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**CFETP 13LXX**  
**PARTS I and II**  
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**AFSC 13LXX**  
**AIR LIAISON OFFICER**



**CAREER FIELD EDUCATION AND  
TRAINING PLAN**

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## AIR LIAISON OFFICER (AFSC 13LXX)

<b>Table of Contents</b>	<b>Page Number</b>
<b>Part I</b>	
Preface	3
Abbreviations/Terms Explained	4
Section A: General Information	6
Purpose	
Use	
Coordination and Approval	
Section B: Career Field Progression and Information	7
Specialty Description	
Skill and Career Progression	
Career Development	
Section C: Proficiency Training Requirements	11
Purpose	
Specialty Qualification Requirements	
Other Qualification Requirements	
Section D: Resource Constraints	13
Purpose	
Entry Level Training	
Qualified Level Training	
Staff Level Training	
Section E: Training Documentation	14
Table 1: 13LX Standard Career Progression	15
Table 2: 13LX Standard Career Planning Matrix	16
<b>Part II</b>	
Section A: Course Training Standard (CTS)	17
Implementation	
Purpose	
Documentation	
Recommendations	
Section B: Training Course Index	38
Section C: Support Material	40
<u>Section D: MAJCOM Requirements</u>	<u>40</u>

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Certified by: COL JAMES JINNETTE (USAF/A3O-AC)  
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## **Part I**

### **Preface**

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle qualification, education and training requirements, training support resources, and minimum requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field initial training.
2. The CFETP consists of two parts. Supervisors plan, manage, and control training within the specialty using both parts of the plan. All references to “Level 2” certification will not apply until an updated Officer Classification Directory (OCD) is published. The estimated date for OCD publication is Nov, 2013.
  - 2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, experience and other mandatory requirements); and Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities.
  - 2.2. Part II includes the following: Section A identifies the Course Training Standard (CTS) and Training References (TRs) to support training, AETC conducted training and correspondence course requirements. It also includes duties, tasks, and technical references to support initial qualification training (IQT). Section B identifies training course index supervisors can use to determine resources available to support training. Included here are mandatory and optional courses. Section C identifies available support materials. An example is a Qualification Training Package (QTP), which may be developed to support proficiency training. Section D identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers will use Part II to identify, plan and conduct training commensurate with overall goals of this plan.
3. Using guidance provided in this CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate points in their career. This plan enables us to train today’s force for tomorrow’s capabilities.

## **Abbreviations and Terms Explained**

**Advanced Training (AT).** A formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

**Air Force Career Field Manager (AFCFM).** The individual charged with the responsibility for overseeing all training and career field management aspects of an Air Force Specialty.

**Air Force Specialty.** A group of positions requiring common qualification. Each AFS has a title and code.

**Air Force Job Qualification Standard/Command Job Qualification Standard (AFJQS/CJQS).** A comprehensive task list, which describes a particular job type or duty position; used by supervisors to document task qualifications. The tasks on an AFJQS/CJQS are common to all persons serving in the described duty position.

**Career Field Education and Training Plan (CFETP).** A CFETP is a comprehensive, multipurpose document encapsulating the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

**Core Task.** A task identified by the AFCFM as a minimum qualification requirement within an Air Force specialty.

**Course Objective List (COL).** A publication derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/4-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations.

**Course Training Standard (CTS).** An Air Education Training Command (AETC) specialized publication that specifies the level of performance and knowledge a student must possess upon graduation from a training course. It contains the specific job elements and functional knowledge and specifies levels of proficiency required in each. It is the prime qualitative course control document.

**Exportable Training.** Additional methods via computer assisted, paper text, interactive video, or other necessary means to supplement training.

**Initial Skills Training.** A formal resident course that results in award of the entry level skill.

**Qualification Training (QT).** Actual hands-on task performance training designed to qualify an individual in a specific duty position. This portion of the dual channel on-the-job training program occurs both during and after the upgrade training process. It is designed to provide the performance skills required to do the job.

**Qualification Training Package (QTP).** An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

**Resource Constraints.** Resource deficiencies, such as funding, facilities, time, manpower, and equipment that preclude desired training from being delivered.

**Specialty Training.** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade officers and airmen in each skill level of a specialty.

**Specialty Training Standard (STS).** An Air Force publication that describes an Enlisted Air Force Specialty in terms of tasks and knowledge which an individual in that specialty may be expected to know or perform on the job, and identifies the training provided to achieve a certain skill level within an enlisted AFS. It further serves as a contract between AETC and the functional user to show which of the overall training requirements for an Air Force Specialty Code (AFSC) are taught in formal schools and correspondence courses.

**Total Force.** All collective Air Force components (active, reserve, guard, and civilian elements) of the United States Air Force.

**Upgrade Training (UGT).** Mandatory training that leads to attainment of higher level of proficiency.

**Utilization and Training Workshop (U&TW).** A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determine career ladder training requirements.

## Section A – General Information

1. **Purpose.** This CFETP provides the information necessary for Air Force Career Field Managers (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. The plan outlines the training individuals in this Air Force Specialty (AFS) should receive in order to develop and progress throughout their career. This plan identifies initial skills and some follow-on training courses. Initial qualification is the AFS specific training an officer requires for entry into the Air Force or upon retraining into this specialty for award of the 1-skill level, and prior to the award of the 3- skill level. Some of this training is conducted by AETC at one of the technical training centers and some will be conducted at USAF Air Combat Command and US Army bases. It is designed to provide the performance skills/knowledge required to do the job. Follow-on/Advanced training is formal specialty training for selected officers on an as-available basis. This CFETP has several purposes, to include but not limited to:

2. **CFETP Utilization.** The plan will be used by MFMs, commanders and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop and revise formal resident, nonresident, field and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the Career Field Manager (CFM) to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade and proficiency requirements. OJT, resident training and contract training or exportable course can satisfy identified requirements. MAJCOM- developed training, to support this AFSC, must be identified for inclusion in this plan.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. **Coordination and Approval.** AF/A3O is the approval authority. Also, the AFCFM will initiate an annual review of this document to ensure currency and accuracy. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

## Section B – Career Field Progression and Information

4. **Specialty Description.** The Air Liaison Officer (ALO) specialty (13LXX) is the senior Tactical Air Control Party member who functions as the primary advisor to the ground commander on Airpower. This specialty conducts strategic, operational and tactical level planning, and provides battle staff expertise, advocacy, liaison, and offensive air support C2 operations and employment in the conduct of combat operations.

4.1. Specialty Summary. The ALO leads, plans, organizes, and supervises day-to-day Tactical Air Control Party (TACP) and Air Support Operations Center (ASOC) operations and personnel both in garrison and while deployed. The ALO represents the Joint/Combined Forces Air Component Commander as a supporting member of the Army Commander's staff at the Battalion through Corps echelons in a coalition, joint, or interagency force. The ALO provides subject matter expertise to lead, plan, and execute Command-and-Control and terminal control of Air, Space, and Cyber operations in direct support of land component forces from Battalion through Corps, or as required, as part of a coalition, joint, or interagency force. The ALO may engage enemy forces utilizing advanced technologies and weapon systems to direct lethal and non-lethal fires and effects in close proximity to friendly forces as a Joint Terminal Attack Controller (JTAC).

**Note:** The initial skills training in this CFETP is designed to create a mission qualified ALO. The new 13L will require oversight and development by senior ALOs and other Liaison Officers (LNO) as they develop their Airpower expertise and function as Air Liaison Officers. At some point, as determined by the unit commander, the 13L ALO will become ready for increased responsibility, authority, and autonomous operations in various positions of the Battalion through Corps TACP and ASOC.

4.2. Leads, plans, and organizes TACP and ASOC operations. Advises and educates ground commanders on all aspects of air, space, and cyber power and integration of air, space, and cyber assets into the ground scheme of maneuver. Plans, processes, requests and conducts infiltration, surface movement, and ex-filtration functions with ground maneuver forces of operations that include air, space and cyber resources. Performs specified small unit tactics, mounted and dismounted navigation, and operates tactical combat vehicles in austere field conditions and environments.

4.2.1. Additional Responsibilities. Plans, coordinates, and conducts joint fires to include close air support (CAS), air interdiction (AI), intelligence, surveillance and reconnaissance (ISR), and suppression/destruction of enemy air defenses (SEAD/DEAD). Oversees integration and effects of electronic warfare (EW) missions. Provides command and control and de-confliction of air and space assets directly supporting land component combat maneuver units. Synchronizes Air, Space, and Cyber operations with Army maneuver/Fires through the Military Decision Making Process (MDMP), or other planning processes, to deliver and integrate lethal and non-lethal fires to enable joint and maneuver commanders to dominate their operational environment across the spectrum of conflict. Engages enemy forces utilizing advanced technologies and weapon systems to direct lethal and non-lethal fires and effects in close proximity to friendly forces. Employs visual and electronic marking equipment to direct airborne assets to desired targets or area of interest. If JTAC qualified, issues weapons release clearance during terminal attack control operations.

4.3. Instructions for 13L candidates can be found at the ACC/A3FC Portal Page:  
<https://www.my.af.mil/gcss-af/USAF/ep/globalTab.do?channelPageId=s6925EC1344720FB5E044080020E329A9>  
Application instructions and eligibility requirements are available for download and review.

4.3.1. 13L Candidate selection is accomplished differently based on the applicant's military status. The selection process is defined by three candidate groups:

4.3.1.1. Current Active Duty Applicants. Active duty officers will apply via the Phase I process (see paragraph 4.3.2.1.). Upon Phase I selection, candidates will then attend the Phase II ALO Aptitude Assessment (see paragraph 4.3.2.3.). Active duty enlisted applicants must first apply and be accepted to attend Officer Training School (OTS). Once the applicant has secured an OTS slot, the applicant may then apply for Phase I (see paragraph 4.3.2.1.). The enlisted member's Phase I package must include their anticipated class start and graduation dates for OTS.

4.3.1.2. AFROTC and USAFA Cadet Applicants. Cadets will be categorized via the non-boarded AFPC process conducted by AFPC and will normally be categorized during their junior year of college. AFPC/DPSIP will select the most highly qualified cadets for the 13L AFSC based on criteria defined in the Air Force Officer Classification Directory. Once selected for 13L AFSC, cadets will attend the Phase II ALO Aptitude Assessment. Member may attend in either cadet status or upon commissioning. Attendance in cadet status is the preferred option.

4.3.1.3. OTS Applicants. Prior 1C4, 1C2, 1W0X2, and 1T2, OTS candidates will first apply for the non-rated OTS board and designate 13L as their choice for AFSC. If selected, applicants will submit a Phase I package and be reviewed for entry into the AFSC. If not selected for 13L AFSC, OTS applicants may choose another AFSC or decline OTS. No OTS applicants other than those listed above will be considered for 13L.

4.3.2. 13L Candidate Selection Process. The 13L candidate selection process consists of two phases for applicants. The first phase is the Phase I records review. The second phase is the Phase II ALO Aptitude Assessment (AAA).

4.3.2.1. Active Duty Phase I Selection Procedures. The Phase I consists of applicants submitting an application package. The format and content of the 13L application package is available on the ACC/A3FC Portal Page (see para. 4.3.). The Phase I process is conducted periodically, based on accession requirements/goals, by ACC/A3FC and/or the HAF 13L CFM. The board reviews application packages and selects the most qualified candidates to attend the Phase II ALO Aptitude Assessment. The board will select a number of 13L candidates which will ensure enough Phase II graduates to fill current accession goals (based on historical Phase II attrition rates). The Phase I process for 13L candidates is executed and funded by ACC/A3FC.

4.3.2.2. Air National Guard (ANG) Selection Procedures. ANG squadron commanders will select 13L applicants by conducting their own records review and physical fitness assessments. This will constitute



accomplishment of Phase I. ANG candidates will then follow the same training progression beginning with Phase II as described by paragraph 4.3.2.2. above. NOTE: ANG will provide funding for ANG AAA candidates.

4.3.2.3. Phase II ALO Aptitude Assessment (AAA). The Phase II AAA is an assessment program that all ALO applicants (AD, Cadet, ANG) must attend prior to entering 13L Initial Qualification Training (IQT). The Phase II AAA is a physically and mentally demanding 5-day program designed to select the most qualified applicants for the career field. More information on the Phase II AAA can be found at the ACC/A3FC Portal Page (see para. 4.3.). Attendance can be waived by the CFM based on candidate experience. **Note:** The Phase II AAA is funded by ACC/A3FC and executed by 93AGOW.

4.4. 13L ALO Initial Qualification Training (IQT). 13L IQT requires attendance at AF/AETC, AF/ACC, and US Army courses to meet IQT requirements as identified within the CFETP CTS.

4.4.1 After successful selection by the 13L ALO Phase I and II screening process, trainees will be entered into the 13L ALO IQT training pipeline. (AD retrainees will remain at their Permanent Duty Station – PDS. New accessions will report to their PDS prior to starting the pipeline.) The desired order of completion is as follows:

4.4.1.1. ALO Preparatory Course (ALOPC)\*, Lackland AFB, TX

4.4.1.2. ALO Basic Course (ALOBC)\*, Hurlburt Field, FL

4.4.1.3. Combat Survival (SV-80A), Fairchild AFB, WA

4.4.1.4. Joint Firepower Course (JFC), Nellis AFB, NV

4.4.1.5. ALO Qualification Course (ALOQC), Nellis AFB, NV

4.4.1.6. Joint Fires Observer Course (JFO)\*, Fort Sill AIN, OK

**Note:** TACP Apprentice Course (L3ABP1C431 0T0B) will satisfy ALOBC requirement until the ALOBC Course is certified and implemented.

**Note:** Courses may be completed in a different order than above based on scheduling availability, but the ALOQC must follow the ALOBC and should precede the other courses.

**Note:** Combat Survival may be completed at any time in the ALO pipeline.

**Note:** 13L ALOs are required to attend the US Army Airborne Parachutist Course following IQT completion if their first ALO assignment is to a jump-coded position.

4.4.2 All 13L ALO students will establish membership/connectivity to the following websites during ALOBC in-processing:

4.4.2.1. Army Knowledge Online (AKO) Account (<https://www.us.army.mil>)

4.4.2.2. Joint Knowledge Online (JKO) Account (<http://jko.jfcom.mil>)

4.4.2.3. Log-on to AF Portal (<https://www.my.af.mil>)

4.4.3. Rated ALO personnel. This CFETP only addresses rated ALO training as it applies to holding a 13L Primary AFSC. It does not apply to rated ALOs with a 13L Duty AFSC.

**5. Skill and Career Progression.** Adequate training and timely progression from initial qualification through ALO, Fighter Duty Officer (FDO), Joint Terminal Attack Controller (JTAC), instructor, evaluator, and staff level responsibilities play an important role in the ALO's ability to accomplish the Air Force mission. It is essential that everyone involved in training do their part to plan, manage, and conduct an effective training and development program. The guidance provided in this part of the CFETP will ensure each individual officer receives viable training at the appropriate points in his career.

5.1. Entry (13L1) Level. In this specialty, the 1-level is awarded upon entering into the 13L ALO pipeline training (prescribed below). For entry into AFSC 13L1, successful completion of the ALO Aptitude Assessment (AAA) is required. Initial Qualification Training (IQT) consists of the task and knowledge training requirements identified in the CTS (Part II, Section A) and provided throughout the pipeline courses listed in Part II, Section B.

The below courses are required to be awarded the 13L1 skill level:

- Air Liaison Officer Preparatory Course (ALOPREP)\*
- Air Liaison Officer Basic Course (ALOBC)\*
- Combat Survival Training, S-V80-A (SERE)
- Joint Firepower Course (JFC – Nellis)
- Air Liaison Officer Qualification Course (ALOQC)
- Joint Fire Observer Course (JFO)\*

5.2. Intermediate (13L2) Level: Awarded upon successful completion of 13L1, designated CTS items, and CMR certification IAW AFI 13-113v1.

5.3. Qualified (13L3) Level. Award of the 3 skill level will be upon completion of designated CTS items, JTAC qualification and certification IAW AFI 13-112v1, AFI 13-112v2, and a minimum of one year in a position with operational experience in ALO duties. JTAC requirement for 3-level is waivable by first O-6 in the chain of command.

5.4. Staff (13L4) Level. In this specialty, award of the 4-level occurs upon being assigned to a staff position above wing level. Normally, the 13L4 ALO will have eight years of experience in ALO and/or FDO operations unless waived by the CFM prior to being assigned to a staff position.

**6. Career Development.** AF/A1 mandates that each AFSC develop a career development plan to illustrate the professional and specialty knowledge expected at various chronological check points in an officers' career.

6.1. 13LX Standard Career Progression: Table 1, page 15.

6.2. 13LX Standard Career Planning Matrix: Table 2, page 16.

6.3. 13LX Advanced Training (AT). *TBD*

**Note:** Items marked by \* signifies items that are not required for rated ALOs (AFSC's 11XX, 12XX, 13B) prior to being awarded a 13L3 Duty AFSC.

## **Section C – Proficiency Training Requirements**

**7. Purpose.** Proficiency training requirements are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for entry, award and retention of each AFS level. The specific task and knowledge training requirements are identified in the CTS and Training Course Index at Part II, Section A and B of this CFETP.

### **8. Specialty Qualification Requirements.**

**8.1. Knowledge.** The following knowledge is required for award of the AFSC indicated:

**8.1.1. 13LX.** Joint Doctrine; Theater Air-Ground System; Theater Air Control System/Army Air- Ground System; utilization of Joint planning products (to include: Air Tasking Order [ATO], Airspace Control Order [ACO], Special Instructions [SPINS], Rules of Engagement [ROE]) to support air, space, and cyber operations; CAS and Joint Fires planning and employment tactics, techniques, and procedures (TTPs); military decision making process; joint fires integration; theater air, space, and cyber operations to include: weapons systems and munitions characteristics, capabilities and effects; aircraft employment; radio/digital communications systems and employment. Air and Space ISR, EW, and SEAD/DEAD capabilities; targeting systems; personnel recovery; cyberspace operations; combat field skills to include tactical communications; tactical data link systems; computer procedures and equipment; antenna theory; map reading, global positioning equipment, navigation techniques, military symbology; specified small unit tactics; close quarter combat; signaling and marking; individual and crew-served weapons employment; battlefield lifesaving procedures; chemical warfare defense equipment. Applies knowledge of operational risk management; Joint, Air Force and Army manuals, instructions, technical orders, and regulations; physical readiness; ASOC and TACP vehicle and support equipment operations, management, and operator maintenance; Air Force and Army supply and mobility procedures; Air Force and Army organization, command and unit staff functions, and taskings.

**8.1.2 . 13LXA.** Weapons control, airspace and data link management, senior air director functions, or command and control (C2) operations support of CAS, AI, EW, ISR, SEAD/DEAD platforms; air control TTPs; radio and data link capabilities; aircraft performance characteristics and armament; radio and telephone procedures and phraseology; operating procedures and relationship among air, ground, and naval forces and effective use of their combined resources; inter-operability, and integration of command, control, communications, computers, and intelligence (C4I) systems.

**8.1.3. 13LXJ.** Terminal attack control operations; in-depth knowledge of air and ground system capabilities, limitations, and employment TTPs.

**8.2. Education.** For entry into this specialty, undergraduate academic specialization in a technical discipline with courses in administration and management is desirable.

**8.3. Training.** Completion of the following training courses is mandatory for the permanent award of 13LXX AFSC.

**8.3.1. Initial Skills Pipeline:**

**8.3.1.1. Air Liaison Officer Preparatory Course (ALOPREP)\***

**8.3.1.2. Air Liaison Officer Basic Course (ALOBC)\***

**8.3.1.3. Combat Survival Training, S-V80-A (SERE)**

**8.3.1.4. Joint Firepower Course (JFC – Nellis)**

8.3.1.5. Air Liaison Officer Qualification Course (ALOQC)

8.3.1.6. Joint Fire Observer Course (JFO)\*

8.3.2. Modified 13L Training Pipeline. Completion of the following training courses is mandatory for the permanent award of 13LX AFSC for former 1C4X1 or other JTAC-qualified personnel. In order to attend the modified 13L training pipeline, these former enlisted personnel must have performed TACP or JTAC duty within the previous 5 years, and be approved by the 13L CFM. The following courses are required:

8.3.2.1. Air Liaison Officer Qualification Course (ALOQC).

8.3.2.2. US Army Joint Fires Observer (JFO) Course (if not previous JTAC qualified).

8.3.2.3. Combat Survival Training, S-V80-A (SERE), if not previously accomplished.

8.3.3. 13L AFSC Levels.

8.3.3.1. 13L2: Completion of an ALO Mission Qualification Training syllabus.

8.3.3.2. 13L3: Completion of designated CTS items, JTACQC and unit-level JTAC training.\*\*

8.3.3.3. 13L4: MAJCOM approved training.

**Notes:**

\* signifies items that are not required for rated ALOs (AFSC's 11XX, 12XX, 13B) prior to being awarded a 13L3 Duty AFSC.

\*\* The JTAQ requirement will not be mandatory until publication of the Feb 2013 OCD is complete (estimated publication Oct 2013). Confirmation of OCD publication will be made from HAF via the ACC/A3FC – TACP/ASOC SYSTEMS BRANCH website on the AF Portal.

**9. Other Qualification Requirements.** In addition to the training identified in paragraph 8.5, the following items are required for award of the AFSC indicated:

9.1. For entry into AFSC 13LX:

9.1.1. Physical qualifications for Ground Based Controller (GBC) and Depth Perception IAW AFI 48-123, *Medical Examinations and Standards* for 13LX Air Liaison Officer. GBC physical standards are the minimum required; rated ALOs will typically hold a Flying Class I Flight Physical which meets all requirements for GBC. If a rated ALO has been physically disqualified from flying duties, the officer must meet GBC standards to serve as an ALO.

9.1.2. Successful completion and recommendation from the 13L Phase II ALO AAA.

9.2. For award and retention of 13LX:

9.2.1. Specialty requires routine access to Top Secret/Special Compartmentalized Information (TS/SCI) or similar environment and completion of a current Single Scope Background Investigation (SSBI) according to AFI 31-501, *Personnel Security Program Management*.

**Note:** Award of entry level without a completed SSBI is authorized provided an interim TS/SCI security clearance has been granted according to AFI 31-501.

9.2.2. Maintain Ground Based Controller and Depth Perception medical standards IAW AFI 48-123, *Medical Examinations and Standards* for 13LX Air Liaison Officer.

9.2.2.1. Maintain Flying Class III Flight Physical standards IAW AFI 48-123, *Medical Examinations and Standards* for any 13LX Air Liaison Officers assigned to a TACP UTC position requiring Airborne qualification and currency, or prior to attending Airborne training.

9.2.3. Cross-trainees. Unique requirements for cross-training personnel entering the ALO career field and award of AFSC 13L3 are as follows:

9.2.3.1. Individuals must enter training prior to their 11th year of Commissioned Service unless waived by the CFM.

9.2.4. Former enlisted must have performed TACP or JTAC duty within previous five (5) years in order to enter a modified 13L2 training program (see paragraph 8.3.2.).

9.3. Aeronautical Experience. 13L should be provided opportunities to gain an “air perspective.” TACP commanders will ensure their ALOs are exposed to air operations when possible (i.e. familiarization flights with CAS aircraft platforms, academics and cross-talk with rated ALOs, briefing and de-briefing CAS missions with aircrew when available).

## **Section D – Resource Constraints**

10. Purpose. This section identifies known resource constraints precluding optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included.

11. Entry Level Training:

11.1. Formal School Constraint. ALO Prep and TACP Apprentice courses are constrained courses, which limits the total number of student entries. Constraints include limited dorm rooms, equipment and classroom size. Other resource constraints are based on the 13L pipeline training CRE, engagement with US Army Training and Doctrine Command (TRADOC), and USAF funding decisions.

11.2. Follow-on School Constraint. Requirements will be fulfilled by unit training until ALO FTU is funded.

12. Qualification Level Training. All 13LX are required to attend all courses listed in Part II, Section B, Initial Skills Pipeline Courses, prior to pipeline completion and awarding of the primary AFSC.\*

13. Staff Level Training: No constraints exist.

**Note:** \* Refer to paragraph 8.3 Note for rated ALOs.

## **Section E – Documentation**

14. Training records. An individual training and evaluation folder will be maintained for all 13L ALO personnel.

15. Records Documentation. Documentation is an important part of the training and evaluation process. Concise and factual documentation provides a history of tasks accomplished and the conditions under which they were accomplished. Proper documentation supports the trend analysis program, an important part of the command and unit cross-tell programs. Improper documentation results in an incomplete picture of the individual's performance and may hinder the commander/supervisor as they prepare the individual for career development or re-trains the officer for re-qualification evaluation.

15.1. An individual training and evaluation folder will be opened at the officer's 13L permanent unit and will be transferred with the 13L ALO upon each permanent change of assignment. Unless on Temporary Duty, the Tab 5, Evaluation Record, will be located in the Standards and Evaluations (Stan/Eval) section for security of evaluation documents. Maintenance responsibility for the folder is shared by Stan/Eval and training sections per direction in paragraph 16.

16. Training documentation format requirements are described in AFI 36-2201, *Air Force Training Program*, paragraph 6.8.

**Table 1. 13LX Standard Career Progression**

Year of Service	Training / Assignment	Rank	Level / Job
0	ALO Pipeline (9-10 mo)	2Lt	Student/Upgrade Training (1 Skill-Level)
1-2	<b>Initial Assignment:</b> Air Support Operations Squadron (TACP) <ul style="list-style-type: none"> <li>ALO Mission Qualification Training</li> <li>JTAC Qualification Course</li> </ul>	1Lt	Assistant Flight CC/Squadron Staff (2 Skill-Level) <ul style="list-style-type: none"> <li>Combat Mission Ready ALO</li> <li>Operational TACP</li> <li>Combat Mission Ready JTAC</li> </ul>
2-4	13L3 Upgrade Training <ul style="list-style-type: none"> <li>Supplemental Skills Training</li> </ul>	1Lt-Capt	Assistant Flight CC/Squadron Staff (3Skill-Level) <ul style="list-style-type: none"> <li>JTAC</li> <li>Operational TACP</li> </ul>
4-7	<b>2<sup>nd</sup> Assignment</b> <ul style="list-style-type: none"> <li>ASOS (TACP or ASOC)</li> <li>ALOB/ALOQC/ASOCQC</li> <li>JTAC-Instructor/Evaluator Upgrade</li> <li>Squadron Trainer/Certifier (IAW AFI 13-113V1)</li> </ul>	Capt	Flight CC or Squadron Staff <ul style="list-style-type: none"> <li>Operational TACP or ASOC</li> <li>Schoolhouse Instructor</li> <li>Sq Trainer / Certifier</li> <li>JTAC-I / JTAC-SEE</li> <li>Weapons Instructor Course (WIC)</li> </ul>
	<i>Basic Developmental Education</i>		PME
7-9	<b>3<sup>rd</sup> Assignment</b> <ul style="list-style-type: none"> <li>ASOS/ASOG (ASOC/TACP)</li> <li>Career Broadening</li> </ul>	Capt	ADO, Group/Wing Staff <ul style="list-style-type: none"> <li>ASOC/BDE TACP</li> <li>BDG, AOC, Officer Accessions</li> <li>Exchange</li> </ul>
9-11	<b>4<sup>th</sup> Assignment</b> <ul style="list-style-type: none"> <li>ASOG/AGOW</li> <li>Career broadening</li> <li>Staff assignment</li> </ul>	Maj	Group/Wing/NAF Staff (4 Skill-Level) Branch Chief <ul style="list-style-type: none"> <li>AOC</li> <li>HAF/MAJCOM/Joint Staff</li> <li>Exchange</li> </ul>
	<i>Intermediate Developmental Education</i>	Maj	PME
13-18	<b>5<sup>th</sup> Assignment</b> <ul style="list-style-type: none"> <li>ASOS (TACP or ASOC)</li> </ul>	Maj-Lt Col	Sq DO/CC or Group/Wing Staff
	<i>Senior Developmental Education</i>		PME
19-20	<b>6<sup>th</sup> Assignment</b> <ul style="list-style-type: none"> <li>ASOG/AGOW</li> </ul>	Lt Col	ASOG/CD, HHQ Staff
20+	<b>7<sup>th</sup> Assignment</b> <ul style="list-style-type: none"> <li>ASOG/AGOW/Staff</li> </ul>	Col	HHQ Staff, Group/CC, Wing/CC

**Notes:**

- An officer entering the career field directly from an officer commissioning source should anticipate 2 or 3 assignments at the TACP and ASOC squadron level, and the remainder determined by the needs of the career field and individual career progression/development.
- Cross-trained/Prior Enlisted officers may accomplish applicable training/job portions of this career path, on an abbreviated timeline, on a case-by-case basis, and in accordance with Commander's discretion.

**Table 2. 13LX Standard Career Planning Matrix**

<b>13LX STANDARD CAREER PLANNING MATRIX</b>					
<b>Level</b>	<b>Core Assignment</b>	<b>Core Experiences</b>	<b>Education</b>	<b>Training</b>	<b>Developmental Assignments (DIDs)</b>
<b>Tactical</b>	Assistant Flight/CC Flight Commander Instructor Assistant Director of Ops Evaluator	AEF/JFEX Mobility Logistics Planning Deployment JTF Staff	BDE AFIT JPME I	IQT/MQT JTACQC ASOCQC Pathfinder Air Assault Airborne Jumpmaster Ranger School WIC	80C – Cadet Sq/Cc, USAFA 81C – Training CC, OTS 81T – Instructor 88A – Aide-de-Camp 88P – Protocol
<b>Operational</b>	Sq/CC/DO Gp/CC/DO MAJCOM Joint Duty	Command Staff Planning Logistics Programming Budgeting	IDE JPME II	JOFEC JOPES CWPC Sq/CC Course Gp/CC Course	16F – Foreign Area Officer 63A – Acquisitions 81T – Instructor 87G – Inspector General
<b>Strategic</b>	Wing/CC MAJCOM HAF Unified Commands Joint Staff	Command Staff Planning Programming Budgeting Personnel	SDE	PPBS Wg/CC Course	63A – Acquisitions



## **PART II**

### **Section A – Course Training Standard (CTS)**

1. Implementation (effective 1 October 2012). This CTS will be used for technical training provided by AETC/ACC. Courses listed in Section B will fulfill 13L ALO initial training requirements until the implementation of this CFETP.

2. Purpose. The purpose of this CTS is to identify core specialty tasks required by the functional user to accomplish the mission of an ALO. This CTS describes an ALO in terms of tasks and knowledge which an individual in this specialty may be expected to perform after initial qualification training, and identifies the training provided. This CTS serves as a contract between AETC and the functional user to show which of the overall initial training requirements for the Air Force Specialty Code 13L1 are taught in formal schools.

3. Documentation.

3.1. Column 1. Task, Knowledge, and Technical References. This column identifies the core tasks and knowledge necessary for officers to perform duties in the 1, 2, and 3 levels. It also provides technical references (TR). Task statements are numbered sequentially (i.e. 1.1, 1.2, and 2.1.)

3.2. Column 2. Initial skills pipeline courses providing required initial skill training. This column identifies initial pipeline training courses which instruct the required tasks and knowledge identified in Column 1, to the 1 level identified in Column 3.

3.3. Column 3. 13L1 Initial Qualification Training (IQT) Proficiency Code. This column identifies tasks and knowledge acquired during the AFSC awarding initial qualification training pipeline. Behavioral statement codes are used to indicate skill level performance required. This column indicates the proficiency to be demonstrated by the graduate as a result of training on the task and knowledge. Each CTS task has a documented behavior code. The details of each statement and the verb selected reflect the level of training required. ALO initial qualification requirements do not change for wartime courses. Performance coding is explained in the Proficiency Code Key, Table 3.

3.4. Column 4. 13L2 Proficiency Code. Final qualification standards for 2 level. Note some CTS line items are unit-trained. AFI 13-113 v1 requirements not repeated.

3.5. Column 5. 13L3 Proficiency Code. Identifies training requirements in addition to JTAC qualification.

4. Recommendations. Report unsatisfactory performance of individual course graduates to 37 TRG/DOS, 1220 Truemper Drive, Lackland AFB, TX 78236-5717. Cite a reference to specific CTS paragraphs. A Customer Service Information Line (CSIL) has been installed for the supervisor's convenience to identify graduates who may have received over or under training on tasks/knowledge items listed in this CTS. For a quick response to problems, call our CSIL, Defense Switched Network (DSN) 473-2917.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

BURTON M. FIELD  
Lieutenant General, USAF  
DCS, Operations, Plans, and Requirements

**Table 3.**

<b>Proficiency Code Key</b>		
	<b>Scale Value</b>	<b>Definition: The individual</b>
<b>Task Performance Levels</b>	<b>1</b>	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (extremely limited)
	<b>2</b>	Can do most parts of the task. Needs only help on hardest parts. (partially proficient)
	<b>3</b>	Can do all parts of the task. Needs only a spot check of completed work. (competent)
	<b>4</b>	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (highly proficient)
<b>*Task Knowledge Levels</b>	<b>a</b>	Can name parts, tools, and simple facts about the task. (nomenclature)
	<b>b</b>	Can determine step-by-step procedures for doing the task. (procedures)
	<b>c</b>	Can identify why and when the task must be done and why each step is needed. (operating principles)
	<b>d</b>	Can predict, isolate, and resolve problems about the task. (advanced theory)
<b>**Subject Knowledge Levels</b>	<b>A</b>	Can identify basic facts and terms about the subject. (facts)
	<b>B</b>	Can identify relationship of basic facts and state general principles about the subject. (principles)
	<b>C</b>	Can analyze facts and principles and draw conclusions about the subject. (analysis)
	<b>D</b>	Can evaluate conditions and make proper decisions about the subject. (evaluation)
<b>Explanations</b> * A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b) ** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task or for a subject common to several tasks. (/x) This mark is used alone in 13L1 1-Level column to show that training is required but not given due to limitations in resources. - This mark is used alone instead of a scale value to show that no proficiency training is provided in the course <b>Note:</b> All knowledge tasks do not have a verb associated with the task. The verb will be identified during the POI Part I and II development. All performance tasks will have a verb associated with the task.		

## SPECIALTY INDEX

AREA	PAGE
1. PHYSICAL READINESS TRAINING	20
2. TACTICAL AIR CONTROL PARTY	21
3. COMBAT FIELD SKILLS	24
4. COMMUNICATIONS	28
5. LIAISON DUTIES/RESPONSIBILITIES AND AIR-GROUND INTEGRATION	31

### Section A – Course Training Standard

#### AIR LIAISON OFFICER, AFSC 13L, COURSE TRAINING STANDARD

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>1. Physical Readiness Training</b> TR: AFI 36-2905, FM 21-18, TC 21-21, MCO 1500.52D See Note 3				
1.1 Maintain AF Physical Fitness Standards	ALOBC	3b		
1.2 Perform Foot Marches	ALOBC	3b		
1.3 Perform Combat Water Survival	ALOBC	2b		
<b>1.4 Air Force Occupational Safety and Health Program</b> TR: AFM 32-4005, AFMAN 91-201, AFI 91-302, OSHA Standards 127-43, 127-56, 127-66, 166-10)				
<b>1.4.1 Hazards of TACP Operations</b>				
1.4.1.1 High voltage		–		
1.4.1.2 RF energy		–		
1.4.1.3 LASER energy		–		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>2. Tactical Air Control Party (TACP) career field management/progression</b> TR: ALO MQT Plans, 50 Years of TACP History, AFI 13-112, 13-113, 13-114, AFI 11-214, AFI 13-217, AF Officer Classification Directory (AFOCD), applicable CFETP Part Is , JP 3-02, JP 3-09, JP 3-09.3, JP 3-30, JP 3-52, JP 3-60, AFTTP 3-2.6, AFTTP 3-2.16, AFTTP 3-2.17, AFTTP 3-1v1, AFTTP 3-1v26, TACP Enabling Concept, JFIRE, AFDD 2-1, UCMJ, AFI 25-201, DoDR 4000.19-R, Army-AF MOA for Liaison Support, JFO MOA, JTAC MOA, AFTOs 0-1-01, 00-5-1, JP 1-01.1				
<b>*2.1 Publications Familiarity</b> TR: Army Knowledge Online, AF E-PUBS/Publishing, Joint Electronic Library)				
2.1.1 Joint Publications (CAS and Fires)	ALOQC (B)	B		
2.1.2 AF Publications (AF Doctrine/Instructions applicable to CAS, Battle Mgt C2, AFTTP, and training)	ALOQC (B)	B		
2.1.3 AF Forms	ALOQC (B)	B		
2.1.4 Sister Service publications	ALOQC (A)	A		
<b>2.2 Support Agreements</b> TR: AFI 25-201, DoDR 4000.19-R, Army/AF MOA for Liaison Support, JFO MOA, JTAC MOA)				
2.2.1 Inter-Service Support Agreements (ISSAs)	ALOQC (A)	A	B	
2.2.2 Host-tenant agreements	ALOQC (A)	A	B	
2.2.3 Memorandum of Agreements (MOA)	ALOQC (B)	B		
2.2.4 Memorandum of Understanding (MOU)	ALOQC (A)	A		
<b>2.3 TACP Capabilities and Limitations of:</b> TR: JP 3-02, JP 3-09, JP 3-09.3, JP 3-30, JP 3-60, AFTTP 3-2.6, AFTTP 3-2.16, AFTTP 3-2.17, AFTTP 3-1v1, AFTTP 3-1v26, TACP Enabling Concept, ASOC Enabling Concept				
2.3.1 Corps	ALOQC (B)	B		
2.3.2 Division	ALOQC (B)	B		
2.3.3 Brigade	ALOQC (B)	B		
2.3.4 Battalion	ALOQC (B)	B		
2.3.5 TAC Team	ALOQC (B)	B		
2.3.6 ASOC	ALOQC (A)	A	B	

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>2.4 TACP Duties and Responsibilities:</b> TR: JP 3-09.3, TACP Enabling Concept, AFTTP 3-2.6 TR: JP 3-09.3, AFDD 2-1 TR: AFDD 2-6.1 AFI 13- 112/13-113/13-114 Vol. 1, and 3, JP 3-09, JP 3-09.3, JP 3- 52, AFTTP 3-1.26, 7FVXX Unit Type Code, ASOS DOC statements, ADRP 3-09, ADRP 6-0				
*2.4.1 Army's main command post (Tactical Operations Center)	ALOQC (B)	B		
*2.4.2 Assault Command Post (Tactical Command Post)	ALOQC (B)	B		
*2.4.3 Army Fire Support Coordination	ALOQC (A)	A		
*2.4.4 TACP/JTAC experience level planning	ALOQC (B)	B		
*2.4.5 Observation plan	ALOQC (B)	B		
*2.4.6 JTAC/JFO employment vs. Ground Force Commander's intent	ALOQC (B)	B		
*2.4.7 Daily TACP operations leadership (Organize, Train, & Equip...mentor and develop)	ALOQC (B)	B		
*2.4.8 TACP Battle Tracking Requirements	ALOQC (B)	B		
*2.4.9 Develop Situation Report (SITREP)	ALOQC (2b)	2b		
+*2.4.10 Information flow between TACP echelons	ALOQC (b)	b	B	
*2.4.11 Integrate with Army staff functions	ALOQC (B)	B	2b	
*2.4.12 Air Mobility Liaison Officer (AMLO)	ALOQC (A)	A	B	
*2.4.13 Intelligence, Surveillance and Reconnaissance Liaison Officer (ISR LNO)	ALOQC (A)	A	B	
*2.4.14 Space LNO	ALOQC (A)	A	B	
*2.4.15 Electronic Warfare LNO (EW LNO)	ALOQC (A)	A	B	
<b>*2.5 Deployed Operations:</b> TR: AFTTP 3-3v26, AFTTP (I) 3-2.18, TC 24-21, ADRP 3-09				
2.5.1 Deployed asset management	ALOQC (B)	B		
2.5.2 EASOS/EASOG and TACP/ASOC organization, tasking, command relationships	ALOQC (B)	B		
+2.5.3 Setup TACP communications infrastructure	ALOQC (B)	B	b	

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
2.5.4 Interact/operate with fires cell	ALOQC (b)	b	2b	
+2.5.5 Communicate and coordinate requirements with tactical joint C2 centers	ALOQC (b)	b		
+2.5.6 Communicate and coordinate requirements with operational joint C2 centers	ALOQC (b)	b		
<b>2.6 Career Field Management/Progression</b> TR: ALO CFETP				
2.6.1 13L ALO career field management/progression	ALOQC (A)	A	B	
2.6.2 1C4X1 TACP career ladder	ALOQC (A)	A	B	
<b>*2.7 UTC Manpower and Equipment of:</b> TR: 7FVXX UTCs, LOGDETs, MANFORs, MISCAPs				
2.7.1 Corps TACP	ALOQC (B)	B		
2.7.2 Division TACP	ALOQC (B)	B		
2.7.3 Brigade TACP	ALOQC (B)	B		
2.7.4 Battalion TACP	ALOQC (B)	B		
2.7.5 TAC Team	ALOQC (B)	B		
2.7.6 ASOC		—	B	
<b>*2.8 Mobility Deployment Processes of:</b> TR: AFI 10-401, AFI 10-403, AFI 11-214, AFI 13-217				
2.8.1 TACP Mobility Requirements	ALOQC (A)	A		
2.8.2 Joint TPFDD process	ALOQC (A)	A		
2.8.3 Army mobility and deployment process	ALOQC (A)	A		
2.8.4 AEF and ARFORGEN constructs	ALOQC (A)	A		
2.8.5 TACP logistics support processes	ALOQC (A)	A		
<b>*2.9 Specialized TACP Equipment</b> TR: Operator's Manual				
2.9.1 Operate Thermal imager	ALOQC (a)	a		
2.9.2 Radar beacon	ALOQC (A)	A		
+2.9.3 Operate LASER target designator	ALOQC (a)	a		
2.9.4 Operate IR Pointer	ALOQC (a)	a		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
2.9.5 Operate Daylight pointer	ALOQC (a)	a		
2.9.6 Spotting scope	ALOQC (A)	A		
<b>*3. Combat Field Skills</b> TR: AFI 36-2226, FM 1-02, 20-3, 21-10, 21-18, 3-21.75, 3-25.26, 21-60, 21-75, 101-5-1, 3-23.30, SH 21-76, Ranger Handbook SH 21-76, AFMAN 10-100, STP 21-1-SMCT, STP 21-24-SMCT				
3.1 Transmit MEDEVAC request	ALOBC (2b)	2b		
3.2 Establish priorities of work	ALOBC (2b)	2b		
3.3 Prepare bivouac sites	ALOBC (2b)	2b		
<b>3.4 Small Unit Tactics</b> TR: Ranger Handbook SH 21-76, STP 21-1-SMCT, STP 21-24-SMCT				
3.4.1 Perform individual movement techniques	ALOBC (2b)	2b		
3.4.2 Team/squad movement techniques				
3.4.2.1 Cross danger areas	ALOBC (2b)	2b		
3.4.2.2 React to direct/indirect fire	ALOBC (2b)	2b		
3.4.2.3 React to flares	ALOBC (2b)	2b		
3.4.2.4 React to enemy contact	ALOBC (2b)	2b		
3.4.2.5 Break contact with the enemy	ALOBC (2b)	2b		
3.4.2.6 React to far/near ambush	ALOBC (2b)	2b		
3.4.2.7 Perform patrol element team responsibilities	ALOBC (2b)	2b		
3.4.3 Construct defensive fighting positions	ALOBC (2b)	2b		
3.4.4 Depart and reenter friendly lines	ALOBC (2b)	2b		
3.4.5 Conduct rally point procedures	ALOBC (2b)	2b		
3.4.6 Perform actions on an objective	ALOBC (2b)	2b		
3.5 Perform AF combatives TR: FM 3-25.150	ALOBC (2b)	2b		



(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>3.6 Vehicle operations</b> TR: AFI 24-301, AFM 24-306, applicable TOs, STP 21-1-SMCT, STP 21-24-SMCT				
3.6.1 Perform AF operator vehicle inspection	ALOBC (2b)	2b	3b	
3.6.2 Operate tactical vehicle under tactical conditions				
3.6.2.1 Configure vehicle for convoy	ALOBC (2b)	2b	3b	
3.6.2.2 Operate vehicle in convoy	ALOBC (2b)	2b		
3.6.2.3 React to direct/indirect fires	ALOBC (2b)	2b	3b	
3.6.2.4 Recognize/React to Improvised Explosive Devices (IED)	ALOBC (2b)	2b	3b	
3.6.2.5 Operate using Night Vision Devices	ALOBC (2b)	2b	3b	
3.6.2.6 Perform Convoy Halt Battle Drills				
3.6.2.6.1 Defensive actions	ALOBC (2b)	2b		
3.6.2.6.2 Offensive actions	ALOBC (2b)	2b		
3.6.2.6.3 Vehicle Egress Under Roll-over Conditions	ALOBC (2b)	2b/b		
3.6.2.7 Field Expedient Vehicle Operator Maintenance Techniques and Hasty Recovery	ALOBC (2b)	2b		
<b>3.7 Navigate under Day and Night Conditions by:</b>				
<b>3.7.1 Vehicle</b> TR: AFI 24-301, AFM 24-306, applicable TOs, STP 21-1-SMCT, STP 21-24-SMCT				
+3.7.1.1 System Aided	ALOBC (2b)	2b		
3.7.1.2 Without system Aids	ALOBC (2b)	2b		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>3.7.2 Foot</b> TR: FM 3-25.26 and Change 1, FM 21-18, STP 21-1-SMCT, STP 21-24-SMCT				
+3.7.2.1 System Aided	ALOBC (2b)	2b		
3.7.2.2. Without system Aids	ALOBC (3b)	3b		
3.7.2.3 Terrain Association	S-V80-A	A		
<b>3.8 Pyrotechnics</b> TR: FM 3-23.30, STP 21-1-SMCT, STP 21-24-SMCT				
3.8.1 Storage, and documentation		–	B	
3.8.2 Safeguard		–	B	
3.8.3 Use Pyrotechnics	SV-80 (2b)	2b		
<b>3.9 Small-arms weapons</b> TR: AFQC, TRQC, AFI 31-207, AFI 36-2226, AFMAN 31-229, AFMAN 36-2227 Vol 1, AFMAN 91-201, and Appropriate Technical Manual and Technical Orders				
3.9.1 Qualify with the M-9 pistol	ALOBC (3b)	3b		
3.9.2 Qualify with the M-4 carbine	ALOBC (3b)	3b		
3.9.3 Perform crew served weapons familiarization		–	1b	
3.10 Use aeronautical maps, charts, and symbols	ALOQC (2b)	2b	3c	
3.11 Use ground tactical maps, symbols and ground imagery with coordinate systems and tactical overlays	ALOQC (2b)	2b	3c	
<b>3.12 Convert coordinates from one reference system to another using TACP systems</b> TR: FM 3-25.26				
3.12.1 Latitude/Longitude to Military Grid Reference System (or vice-versa)	ALOQC (3b)	3b	3c	

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
3.12.2 Latitude/Longitude coordinates between Degrees-Minutes-Decimals and Degrees-Minutes-Seconds formats	ALOQC (3b)	3b	3c	
3.12.3 Map coordinates from maps of various Datum Systems (e.g., Clark76, WGS72) to WGS-84.	ALOQC (2b)	2b	3c	
3.12.4 Elevation reference systems (AGL, MSL, HAE, etc.)	ALOQC (2b)	2b	3c	
3.12.5 Elevation reference systems (feet to meters and meters to feet)	ALOQC (2b)	2b	3c	
<b>3.13 Target plotting</b> TR: FM 3-25.26, STP 21-1-SMCT, STP 21-24-SMCT				
3.13.1 Plot targets utilizing system-aided devices				
3.13.1.1 Using latitude and longitude coordinates	ALOQC (3b)	3b	3c	
3.13.1.2 Using military grid reference system	ALOQC (3b)	3b	3c	
3.13.2 Plot targets utilizing non-system-aided tools				
3.13.2.1 Using latitude and longitude coordinate systems	ALOQC (3b)	3b	3c	
3.13.2.2 Using military grid reference system	ALOQC (3b)	3b	3c	
3.13.2.3 Elevation reference systems (MSL ft/meters)	ALOQC (3b)	3b	3c	
<b>3.14 Estimate Target Ranges</b> TR: FM 6-30, STP 21-1-SMCT, STP 21-24-SMCT				
3.14.1 Utilizing system-aided devices	JFO (3b)	3b	3c	
3.14.2 Utilizing non-system-aided tools	JFO (3b)	3b	3c	
+3.15 Use global positioning system equipment	JFO (3b)	3b	3c	
<b>3.16 Employ Camouflage Techniques</b> TR: Ranger Handbook-SH 21-76, STP 21-1-SMCT, STP 21-24-SMCT				
3.16.1 Camouflage personnel	S-V80-A (2b)	2b		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
3.16.2 Vehicle camouflage techniques			A	
<b>3.17 Signaling</b> TR: FM 3-23.30, STP 21-1-SMCT, STP 21-24-SMCT				
3.17.1 Perform Active Signaling	ALOBC (2b)	2b		
3.17.2 Perform Passive Signaling	ALOBC (2b)	2b		
<b>3.18 Operate Night Vision Devices</b>				
3.18.1 Navigate using Map and Compass	ALOBC (2b)	2b		
+3.18.2 Navigate using GPS	-	-		
3.18.3 Navigate using Terrain Association	-	-		
3.19 Perform personal hygiene under field conditions TR: FM 21-10, STP 21-1-SMCT, STP 21-24-SMCT	S-V80-A (2b)	2b		
3.20 Perform personal sanitation under field conditions TR: FM 21-10, STP 21-1-SMCT, STP 21-24-SMCT	S-V80-A (2b)	2b		
<b>3.21 Mobility operations</b>				
3.21.1 Configure equipment for air land operations	-	-		
3.21.2 Configure equipment for air mobile operations	-	-		
3.21.3 Configure equipment for overland mobility operations	-	-		
3.22 Use individual equipment	ALOBC	2b		
<b>*4. Communications</b>				
<b>4.1 Mission planning computer hardware and software</b>				
<b>4.1.1 Configure/ Operate C2 Systems</b>				
4.1.1.1 Falcon view	ALOBC (2b)	2b		
4.1.1.2 Tactical Air Control Party Close Air Support System (TACP CASS)	ALOBC (2b)	2b	3c	
4.1.1.3 Video downlink receiver	ALOBC (2b)	2b		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
4.1.1.4 Theater Battle Management System (TBMCS)	ALOQC (1a)	1a	2b	
4.1.1.5 Tactical Targeting Systems Software (e.g., PSS-SOF, DPSS, etc.)	ALOQC (2b)	2b	3c	
+4.1.1.6 Joint Air Request Net (JARN)	ALOBC (2b)	2b		
4.1.2 Joint Automated Deep Operations Coordination System (JADOCS)	ALOQC (A)	A		
4.1.3 Force XXI Battle Command Brigade and Below (FBCB2)	ALOQC (A)	A		
4.1.4 Army Field Artillery Targeting Database System (AFATDS)	ALOQC (A)	A		
4.1.5 Tactical Airspace Integration System (TAIS)	ALOQC (A)	A		
4.1.6 Command Post Of the Future (CPOF)	ALOQC (A)	A		
4.2 Use signal operating instructions (SOI)/cryptographic devices	ALOQC (A)	A	2b	
<b>+4.3 Radio communications</b> TR: AFTTP 3-3v26, FM 6-02.72, TC 24-21, AN/PRC-117G, AN/PRC-148, AN/PRC-152				
4.3.1 Use radio operator/radiotelephone procedures	ALOBC (2b)	2b		
4.3.2 Use secure transfer devices	ALOBC (2b)	2b		
4.3.3 Transmit/Receive in secure voice mode on all waveforms	ALOBC (2b)	2b		
4.3.4 Perform FM frequency hopping operations	ALOBC (2b)	2b		
4.3.5 Perform HAVE QUICK operations	ALOBC (2b)	2b		
4.3.6 Operate satellite communications (SATCOM)	ALOBC (2b)	2b		
4.3.7 Encode radio messages	ALOBC (2b)	2b		
4.3.8 Decode radio messages	ALOBC (2b)	2b		
4.3.9 Authenticate radio transmission	ALOBC (2b)	2b		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Lvl Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
4.3.10 Operate Man-pack communications systems TR: Harris quick reference pocket guides, Harris AN/PRC-117F,G, Man-pack radio operations manual, FM 6-02.72, TC 24-21	ALOBC (2b)	2b		
4.3.11 Secure/Non-secure man-pack communications systems capabilities and limitations	ALOBC (B)	B		
4.3.12 Operate handheld communications systems	ALOBC (2b)	2b		
4.3.13 Handheld communications systems capabilities and limitations	ALOBC (B)	B		
<b>4.4 Antennas</b>				
4.4.1 Theory	ALOBC (B)	B		
4.4.2 Construct supplemental/field expedient	ALOBC (2b)	2b		
4.4.3 Perform operator troubleshooting and repair	ALOBC (2b)	2b		
<b>+4.5 Data-Link Capabilities and Limitations for Control of CAS/AI Missions</b> TR: Equipment Operator Manuals				
4.5.1 Situational Awareness Data-Link (SADL)	ALOQC (A)	A		
4.5.2 Link 16	ALOQC (A)	A		
4.5.3 Variable Message Format (VMF)	ALOQC (A)	A		
<b>4.6 Data-Link Management</b>				
4.6.1 Data-link familiarization	ALOQC (A)	A		
4.6.2 Joint Interface Control Officer (JICO) responsibilities	ALOQC (A)	A		
<b>4.7 Security Awareness</b> TR: AFI 10-701, 31-401, 33- 201V1, 33-201V2, 33-207; Army AR 380-40; DODD 5205.02				
4.7.1 Classified information	ALOBC (A)	A		
4.7.2 Prevent security violations	ALOBC (a)	a		
4.7.3 Communications Security (COMSEC)	ALOBC (A)	A		
4.7.4 Operations Security (OPSEC)	ALOBC (A)	A		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Lvl Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>5. Liaison Duties/Responsibilities and Air-Ground Integration</b>				
<b>*5.1 Core Concepts:</b> TR: ADRP 1-02, ADRP 3-0, ADRP 3-07, ADRP 3-09, ADRP 3-90, ADRP 5-0, ADRP 6-0, FM 1, 3-90, 3-90.6, 71-100, JP 3-50, AFDD 2-1.6, AFDD 3-2, AFTTP 3-1.8, AFI 10-401, AFTTP 3-3 JTAC, JP 3-09.3, JP 3-30				
5.1.1 Army organization/structure	ALOQC (A)	A	B	C
5.1.2 Joint doctrine	ALOQC (B)	B		
5.1.3 Service doctrine				
5.1.3.1 AF doctrine	ALOQC (B)	B		C
5.1.3.2 Army doctrine	ALOQC (B)	B		
5.1.4 Full Spectrum Operations			B	
5.1.5 Close air support TTP	ALOQC (B)	B		C
5.1.6 Theater Air Control System/Army Air Ground System (TACS/AAGS)	ALOQC (A)	A		C
5.1.7 Use Military Decision Making Process (MDMP)	ALOQC (2b)	2b		3c
<b>5.1.8 Aircraft Weapons Effects</b>				
5.1.8.1 Apply weapons' risk estimate distance	ALOQC (2b)	2b		3c
5.1.8.2 Apply Collateral Damage Estimate (CDE)	ALOQC (2b)	2b		3c
<b>5.1.9 Surface Weapons effects</b>				
5.1.9.1 Weapons' risk estimate distance	ALOQC 2b	2b		3c
5.1.9.2 Weapons' danger close distance	JFO (B)	B	2b	3c
5.1.9.3 Collateral Damage Estimate (CDE)	ALOQC 2b	2b		3c
<b>5.1.10 Weapons systems characteristics/visual identification</b>				
5.1.10.1 Air	ALOQC (A)	A	B	C
5.1.10.2 Ground	ALOQC (A)	A	B	C
<b>5.1.11 Capabilities</b>				

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
5.1.11.1 Air	ALOQC (A)	A	B	C
5.1.11.2 Ground	ALOQC (A)	A	B	C
<b>+5.1.12 Air-to-Surface Munitions Capabilities</b>				
5.1.12.1 General purpose	ALOQC (B)	B		C
5.1.12.2 Coordinate dependent	ALOQC (B)	B		C
5.1.12.3 Guided	ALOQC (B)	B		C
5.1.13 Surface to air threats	ALOQC (A)	A	B	C
<b>+5.1.14 Aircraft employment</b>				
5.1.14.1 CAS aircraft	ALOQC (B)	B		C
5.1.14.2 CAS aircraft targeting pods/system	ALOQC (B)	B		C
<b>*5.2 Briefs to Ground Force Commander (GFC)</b> TR: JP 3-09.3, ADRP 3-09, ADRP 5-0				
5.2.1 Briefing techniques			B	
5.2.2 Provide daily update brief			2b	3c
5.2.3 Provide CAS planning brief	ALOQC (2b)	2b		3c
<b>*5.3 Extract Mission Planning Information from:</b> TR: ADRP 5-0, ADRP 5-0, ADRP 1-02, JP 3-30, JP 3-52				
5.3.1 Air Tasking Order (ATO)	ALOQC (2b)	2b		3c
5.3.2 Airspace Control Order (ACO)	ALOQC (2b)	2b		3c
5.3.3 Special Instructions (SPINs)	ALOQC (2b)	2b		3c
5.3.4 Rules of Engagement (ROE)	ALOQC (2b)	2b		3c
5.3.5 Operation Orders (OPORD)	ALOQC (2b)	2b		3c
5.3.6. Standard Operation Procedures (SOP)			2b	3c
<b>+*5.4 Integrate Air Component Functions/Capabilities into the Ground Scheme of Maneuver</b> TR: JP 3-09.3, 3-03, 3-09, 3-30, 3-51, 3-55, 6-0, 2-1.7, 2-1.3, 2-1, ADRP 3-0, ADRP 3-90, ADRP 6-0, ADRP 3-09				
5.4.1 Close Air Support (CAS) missions	ALOQC (2b)	2b		3c
5.4.2 Forward Air Controller (Airborne) (FAC-A)	ALOQC (2b)	2b		3c



(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Level Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
5.4.3 Joint Terminal Attack Controller (JTAC)	ALOQC (2b)	2b		3c
5.4.4 Joint Fires Observer (JFO)	ALOQC (2b)	2b		3c
5.4.5 Intelligence, Surveillance, and Reconnaissance (ISR)	ALOQC (2b)	2b		2b
5.4.6 Electronic Warfare (EW)	ALOQC (1a)	1a	2b	3c
5.4.7 Suppression/Destruction of Enemy Air Defenses (SEAD/DEAD)	ALOQC (1a)	1a	2b	3c
5.4.8 Joint Air Attack Team (JAAT)	ALOQC (1a)	1a	2b	3c
5.4.9 Air Interdiction (AI)	ALOQC (1a)	1a	2b	3c
5.4.10 Space	ALOQC (1a)	1a	2b	3c
<b>5.5 AF Core Functions</b> TR: AFDD2-2, JP 3-14				
5.5.1 Space	ALOQC (A)	A		B
5.5.2 Cyber	ALOQC (B)	B		B
5.5.3 Airlift	ALOQC (B)	B		B
*5.5.4 Personnel recovery	ALOQC (B)	B		B
5.5.5 Global precision attack	ALOQC (B)	B		B
<b>*5.6 Integrate Close Air Support in the Decision- Making Process</b> TR: ADRP 5-0, JP 3-09.3, FM 1-02, FM 31-23, FM 31-27, STP 21-				
5.6.1 Prepare for mission analysis	ALOQC (2b)	2b		3c
5.6.2 Analyze mission	ALOQC (2b)	2b		3c
5.6.3 Develop COA	ALOQC (2b)	2b		3c
5.6.4 Analyze COA (War Game)	ALOQC (2b)	2b		3c
5.6.5 Produce Annex D to Fires Support Annex	ALOQC (2b)	2b		3c
5.7 Weather briefing information applicable to mission planning	ALOQC (2b)	2b		3c
5.8 Intelligence preparation of the battlefield (IPB) TR: JP 3-09.3	ALOQC (2b)	2b		3c

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Lvl Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>*5.9 Joint Targeting</b> Cycle TR: JP 3-09.3, JP 3-60 AFDD 3-60, ADRP 3-09, FM 3-60				
5.9.1 TACP role in targeting	ALOQC (B)	B		C
5.9.2 Targeting data based on commander's prioritized target list	ALOQC (B)	B		C
5.9.3 Develop planning products for targeting process using the GFC prioritized target list	JFO (2b)	2b		3c
<b>*5.10 Commander's Critical Information Requirements (CCIR)</b>	ALOQC (A)	A		B
<b>*5.11 Mission tasks</b> TR: JP 3-09.3, ADRP 3-09, ADRP 3-90, ADRP 5-0				
5.11.1 Analyze specified tasks	ALOQC (2b)	2b		3c
5.11.2 Analyze mission essential tasks	ALOQC (2b)	2b		3c
5.11.3 Develop implied tasks	ALOQC (2b)	2b		3c
5.11.4 Develop fires support tasks	ALOQC (2b)	2b		3c
5.12 Role of the ALO in combined arms and fire support rehearsals TR: JP 3-09.3	ALOQC (B)	B		C
5.13 Nomination Process of the Joint Integrated Prioritized Target List (JIPTL) TR: JP 3-60	ALOQC (B)	B		C
<b>*5.14 Joint Tactical Air Support Requests (JTASR)</b> TR: JP 3-09.3				
5.14.1 JTASR Relationship Between Air Support Requests and Air Support Missions	ALOQC (B)	B		C
5.14.2 JTASR integration into the ATO Process	ALOQC (B)	B		C
5.14.3 Develop pre-planned DD1972 JTASR	ALOQC (2b)	2b		3c
5.14.4 Develop immediate DD1972 JTASR	ALOQC (2b)	2b		3c
5.14.5 Recommend approval/disapproval for JTARs	ALOQC (B)	B	2b	3c
5.15 Fire support coordination measures TR: JP 3-09.3, ADRP 1-02, FM 6-20-20, FM 6-20-30, FM 6-20-40	ALOQC (B)	B		C
5.16 Advise staff officers on employment of aerospace assets TR: JP 3-30, applicable MDS AFTTP 3-Series	ALOQC (2b)	2b		3c
5.17 Analyze targets and communicate ground commanders desired effect TR: JP 3-09, JP 3-60	ALOQC (2b)	2b		3c

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Lvl Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
5.18 Coordinate strike information with Army and/or other Service personnel TR: JP 3-09, ADRP 3-09	ALOQC (2b)	2b		3c
5.19 Call for fire procedures TR: AFTTP (I) 3-2.6	JFO (C)	C	B	B
<b>*5.20 Roles, Responsibilities, Capabilities, and Limitations of Key Players in the Terminal Execution of CAS:</b> TR: JP 3-09.3 AFTTP 3-1.X (X=applicable MDS)				
+5.20.1 Forward Air Controller (Airborne) (FAC-A)	ALOQC B	B		C
+5.20.2 Tactical Air Controller (Airborne) (TAC-A)	ALOQC (B)	B		C
+5.20.3 Joint Terminal Attack Controller (JTAC)	ALOQC (B)	B		C
+5.20.4 Joint Fires Observer (JFO)	ALOQC (B)	B		C
5.20.5 Airborne Mission Commander (AMC)	ALOQC (B)	B		C
+5.21 Manage available CAS assets TR: JP 3-09.3	ALOQC (2b)	2b		3c
<b>*5.22 Specialized TACP equipment TTP:</b> TR: JP 3-09.3, AFTTP(I) 3-2.6				
+5.22.1 LASER target designator	ALOQC (a)	a		
5.22.2 IR pointer	ALOQC (a)	a		
5.23 Battle Damage Assessment (BDA) TR: JP 3-09.3	ALOQC (B)	B	2b	3c
<b>*5.24 Combat Search and Rescue Missions in Assigned Area of Responsibility</b> TR: AFDD 2-1.6, JP 3-50, AFRP 16-12/13				
5.24.1 Personnel recovery command relationships and capabilities	ALOQC (B)	B		C
5.24.2 Notification procedures	ALOQC (B)	B		C
5.24.3 Airspace integration	ALOQC (B)	B		C
5.25 Landing zone/drop zone procedures TR: FM 3-05.210, AFI 13-217	ALOQC (B)	B		C
<b>5.26 Space Impacts on Air-Ground Integration</b> TR: AFDD 2-2, AU-18 Space Handbook Vol 2,				
<b>5.26.1 Core Concepts</b>				
5.26.1.1 Basic orbits used by military space assets	ALOQC (A)	A		
5.26.1.2 Basic facts about space weather	ALOQC (A)	A		

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Lvl Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
<b>*5.26.2 Global Positioning System (GPS)</b>				
5.26.2.1 GPS and GPS-aided munitions operation	ALOQC (B)	B		C
5.26.2.2 GPS Jamming and Mitigation Techniques	ALOQC (B)	B		C
<b>*5.26.3 Satellite Communications (SATCOM)</b>				
5.26.3.1 Principles of SATCOM	ALOQC (B)	B		
5.26.3.2 Facts about SATCOM interference and mitigation techniques	ALOQC (B)	B		
<b>5.26.4 Space Support agencies</b>				
5.26.4.1 Role of the army space support element	ALOQC (A)	A		
5.26.4.2 Role of space systems in army PGM employment and CDE determination		–		
5.26.4.3 Role of the DIRSPA FOR	ALOQC (A)	A		
5.26.4.4 Role of the AFSTRAT AOC	ALOQC (A)	A		
<b>*6.0 Airspace</b> TR: JP 3-52, AFDD 3-52, FM 3-52, AFTTP 3-2.17, AFTTP 3-2.59, AFTTP 3-2.78, JP 3-30				
6.1 Airspace Classes, Coordinating Altitude, Coordination Altitude: Terms, Organization, and Rules governing			B	C
6.2 Air Traffic Control: Positive and Procedural Control / Standard Terminology			B	C
6.3 Roles and Responsibilities: Airspace Control Authority / AADC / JAOC				
6.3.1 Airspace Control Plan and Control Order			B	C
6.3.2 Establish Airspace Control Measures (ACM) in Support of the Ground Scheme of Maneuver				
6.3.2.1 Linear battlefield	ALOQC (2b)	2b		3c
6.3.2.2 Non-linear battlefield	ALOQC (2b)	2b		3c
6.4 AF Contributions: ASOC, AWACS/JSTARS, CRC, STT			C	C
6.5 Sister Service Entities:				
6.5.1 Navy—TACC, AREC, NACCE			A	B
6.5.2 USMC—TAOC, TACC, FSCC, DASC			A	B

(1) Tasks, Knowledge, and Technical References (Current editions)	(2) IST Pipeline courses	(3) 1 Level Proficiency Code	(4) 2 Lvl Proficiency Code (BDE ALO column of AFI 13- 113V1)	(5) 3 Level
6.5.3 Army—BCD, AC2, ADAM/BAE TR: FM 3-100-13-1				
6.5.3.1 Army Operating Procedures and Graphics			B	C
6.5.3.2 Systems and Interoperability: TBMCS, WEBAD, AFATDS, JADOCS			A	B

**Note 1:** Items in column 1 marked with an asterisk (\*) are the tasks/knowledge trained in resident wartime courses.

**Note 2:** Items marked with a (+) are tasks/knowledge training incorporating considerations and TTP for performance in a Contested Degraded Operations (CDO) environment.

## **Section B – Training Course Index**

Course objectives are identified in course documents maintained at individual courses. Contact the appropriate school for more information.

### **AETC INITIAL SKILLS PIPELINE COURSES**

#### **COURSE NUMBER TITLE/LOCATION:**

**OPR:**                      **LOCATION:**

1. L3OQR13L1A 0A0A, Air Liaison Officer Preparatory Course (ALOPC)  
OPR: AETC/A3T                      Location: Lackland AFB, TX
2. L3OBP13L1A XXXX, Air Liaison Officer Basic Course (ALOBC)  
(Substitute L3ABP1C431 0T0B TACP Apprentice until ALOBC is operational)  
OPR: AETC/A3T                      Location: Hurlburt Field, FL
3. S-V80-A, Survival Evasion Resistance and Escape (SERE) Training  
OPR: AETC/A3T                      Location: Fairchild AFB, WA
4. L5OQO13L1A 0Q1A / L5OQO13L1A 0Q3A, Air Liaison Officer  
Qualification Course (ALOQC)  
OPR: ACC/A3C                      Location: Nellis AFB, NV
5. L5OQA13L1A 0J1A, US Army Joint Fires Observer Course (JFO)  
OPR: AETC/A3T                      Location: Fort Sill AIN, OK

### **SUPPLEMENTAL SKILL COURSES**

#### **COURSE NUMBER TITLE/LOCATION:**

**OPR:**                      **LOCATION:**

1. ACC JTACQC, Joint Terminal Attack Controller Qualification Course (JTACQC)  
OPR: ACC/A3F                      Location: Nellis AFB, NV
2. ASOC IQC, Air Support Operations Center Initial Qualification Course (ASOCQC)  
OPR: ACC/A3F                      Location: Nellis AFB, NV
3. L5ASA1C451 0T0A, US Army Pathfinder  
OPR: AETC/A3T                      Location: Ft Benning AIN, GA
4. CAN-AAC, US Army Air Assault  
OPR: US Army TRADOC                      Location: Ft Campbell AIN, KY
5. L5OZA31P3 0S1A, US Army Ranger School  
OPR: AETC/A3T                      Location: Ft Benning AIN, GA
6. L9OZA13L1 0A6A, US Army Airborne Parachutist Course

OPR: AETC/A3T                      Location: Ft Benning AIN, GA

7. L9AZA1XXXX 0F1A, US Army Military Freefall Parachutist  
OPR: AETC/A3T                      Location: Ft Bragg AIN, NC / Yuma, AZ
8. L9AZA1XXXX 0A0A, US Army Airborne Jumpmaster Course  
OPR: AETC/A3T                      Location: Ft Benning AIN, GA
9. L9AZA1XXXX 1J0A, US Army Military Freefall Jumpmaster Course  
OPR: AETC/A3T                      Location: Yuma, AZ
10. 2E-F229/250-F55, US Army Joint Operational Fires and Effects Course (JOFEC)  
OPR: AETC/A3T                      Location: Fort Sill AIN, OK
11. L5OQO13L1A 0C2A, Joint Air Operations Command and Control Course (JAOC2C)  
OPR: ACC/A3C                      Location: Hurlburt Field, FL
12. B-V7C-E PN, Introduction to Electronic Warfare, 5 days at NAS Pensacola, 8x a year
13. S-V8E-S PN, Electronic Warfare Coordinator Course,  
10 days at NAS Pensacola, 8x a year TS/SCI and Intro course required
14. S-V9E-S PN, Non-Traditional Electronic Warfare Applications Course (NEWAC),  
10 days at NAS Pensacola, 3x a year, Intro recommended but not required

## **OTHER GENERAL COURSES**

### **COURSE NUMBER TITLE/LOCATION:**

**OPR:                      LOCATION:**

L3AIRTXXXX 0B1A, Basic Instructor Course (BIC)  
OPR: AETC/A3T                      Location: Lackland AFB, TX

**Note:** Commanders may authorize unit funds to attend other DOD and non-DOD courses to meet unit, MAJCOM, ANG, AFRES, and theater requirements.

### **Extension Course Institute (ECI) Courses: COURSE NUMBER TITLE**

**OPR**

NONE

### **Exportable Courses:**

**COURSE NUMBER TITLE**

**OPR**

NONE

**Courses under Development/Revision:**

**COURSE NUMBER TITLE**

**OPR**

1. L3OBP13L1A 0A1A, Air Liaison Officer Basic Course (ALOBC)

OPR: AETC/A3T                      Location: Hurlburt Field, FL

2. ALO Formal Training Unit (FTU) – POC HQ ACC/A3FC

**Section C – Support Material**

There are currently no support material requirements. This area reserved.

**Section D– MAJCOM Unique Requirements**

There are currently no MAJCOM unique requirements. This area reserved.