE</b>	<b>ACS</b>	<b>FA</b>
Fire Extinguisher Tng; AFOSH Std 91-56 [G022]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Local Area Survival; AFI 11-301 (Note 3,6) [LS01]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Marshaling Exam; AFI 11-218 (Note 3,7) [G002]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Unit/Theater Indoc; AFI 11-2EC-137, Vol 1 (Note 3,9) [G001]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 5 YEARS (to the end of the month)</b>				
Physiological Training; AFI 11-403 (Note 1) [PP11]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 36 MONTHS (to the end of the month)</b>				
High Threat, Combat Survival Continuation Training; AFSOCI 11-301 (Note 2) [LS02]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Water Survival Refresher Training; AFSOCI 11-301 (Note 2) [LS03]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 24 months (to the end of the month)</b>				
Aircraft Anti-Hijack; AFI 13-207 [G090]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Self Aid Buddy Care; AFI 36-2238 (Note 11) [G941]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Small Arms Training (M-9); AFI 36-2226 (Note 2) [G280]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 17 MONTHS (to the end of the month)</b>				
Aircrew Chemical Defense Training ; AFSOCI 11-301 (Note 2,8) [LS04]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Authentication/Ops Codes; AFI 11-2EC-137, Volume 1 [G081]	<b>X</b>		<b>X</b>	
Crew Resource Management; AFI 11-290 and AFI 11-2EC-137, Volume 1 (Note 3) [G230]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Egress Training, Non-ejection; AFI 11-301 (Note 1) [LS08]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

	<b>PLT</b>	<b>FE</b>	<b>ACS</b>	<b>FA</b>
IFF/SIF Procedures; NORADR 55-67, 55-68 (Note 2) [G082]	<b>X</b>		<b>X</b>	
Instrument Refresher Course AFI 11-202 V2 and AFMAN 11-210 (Note 3) [G130]	<b>X</b>			
Life Support Equipment Training; AFSO CI 11-301 (Note 2) [LS06]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Safe Passage; NORADR 55-67, theater directives (Note 2) [G062]	<b>X</b>		<b>X</b>	
Simulator Refresher Course; AFI 11-2EC-137, Volume 1 (Notes 3,4) [G251]	<b>X</b>	<b>X</b>		
Systems Refresher; AFI 11-2EC-137, Volume 1 (Notes 3,4,12) [G223]	<b>X</b>	<b>X</b>		
<b>REQUIRED EVERY 12 MONTHS (to the end of the individual's birth month)</b>				
Flight Physical; AFI 41-210 (Note 1) [PP01]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED EVERY 12 MONTHS (to the end of the month)</b>				
Antiterrorism/Force Protection Training AFI 31-210 [G110]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
CDTQT; AFI 11-2EC-137, Volume 1 (Notes 2,5,8) [LS17]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
DoD High Risk Training (Refresher); JSSA (level B/ level C) [LS14/LS15]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Ground Chemical Defense Ensemble; AFI 32-4001 (Notes 11) [G010]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Law of Armed Conflict; AFPD 51-401 [G100]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
Use of Force; AFI 31-207 [G283]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>REQUIRED SEMIANNUALLY</b>				
Buffer Zone Procedures; USAFEI 11-210/PACAFI 13-201 (Note 10) [G075]	<b>X</b>		<b>X</b>	

	<b>PLT</b>	<b>FE</b>	<b>ACS</b>	<b>FA</b>
ISOPREP; AFI 14-105 (Note 2) [G120]	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>

**NOTES:**

1. Grounding item. Crewmember will not fly until current in this item.
2. Mission Ready item. Crewmember restricted to training missions only.
3. Training status item. Crewmembers will fly in training status until current in this item
4. Completion of qualification or requalification including EC-137D simulator instruction satisfies the recurring requirement.
5. Noncurrency in this event will not prevent a crewmember from being scheduled for crew duties on an operational mission where this training is not required.
6. Required to be completed prior to the first local training flight.
7. Will be completed within 30 days of PCS.
8. Until unit equipment is obtained or aircraft modification is completed, this item does not apply.
9. Optional for personnel attached for flying when accompanied by unit assigned and theater indoctrinated personnel.
10. Semiannual requirement only required if mission necessitates operating in buffer zone regions (PACAF or USAFE area of responsibility).
11. Required within 90 days of assignment to a mobility position.
12. Not required for HQ AFSOC personnel.