

DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1480

CFETP 1C4X1
Parts I and II
April, 2003

**AFSC 1C4X1
TACTICAL AIR COMMAND AND CONTROL SPECIALIST**



**CAREER FIELD EDUCATION
AND TRAINING PLAN**

**CAREER FIELD EDUCATION AND TRAINING PLAN
TACTICAL AIR COMMAND AND CONTROL SPECIALTY
AFSC 1C4X1**

Table of Contents

TACTICAL AIR COMMAND AND CONTROL SPECIALIST..... i

CAREER FIELD EDUCATION..... i

I”.....1

 §1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training..... 1

 Explained”.....1

A.....4

 of.....4

 of.....4

 and.....4

B.....5

 Description”.....5

 Progression”.....5

 (3).....5

 (5).....5

 (7).....5

 (9).....6

 Decisions”.....6

 College.....6

 Field.....7

 Section C - Skill Level Training Requirements..... 12

C.....12

 §10. Specialty Qualifications:12

 Description”.....12

 (3).....12

 (5).....12

 (7).....13

 (9).....14

D.....14

II”.....15

A.....15

 STS 1C4X1.....17

B.....22

C.....26

D.....26

TACTICAL AIR COMMAND AND CONTROL SPECIALTY AFSC 1C4X1 CAREER FIELD EDUCATION AND TRAINING PLAN

Part I

Preface

§1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training.

2. The CFETP consists of two parts used by supervisors to plan, manage, and control training within the career field.

2.1. Part 1 provides information necessary for overall management of the specialty. It contains administrative details and a specialty description, explains the purpose and use of the CFETP, identifies career field requirements and progression, provides career field information, and documents training decisions. Each skill level is also defined, known resource constraints are identified, and a list of continuation training for the specialty is provided. Note: AFMAN 36-2108, Airman Classification, contains the specialty description.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, wartime course, core tasks, and correspondence course requirements; Section B contains the course objective list and training standards supervisors will use to determine if airmen satisfied training requirements; 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 a training course index, which is used to determine resources available to support training. Included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements.

3. This CFETP is designed to ensure individuals in AFSC 1C4X1 receive comprehensive and effective training at the appropriate phases of their career. At unit level, supervisors and trainers use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training. 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 the AFS.

Air Force Career Field Manager (AFCFM). Individual appointed by Air Staff DCS's to manage education, training, and resources for a specific career field(s).

Air Force Career Field Manager (AFCFM). Representative appointed by the respective HQ USAF Deputy Chief of Staff or Under Secretariat, to ensure assigned AF specialties are trained and utilized to support AF mission requirements. AFCFM is the OPR; however, works in concert with MAJCOM, FOA, DRU, ANG, and AFRC Functional Managers (FMs) as required.

Air Force Job Qualification Standard (AFJQS)/Command Job Qualification Standard (CJQS). A comprehensive task list which describes a particular job type or duty position. Supervisors may use these to document task qualifications. The tasks on 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 core training document that identifies: life-cycle education and training requirements; training support resources, and minimum core task requirements for a specialty. The CFETP aims to give personnel a clear path and

instill a sense of industry in career field training.

Combat Mission Ready (CMR). A Tactical Air Control Party or Air Support Operations Center member who has satisfactorily completed mission qualification training and maintains qualification and proficiency in the command or unit operational mission.

Continuation Training (CT). Additional advanced training exceeding the minimum upgrade training requirements with emphasis on present or future duty assignments.

Core Task. Tasks the AFCFM identifies as minimum qualification requirements within an AFSC, regardless of duty position. Core tasks may be specified for a particular skill level or in general across the AFSC. Guidance for using core tasks can be found in the applicable CFETP narrative.

Course Objective Lists (COL). A publication derived from initial and advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3- or 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Air Force Training Programs*.

Course Training Standard (CTS). A training standard identifying the training members will receive in a specific course.

Enlisted Specialty Training. A mix of formal training (technical school) and informal enlisted (OJT) training (life cycle) to qualify and upgrade airmen in each skill-level of a specialty.

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

Initial Skills Training. A formal school course that results in an AFSC 3-skill level award for enlisted or mandatory training for upgrade to qualified officers.

Instructional System Development (ISD). A process for planning, developing, validating, implementing, and reviewing instructional programs. It ensures personnel are taught in a cost efficient way the knowledge, skills, and attitudes essential for successful job performance.

Occupational Survey Report (OSR). A detailed report that shows the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in both upgrade (skill level award) and job qualification (duty position certification) training.

Qualification Training (QT). Hands-on performance training designed to qualify an airman in a specific position. This training occurs both during and after upgrade training to maintain up-to-date qualifications.

Qualification Training Package (QTP). An instructional course 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 audio-visual media.

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

Skills Training. A formal course that results in the award of a skill level.

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

Specialty Training Standard (STS). An Air Force publication that describes an Air Force specialty in terms of tasks and knowledge that an airman in that specialty may be expected to perform or to know on the job. Also identifies the training provided to achieve a 3-, 5-, or 7-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.

Standard. An exact value, a physical entity, or abstract concept, established and defined by authority, custom, or common consent to serve as a reference, model, or rule in measuring quantities or qualities, establishing practices or procedures, or evaluating results. A fixed quantity or quality.

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

Training Planning Team (TPT). Comprised of the same personnel as the Utilization and Training Workshop (U&TW); however, TPTs address a wider range of issues than those normally addressed in the U&TW forum.

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

Utilization and Training Workshop (U&TW). A forum consisting of the AFCFM, MAJCOM AFSC functional managers (FMs), subject matter experts, and AETC training personnel that determines career ladder training requirements.

Wartime Task. Those tasks that must be taught when courses are accelerated in a wartime environment. In response to a wartime scenario, these tasks will be taught in the 3 level course in a streamlined training environment. These tasks are only for those career fields that still need them applied to their schoolhouse tasks.

Section A - General Information

1. Purpose. This CFETP provides information necessary for the Air Force Career Field Manager (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 that individuals must receive in order to develop and progress throughout their career. For the purpose of this plan, training is divided into four areas: initial skills, upgrade training (UGT), qualification training (QT), and continuation training (CT). Initial skills training is the Air Force Specialty specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion required for award of the 3-, 5-, 7-, and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge training required for the job. Continuation training is additional training either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required. The CFETP has several purposes, some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies task and knowledge training requirements for each skill level in this specialty and recommends education/training throughout each phase of an individual's career.

1.3. Lists training courses available in the specialty, identifies sources of training, and the training medium.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training program.

2. Uses. The AFCFM will maintain this CFETP in accordance with AFI 36-2201, Vol 5. MFMs will review the CFETP at least annually to ensure currency and accuracy and forward recommended changes to the AFCFM. Training managers at all levels will use this plan to ensure a comprehensive and cohesive training program is available and instituted for each individual in the 1C4X1 career ladder.

2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the user and documented in Part II of the CFETP. They will also work with the AFCFM 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 and upgrade skills requirements. OJT, resident training, contract training, or exportable courses can satisfy identified requirements. MAJCOM-developed training to support this AFSC must be identified for inclusion in this plan and must not duplicate available training resources

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

3. Coordination and Approval. The AFCFM will maintain this CFETP in accordance with AFI 36-2201, Vol 5. MFMs will review the CFETP at least annually to ensure currency and accuracy and forward recommended changes to the AFCFM. Training managers at all levels will use this plan to ensure a comprehensive and cohesive training program is available and instituted for each individual in the 1C4X1 career ladder.

Section B - Career Progression and Information

4. Specialty Description.

4.1. Specialty Summary. (Note: Refer to AFMAN 36-2108) Performs and manages tactical air control party (TACP) operations. Provides Air Force assistance and expertise in planning and controlling combat air resources. Operates and supervises communications nets to support army ground maneuver units. Related DOD Occupational Subgroup 250.

4.2. Duties and Responsibilities. (Note: Refer to AFMAN 36-2108)

4.2.1. Supervises and conducts mission planning and coordination of combat air resources. Recommends use of combat air resources to support mission requirements, tactics, air support assets, and ordnance capabilities and limitations. Extracts target information from maps. Plans and controls combat air support missions. Coordinates field artillery support.

4.2.2. Supervises and performs inter-service liaison activities to ensure effective integration of combat air resources on the battlefield. Provides Air Force expertise essential to joint combat operations. Assists with and coordinates air support requests. Plans, prepares, and conducts mission briefings. Assists with and develops fire support coordination plans.

4.2.3. Manages and operates global positioning systems, and voice and digital TACP combat communications weapons systems. Establishes and operates point-to-point communications nets. Processes and requests combat air resources to support Army ground maneuver units. Directs and employs field expedient antenna techniques.

4.2.4. Supervises and performs TACP field duties. Deploys to battlefield forward areas and supports Army maneuver units. Uses military maps to navigate to and operate within combat zones. Maintains proficiency with TACP weapons, field equipment, and signaling devices. Selects and supervises preparation of bivouac sites. Directs and applies camouflage and concealment techniques. Manages and conducts operator servicing of TACP vehicles, radios, and field and support equipment.

5. Skill/Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an extremely important role in the Air Force's ability to accomplish its mission. Therefore, it is essential that everyone involved in training do their part to plan, develop, manage, conduct, and evaluate an effective and efficient training program. The guidance provided in this part of the CFETP will ensure individuals receive viable training at the appropriate points in their career. The following narrative and the AFSC 1C4X1 career field flow charts identify the training career path. They define the training required in an individual's career.

5.1. **Apprentice (3) Level.** Initial skills training in this specialty consists of the tasks and knowledge training provided in the 3-skill level resident course E3ABP1C431 000 located at Hurlburt Field FL. The decision to train specific task and knowledge items in the initial skills course is based on a review of the occupational survey report (OSR) data, training requirements analysis (TRA) data and 1C431 subject matter expert (SME) input. Task and knowledge training requirements are identified in the Specialty Training Standard (STS) at Part II, Section A and the Course Objective List in Section B. Individuals must complete the initial skills course to be awarded AFSC 1C431.

5.2. **Journeyman (5) Level.** Training in this specialty consists of task and knowledge training provided through the specialty training standard and is based on an analysis of the duties contained in AFMAN 36-2108. Individuals are entered into 5 level upgrade training upon arrival at their initial duty station. All individuals upgrading to the 5-skill level in this specialty must complete the following: Career Development Course E3ABP1C451; certification on all core tasks indicated on the STS; unit specific duty position tasks; and 15 months in upgrade training (9 months for retrainees). When assigned to a new/additional duty, individuals will enter Qualification Training (QT). QT consists of the core tasks indicated on the STS template at Part II, Sections A and B, plus any additional local work center training requirements as documented in unit work center Master Training Plan (MTP).

5.3. **Craftsman (7) Level.** Training in this specialty consists of task and knowledge training provided through the specialty training standard and is based on an analysis of the duties contained in AFMAN 36-

2108. Individuals are entered into 7 level upgrade training on the first day of the promotion cycle. All individuals upgrading to the 7-skill level in this specialty must complete the following: certification on all core tasks indicated on the STS; unit specific duty position tasks; successful completion of the advanced skills course E3ACP1C471-001 and 12 months in upgrade training (6 months for retrainees)".

5.4. **Superintendent (9) Level.** To be awarded AFSC 1C491, an individual must be a SMSgt and complete any other requirements specified in AFMAN 36-2108.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Tactical Air Command and Control career field. This CFETP was developed to include life-cycle (day one through retirement) training requirements for this specialty. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy must be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training.

6.1. **Initial Skills Training.** The initial skills course was revised to provide training needed to prepare graduates for tactical air command and control duty positions. A continuing requirement exists for all individuals to receive combat survival (Combat Survival Training S-V80-A) and selected individuals to receive airborne training (Basic Parachutist Course L5AZA1T231-001 at Ft Benning, GA) as part of the accession process based on their first duty assignment.

6.2. **Five Level Upgrade Training.** The 5-level CDC was revised to incorporate AN/GRC-206 Version 5 and 6 capabilities.

6.3. **Seven Level Upgrade Training.** The advanced skills course was revised to incorporate battalion air liaison officer duty.

7. Community College of the Air Force . Enrollment in CCAF occurs upon completion of basic military training. Off-duty education is a personal choice but is highly encouraged. CCAF provides the opportunity to obtain an Associates in Applied Sciences degree. Information provided below is extracted from the 1999-2001 General Catalog. Contact the local education officer for more current course information.

7.1. **Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. **Degree Requirements:** The 5 skill level must be held at the time of program completion.

Subject Area	Semester Hrs
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies or General Education	
Total	64

7.4.1. **Technical Education (24 Semester Hours):** A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/ Technical Elective courses.

7.4.2. **Leadership, Management, and Military Studies.** (6 Semester Hours): Professional military education and/or civilian management courses.

7.4.3. **Physical Education.** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.4.4. **General Education.** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.4.5. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.5. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Charts.

Figure 1. Enlisted Career Path

Figure 2. Career Field Pyramid

Figure 3. 1C4X1 Assignment Locations

Enlisted Career Path.

GRADE REQUIREMENTS				
Education and Training Requirements	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 10 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Minimum 9 months on-the-job training for retrainees. - Complete appropriate CDC if and when available.	Amn A1C SrA	10 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	Trainer - Qualified and certified to perform the task to be trained. - Must attend formal OJT Trainer Training and appointed by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 12 months OJT. - 6 months OJT for retrainees. - Complete appropriate CDC if/when available. - Attend Craftsman course, if applicable.	SSgt	7.5 years	3 years	20 Years
	Certifier - Possess at least a SSgt with a 5-skill level or civilian equivalent. - Attend formal OJT Certifier Course and appointed by Commander. - Be a person other than the trainer.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	24 years
	MSgt	16 years	8 years	26 years
★USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only). - A percentage of top nonselects (for promotion to E-8) MSgts attend the SNCOA each year.	SMSgt	19.2 years	11 years	28 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 years

Figure 1.

Career Field Pyramid.

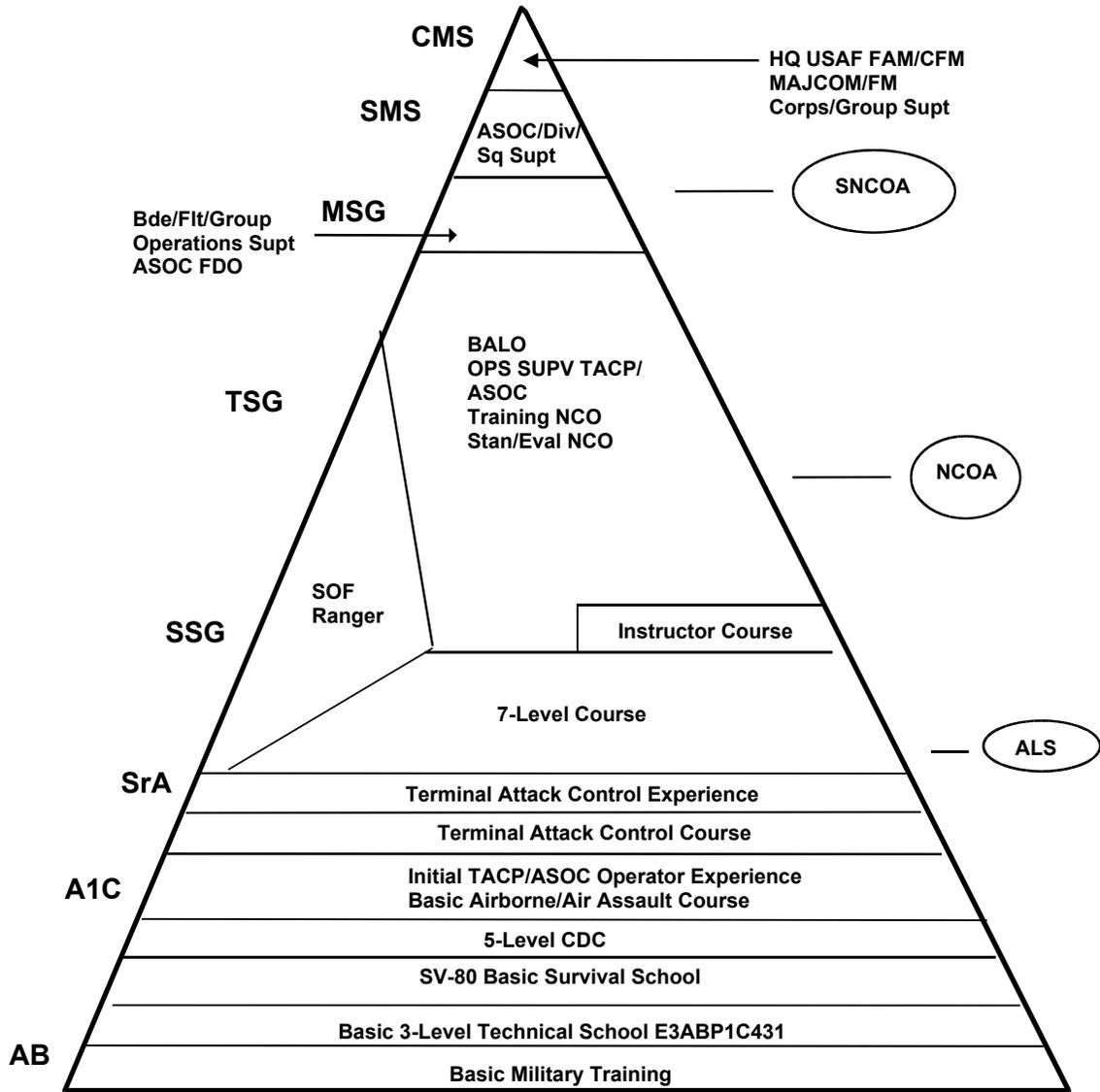


Figure 2.

1C4X1 Assignment Locations

Location	CMS	SMS	MSG	TSG	SSG	SRA	A1C	Student
AIR COMBAT COMMAND								
Langley AFB VA	X	X	X	X	X			
Ft Lewis WA	X	X	X	X	X	X	X	
Ft Hood TX	X	X	X	X	X	X	X	
Ft Riley KS			X	X	X	X	X	
Ft Carson KS			X	X	X	X	X	
Ft Bragg NC	X	X	X	X	X	X	X	
Ft Stewart GA		X	X	X	X	X	X	
Ft Benning GA			X	X	X	X	X	
Ft Campbell KY		X	X	X	X	X	X	
Ft Drum NY		X	X	X	X	X	X	
Ft Polk LA			X	X	X	X	X	
Shaw AFB SC		X	X	X	X	X	X	
Ft Irwin CA			X	X	X	X	X	
Barksdale LA			X	X				
Nellis AFB NV			X	X	X			
Davis-Monthan AFB AZ			X	X	X	X		
PACIFIC AIR FORCES								
Hickam AFB HI	X							
Camp Casey ROK			X	X	X	X	X	
Camp Red Cloud ROK			X	X	X	X	X	
Camp Stanley ROK				X	X	X		
Yongsan ROK			X		X			
Osan AB ROK		X		X	X	X	X	
Ft Wainwright AK			X	X	X	X	X	
Elmendorf AK			X	X				
Wheeler AFB HI		X	X	X	X	X	X	
Yokota AB, Japan			X					
US AIR FORCES EUROPE								
Ramstein AB GE	X							
Heidelberg GE	X	X	X	X				
Bad Kreuznach GE		X		X	X	X	X	
Baumholder GE			X	X	X	X	X	
Friedberg GE			X	X	X	X	X	
Wurzberg GE		X		X	X	X	X	
Vilseck GE			X	X	X	X	X	
Schweinfurt GE			X	X	X	X	X	
Manheim GE		X	X	X	X	X	X	
Grafenwoehr GE				X	X			
Hohenfels GE				X	X	X	X	

Location	CMS	SMS	MSG	TSG	SSG	SRA	A1C	Student
Camp Ederle IT			X		X	X	X	
RAF Mildenhall			X					
Sembach AB GE					X			
Spangdahlem AB GE					X			
OTHER COMMANDS								
Pentagon, Washington DC	X							
Hurlburt Fld FL			X	X	X	X		X
Kirtland AFB NM				X				
Lackland AFB TX			X	X				

Figure 3.

NOTE: The authorizations listed above are subject to change without notice. Members interested in assignments to locations listed should consult their MAJCOM functional manager or the AFPC resource manager for more detailed information about requirements for a specific location.

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

§10. Specialty Qualifications:

10.1. Apprentice Level Training:

10.1.1. Specialty Qualification.

10.1.1.1. Knowledge. Knowledge is mandatory of: Air Force Theater Air Control system and Army Air Ground System, tactical air support weapons systems; covert and overt signaling and marking; combat intelligence collecting and reporting; individual and crew-served weapons; site selection and defense; Army military symbology, weapons, and equipment; artillery-call-for fire and adjustment procedures; Army combat maneuver unit missions, organization, and tasking; characteristics of mobile and portable communication systems, global positioning systems, and associated equipment; field expedient antennas; vehicle and foot movement techniques; Army and Air Force supply and mobility procedures; Army command and unit staff functions and tasking; interservice and host-tenant support agreements and procedures; TACP vehicle and support equipment operations, management, and operator servicing procedures; tactical air request, coordination, and control procedures; universal transverse mercator map and compass navigation; and geographical reference system.

10.1.1.2. Education. For entry into this specialty, completion of high school with courses in mathematics is desirable.

10.1.1.3. Training. For award of AFSC 1C431, completion of Course E3ABP1C431 000, Tactical Air Command and Control Apprentice course, is mandatory.

10.1.1.4. Other. Eligibility for a Secret security clearance is mandatory for award and retention of AFSCs 1C431/51/71/91/00. Qualification to operate government vehicles according to AFI 24-301 is mandatory for entry, award, and retention of AFSCs 1C411/31/51/71. Normal color vision and depth perception as defined in AFI 48-123 is mandatory for entry into this AFSC. The ability to speak English clearly and distinctly is mandatory for entry, award and retention of AFSCs 1C411/31/51/71/91/00. Also required is an AQE score of 48.

10.1.2. Training Sources and Resources. Completion of the Tactical Air Command and Control Apprentice Course at Hurlburt Field FL satisfies the knowledge and training requirements specified in the specialty qualification section (above) for award of the 3-skill level.

10.1.3. Implementation. Tactical Air Command and Control Specialists (TACCS) are typically assigned to Tactical Air Control Parties (TACP) and Air Support Operation Centers (ASOC) that support Army combat maneuver units. Due to the nature of this specialized ground combat oriented career field, all TACCS will maintain physical fitness standards commensurate to their supported Army element as measured by the Army Physical Fitness Test (APFT) according to Army Field Manual (FM) 21-20. All re-trainee candidates should be screened by 1C4X1 personnel to ensure the individual meets all entry level and physical fitness prerequisites (50 points in each area of the APFT). Active duty non-prior service students are screened by 1C4X1 personnel at the Lackland Training Center (LTC). Air National Guard candidates will be screened by the gaining ANG TACP unit. Upgrade training starts when an individual is assigned to their first duty position. Upon completion of upgrade training, qualification training is initiated anytime an individual is assigned duties they are not qualified to perform. ETPs/QTPs may be used concurrently to obtain necessary duty position qualifications.

10.2. Journeyman Level Training:

10.2.1. Specialty Qualification. All qualifications for AFSC 1C431 apply to the 1C451 requirements.

10.2.1.1. Knowledge. Knowledge is mandatory of: Air Force Theater Air Control System and Army Air

Ground System, tactical air support weapons systems; covert and overt signaling and marking; combat intelligence collecting and reporting; individual and crew-served weapons; site selection and defense; Army military symbology, weapons, and equipment; artillery-call-for fire and adjustment procedures; Army combat maneuver unit missions, organization, and tasking; characteristics of mobile and portable communication systems, global positioning systems, and associated equipment; field expedient antennas; vehicle and foot movement techniques; Army and Air Force supply and mobility procedures; Army command and unit staff functions and tasking; interservice and host-tenant support agreements and procedures; TACP vehicle and support equipment operations, management, and operator servicing procedures; tactical air request, coordination, and control procedures; universal transverse mercator map and compass navigation; and geographical reference system.

10.2.1.2. **Training.** Completion of the Career Development Course is mandatory for award of the 5-skill level.

10.2.1.3. **Experience.** Completion of the following is required:

10.2.1.3.1. Qualification in and possession of AFSC 1C431. Also, experience in TACP operations.

10.2.1.3.2. All core tasks specified by an asterisk (*) in column 2 of the STS.

10.2.1.3.4. Completion of upgrade training.

10.2.1.4. **Other.** Same as apprentice level.

10.2.2. **Training Sources and Resources.** CDC 1C451/ETPs may be ordered through the unit training manager. The STS identifies all the core tasks required for qualification in an individual's duty position.

10.2.3. **Implementation.** Entry into upgrade training begins when an individual arrives at their initial assignment.

10.3. **Craftsman Level Training:**

10.3.1. **Specialty Qualification.** All 1C431/51 qualifications apply to the 1C471 requirements.

10.3.1.1. **Knowledge.** Knowledge is mandatory of: Air Force Theater Air Control System and Army Air Ground System, tactical air support weapons systems; covert and overt signaling and marking; combat intelligence collecting and reporting; individual and crew-served weapons; site selection and defense; Army military symbology, weapons, and equipment; artillery-call-for fire and adjustment procedures; Army combat maneuver unit missions, organization, and tasking; characteristics of mobile and portable communication systems, global positioning systems, and associated equipment; field expedient antennas; vehicle and foot movement techniques; Army and Air Force supply and mobility procedures; Army command and unit staff functions and tasking; interservice and host-tenant support agreements and procedures; TACP vehicle and support equipment operations, management, and operator servicing procedures; tactical air request, coordination, and control procedures; universal transverse mercator map and compass navigation; and geographical reference system.

10.3.1.2. **Education.** To assume the ranks of SSgt and MSgt, individuals must be graduates of the Airman Leadership School (ALS) and NCO Academy, respectively.

10.3.1.3. **Training.** Completion of course E3ACP1C471-001, Tactical Air Command and Control Craftsman Course is mandatory for award of the 7-skill.

10.3.1.4. **Experience.** Qualification in and possession of AFSC 1C451. Experience as a Terminal Attack Controller is recommended and highly desirable. Also, experience in supervising tactical air command and control operations, personnel, and equipment.

10.3.1.5. **Other.** Same as apprentice level.

10.3.2. **Training Sources and Resources.** Completion of Course E3ACP1C471-001, Tactical Air Command and Control Craftsman Course satisfies the knowledge requirements specified in the specialty qualification section (above) for award of the 7-skill level. The STS identifies all the core tasks required for qualification.

10.3.3. **Implementation.** Entry into 7 level upgrade training is initiated on the first day of the promotion cycle.

10.4. **Superintendent Level Training:**

10.4.1. **Specialty Qualifications.**

10.4.1.1. **Knowledge.** Knowledge is mandatory of: Air Force Theater Air Control System and Army Air Ground System; joint service combat operations; Army and Air Force logistical and mobility procedures; Army command and unit staff functions, combat maneuver missions, organization, and tasking; interservice and host-tenant support agreements and procedures; equipment maintenance support activities; TACP vehicle fleet operations and management; and administrative procedures.

10.4.1.2. **Training.** Completion of all training tasks is mandatory.

10.4.1.3. **Experience.** Qualification as a Tactical Air Command and Control Craftsman is mandatory. Experience as a Terminal Attack Controller is recommended and highly desirable. Also, experience in managing tactical air command and control operations, personnel, and equipment.

10.4.1.4. **Other.** Same as apprentice level.

10.4.2. **Training Sources and Resources.** The STS identifies all tasks required for qualification in the individual's duty position.

10.4.3. **Implementation.** Skill level is awarded when an individual possesses the 7-skill level and is in the grade of SMSgt. Qualification training is initiated anytime an individual is assigned duties they are not qualified to perform.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude 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. Also included in this section are actions required, office of primary responsibility, are target completion dates. Resource constraints will be reviewed and updated at least annually.

12. Apprentice Level Training: None identified.

13. Journeyman Level Training: None identified.

14. Craftsman Level Training: None identified.

Section E – Transition Training Guide

15. There are currently no transition training requirements. This area is reserved.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning 20030428 and graduating on 20030808 for 3-skill level training. Course implementation for 7-skill level training will be with classes beginning 20030407 and graduating on 20030425. Projected activation date for the three revised CDC volumes is 1 June 2003.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in the column 1 (*Task, Knowledge, and Technical Reference*) the most common tasks, knowledge, and technical references (TR) necessary for airman to perform duties in the 3-, 5-, and 7-skill level. Column 1 marked with an asterisk (*) are the tasks and /or knowledge trained in the resident wartime course. Column 2 (*Core Tasks*) identifies, by asterisk (*), specialty-wide training requirements.

2.2. Shows formal training and correspondence course requirements. Column 3 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task and knowledge and the career knowledge provided by the correspondence course. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listings. Course descriptions and reporting instructions for both the E3ABP1C431-000 and the E3ACP1C471-001 formal courses are identified in the Air Force Education and Training Course Announcements (ETCA) database which is located at the following URL: <https://etca.randolph.af.mil/>

2.3. Provides certification for OJT. Column 4 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date. (*As a minimum, use the following column designators: Training Complete, Certifier Initials*).

2.4. **Qualitative Requirements.** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.5. Becomes a job qualification standard for on-the-job training when placed in AF Form 623, On-The-Job Training Record, and used according to AFI 36-2201, Vol 3. When used as a JQS, the following requirements apply:

2.5.1. **Documentation.** Document and certify completion of training. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Training Completed, Trainee Initials, and Trainer/Certifying Official Initials. Documentation of satisfactory completion of the semi-annual fitness test (STS element 8) IAW FM 21-20, including MSgt and SMSgt 1C4X1s, will be on AF Form 1098 or automated equivalent. *NOTE:* The AFCFM may supplement these minimum documentation procedures as needed or deemed necessary for their Career Field.

2.5.1.1. **Converting from Old Document to CFETP.** Use the new CFETP to identify and certify all past and current qualifications. For core/critical tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter trainees and certifier's initials. For non-core/non-critical tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter trainees and trainers initials. For previous certification on tasks not required in the current duty position, carry forward only the previous completion date. If and when these tasks become a duty position requirement, recertify with current date and certifier's initials.

2.5.1.2. **Documenting Career Knowledge.** When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. *NOTE:* Career Knowledge must be documented prior to submitting a CDC waiver.

2.5.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using an automated system. Appropriate remarks are entered on the AF Form 623A, On-The-Job Training Record Continuation Sheet, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

2.5.2. Training Standard. Tasks are trained and qualified to the Go/No Go level. **Go**—The stage at which a trainee has gained enough skill, knowledge, and experience to perform the tasks without supervision. Meeting the task standard. **No Go**—Trainee has not gained enough skill, knowledge, and experience to perform task without supervision. Does not meet task standard.

2.6. STS is a guide for development of promotion tests used in the Weighted Airmen Promotion System (WAPS). Specialty Knowledge Tests (SKT) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based on study references listed in the WAPS study catalog. WAPS is not applicable to the Air National Guard.

3. Recommendations. Comments and recommendations are invited concerning the quality of AETC training. A Customer Service Information Line (CSIL) has been installed for the supervisors' convenience. For a quick response to concerns, call our CSIL at DSN 597-3790, or email us at 81trg-tget@keesler.af.mil. Reference this STS and identify the specific area of concern (paragraph, training standard element, etc.)

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

RONALD E. KEYS, Lt General, USAF
Deputy Chief of Staff
Air and Space Operations

THIS BLOCK FOR IDENTIFICATION PURPOSES ONLY		
NAME OF TRAINEE		
PRINTED NAME (Last, First Middle Initial)	INITIALS (Written)	SSAN
PRINTED NAME OF TRAINER, CERTIFYING OFFICIAL AND WRITTEN INITIALS		
N/I	N/I	

QUALITATIVE REQUIREMENTS

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The Individual
TASK PERFORMANCE LEVELS	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
	2	Can do most parts of the task. Needs help only on hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all parts of the task. Needs only a spot check of completed work. (COMPETENT)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (HIGHLY PROFICIENT)
*TASK KNOWLEDGE LEVELS	a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
	b	Can determine step by step procedures for doing the task. (PROCEDURES)
	c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
	d	Can predict, isolate, and resolve problems about the task. (ADVANCED THEORY)
**SUBJECT KNOWLEDGE LEVELS	A	Can identify basic facts and terms about the subject. (FACTS)
	B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
	C	Can analyze facts and principles and draw conclusions about the subject. (ANALYSIS)
	D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)

EXPLANATIONS

- * 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. (Examples: 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.
- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.
- x This mark is used alone in course columns to show that training is required but not given due to limitations in resources.

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Task	3. Proficiency codes used to indicate training / information provided					4. CERTIFICATION OF OJT				
		A 3-Skill Level		B 5-Skill Level		C 7-Skill Level	A	B	C	D	E
		(1) CRS	(2) CDC	(1) CRS	(2) CDC	(1) CRS	Start Date	Comp Date	Trainer Initials	Certifier Initials	Trainee initials
1. CAREER LADDER PROGRESSION TR: AFI 36-2101; AFMAN 36-2108		A			B	-					
* 2. SECURITY	*										
2.1. Communications Security (COMSEC) TR: JP 3-54, AFI 31-401, 33-204, 33-207, 33-210, 33-211											
2.1.1. Classified Information		A			-	-					
2.1.2. Prevent Security Violations		a			-	-					
2.1.3. Use MAJCOM/FOA Critical Information (CI)		a			-	-					
2.1.4. Observe security precautions involved in communications		a			-	-					
2.2. Operations Security (OPSEC) TR: AFPD 10-11; AFI 10-1101; Joint Pub 3-54											
2.2.1. Definition of OPSEC		-			-	-					
2.2.2. History of OPSEC		-			-	-					
2.2.3. Relationship of OPSEC to other security programs such as COMSEC, information security, and physical security		-			-	-					
2.2.4. Common OPSEC vulnerabilities		-			-	-					
2.2.5. OPSEC significance of unclassified data		-			-	-					
2.2.6. Specific OPSEC vulnerabilities of AFSC 1C4X1		A			-	-					
3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) TR: AFMAN 32-4005, 91-201; AFI 91- 302; AFOSH Stds 127-43, 127-56, 127-66, 166-10											
3.1. Hazards of AFSC 1C4X1		A			B	-					
* 3.2. Safety practices											
3.2.1. High voltage		A			B	-					
3.2.2. Radio frequency		A			-	-					
3.2.3. Laser energy		A			B	-					
3.2.4. Portable fire extinguishers		A			-	-					
3.2.5. Corrosive materials		A			-	-					
3.2.6. Utilize lithium batteries		2b			b	-					
3.2.7. Use pyrotechnics		-			-	-					
3.2.7.1. Storage		a			-	-					
3.2.7.2. Documentation		a			-	-					
3.2.7.3. Protection		a			-	-					
3.2.8. Depleted Uranium		A			B	-					
4. PARTICIPATE IN USAF GRADUATE EVALUATION PROGRAM TR: AFI: AFI 36-2201		-			-	-					
5. SUPPORT AGREEMENTS TR: AFI 25-201; AR 525-25; DODR 4000.19r											
5.1. Inter-service		-			-	-					
5.2. Host Tenant		-			-	-					
6. SUPERVISION											
6.1. Orient new personnel TR: AFMAN 36-2108; AFI 36-2201		-			-	-					
6.2. Responsibilities commensurate with position TR: AFPAM 36-2618		-			-	-					
6.3. Plan work assignments TR: AFPAM 36-2618		-			-	-					
6.4. Schedule work assignments TR: AFPAM 36-2618		-			-	-					
6.5. Establish: TR: AFI 36-2101; AFPAM 36-2618											
6.5.1. Work methods		-			-	-					
6.5.2. Controls		-			-	-					
6.5.3. Performance methods		-			-	-					
6.6. Evaluate performance of subordinate personnel TR: AFI 36-2403, 36-2201		-			-	-					
6.7. Counsel personnel TR: AFPAM 36-2618											
6.7.1. Individual problems		-			-	-					

1.	2.	3.	4. CERTIFICATION OF OJT							
6.7.2. Interservice relations		-		-	-					
6.8. Locate information in publications TR: AFTOs 0-1-01, 00-5-1; Joint Pub 1-01.1; Allowance Standards	*									
6.8.1. Air Force		a		A	-					
6.8.2. Army		a		A	-					
6.8.3. Joint		a		A	-					
6.8.4. Technical orders		2b		-	-					
6.9. Initiate action to correct substandard performance by personnel. TR: AFI 36-2907		-		-	-					
6.10. Coordinate activities with other: TR: AFI 13-102, 25-201; AFPAM 36-2618										
6.10.1. Agencies		-		-	-					
6.10.2. Services		-		-	-					
7. TRAINING TR: AFI 36-2201, 13-102										
7.1. Evaluate personnel to determine need for training		-		-	-					
7.2. OJT										
7.2.1. Prepare job qualification standards		-		-	-					
7.2.2. Conduct training		-		-	-					
7.2.3. Counsel trainees on their progress		-		-	-					
7.2.4. Monitor effectiveness of training										
7.2.4.1. Career knowledge training		-		-	-					
7.2.4.2. Job proficiency upgrade		-		-	-					
7.2.4.3. Combat mission ready certification		-		-	-					
7.3. Maintain training records		-		-	-					
7.4. Evaluate effectiveness of training programs		-		-	-					
7.5. Recommend personnel for training TR: AFI 36-2101; AFMAN 36-2108; AFCAT 36-2223		-		-	-					
8. PHYSICAL READINESS TR: Army FM 21-20, FM 21-18										
* 8.1. Maintain physical training standards	*	3c		-	-					
8.2. Develop physical training program		-		-	-					
8.3. Conduct foot marches		-		-	-					
* 9. AIR GROUND OPERATIONS SYSTEM TR: Joint Pub 0-2, 3-09, 3-09.3, 3-30, 3-56.1, 3- 60; AFTTP (I) 3-2.6, 3-2.16, 3-2.17; AFTTP 3-1 Vol 1, 26; AFDD 1, 2-1, 2-1.3; Army FM 1-02, 6-20, 71-100, 71-100-2, 71-123, 90-20, 100-5, 100-103, 100-103-1, 101-5-1										
9.1. U. S. Army		B		B	-					
9.2. U. S. Air Force		B		B						
9.3. Doctrine										
9.3.1. Basic		-		A	B					
9.3.2. Operational		-		-	B					
* 10. TACTICAL COMMUNICATIONS TR: Army FM 6-02.53, 11-1, 24-11, 24-12, 24-18, 24- 19, 24-33, 24-35, 24-35-1	*									
10.1. Use radiotelephone procedures		2b		b	-					
10.2. Use Signal Operating Instructions (SOI)		2b		b	-					
10.3. Authenticate radio transmission		2b		b	-					
10.4. Electronic Counter Counter Measures (ECCM)		A		B	-					
10.5. Encode/decode radio message information		2b		b	-					
* 11. COMMUNICATIONS EQUIPMENT TR: Applicable T.O.s; FM 6-02.53, 24-11, 24-12, 24- 18, 24-19; MCRP 3-40.3C, Harris <i>Quick-Reference Pocket Guide</i> , Harris <i>AN/PRC-117F</i> , <i>Manpack Radio Operations Manual</i>	*									
11.1. Operate communications systems										
11.1.1. Ground Radio Communications Pallet		2b		b	-					
11.1.2. Portable radios		2b		b	-					
11.2. Antennas										
11.2.1. Construct supplemental/field expedients		-		b	-					
11.2.2. Theory		B		B	-					
12. VEHICLE OPERATIONS TR: AFI 24-301; AFMAN 24-306; FM 21-305; Applicable T.O.s										
* 12.1. Perform Air Force operator vehicle inspections	*	2b		-	-					
12.2. Drive tactical vehicles under										
* 12.2.1. Tactical conditions	*	2b		-	-					

	1.	2.		3.			4. CERTIFICATION OF OJT						
* 12.2.2. Non-tactical conditions		*	2b			-	-						
12.3. Field expedient techniques			-			-	-						
* 13. COMBAT FIELD SKILLS TR: AFI 36-2226; AFMAN 36-2216; FM 1-02, 20-3, 21-10, 21-18, 3-25.26, 21-60, 21-75, 21-76, 101-5-1													
13.1. Navigate by													
13.1.1. Foot		*	2b			b	-						
13.1.2. Vehicle		*	2b			b	-						
13.2. Use Military Grid Reference System (MGRS)		*	2b			b	-						
13.3. Geographic Coordinate System													
* 13.3.1. Use Lat/Long Minutes, Decimal Minutes		*	2b			b	-						
* 13.3.2. Use Lat/Long Minutes, Seconds		*	2b			b	-						
* 13.4. Extract map information		*	2b			b	-						
* 13.5. Use tactical map symbols		*	2b			b	-						
* 13.6. Use Global Positioning System equipment		*	2b			b	-						
* 13.7. Perform active and passive signaling		*	2b			-	-						
* 13.8. Use field gear/equipment		*	2b			-	-						
* 13.9. Operate night vision equipment		*	2b			-	-						
13.10. Small unit tactics													
* 13.10.1. Select and prepare bivouac sites		*	2b			-	-						
* 13.10.2. Individual movement techniques		*	2b			-	-						
* 13.10.3. Apply personal camouflage principles		*	2b			-	-						
* 13.10.4. Construct fighting positions		*	2b			-	-						
13.11. Range estimation and determine target coordinates													
13.11.1. System aided		*	-			b	-						
* 13.11.2. Unaided		*	b			b	-						
13.12. Use small arms weapons													
13.12.1. Use automatic rifle/carbine		*	-			b	-						
13.12.2. Use pistol			-			b	-						
13.12.3. Use crew served weapons (see Note 3)			-			-	-						
13.13. Use Chemical Warfare Defense Equipment		*	-			-	-						
14. THEATER AIR SUPPORT OPERATIONS TR: Joint Pub 2-01, 2-02, 3-09, 3-09.1, 3-09.3, 3-30, 3-55.1, 3-56.1; AFTTP 3-1 Vol 1, 2, 3, 26; AFTTP 3-3 Vol 3, 5, 17, 19, 20; AFTTP (I) 3-2.6, 3-2.10, 3-2.16, 3-2.29 (FM 3-06.1); AFDD 2-1.3, 2-5.2; AFI 11-214, 13-102; FM 1-02, 3-30, 6-20, 6-20-10, 6-20-20, 6-20- 30, 6-20-40, 6-20-50, 6-30, 6-71, 100-103, 100-103-1, 100-103-2, 101-5, 101-5-1; Janes Manuals													
* 14.1. Air Tasking Orders/Airspace Coordination Orders/Special Instructions (SPINS)		*	A			B	C						
* 14.2. Use Operations Plans		*	-			a	b						
* 14.3. Use Operations Orders		*	-			a	b						
14.4. Support Operations													
14.4.1. Air Defense			-			-	A						
14.4.2. Suppression of Enemy Air Defense (SEAD)/ Electronic Warfare (EW)			-			-	B						
14.4.3. Intelligence, Surveillance, and Reconnaissance (ISR), Command and Control (C2)			-			-	B						
14.4.4. Airlift			-			-	B						
14.5. Weapons systems													
14.5.1. Characteristics/Visual identification			B			-	-						
14.5.2. Capabilities			B			B	C						
14.6. Air-to-Surface munitions capabilities			B			B	C						
14.7. Surface-to-Air threats			-			-	B						
14.8. Aircraft employment													
14.8.1. F-16/A/OA-10			-			-	B						
14.8.2. Other CAS aircraft			-			-	B						
14.9. CAS Mission planning & execution													
14.9.1. Tactics, techniques, and procedures													
14.9.1.1. Joint			-			A	B						
14.9.1.2. Air Force			-			A	B						
14.9.1.3. Army			-			A	B						
14.9.2. Targeting			-			-	B						
* 14.9.3. Plan CAS Mission		*	1a			b	2c						
* 14.9.4. Prepare Joint Theater Air Support Requests		*	2b			b	-						
* 14.9.5. Apply Military Decision Making Process		*	-			-	2c						
* 14.9.6. Employ air-to-ground ordnance		*	-			-	2c						
* 14.9.7. Integrate air assets with fire support		*	-			-	2c						

1. 15. READINESS TR: AFI 10-201, 10-400, 10-402, 10-403; AFMAN 10-401 Vol 1; ASC 016, 538, 795; WMP 3 Part 2, WMP 3 Part 3	2.	3.				4. CERTIFICATION OF OJT					
15.1. Status of Resources and Training System (SORTS)											
15.1.1. Unit Type Codes (UTC)	-				B	-					
15.1.2. Designed Operational Capability (DOC) statements	-				B	-					
15.2. Resource management											
15.2.1. Equipment requirements	-				B	-					
15.2.2. Manpower requirements	-				A	-					
NOTE 1: Items in column 1 marked with an asterisk (*) are the tasks/knowledge trained in resident wartime courses. NOTE 2: For STS element 8, students attending resident training must achieve 60 point standard in each area for their age group prior to graduation. All other 1C4X1s will be tested semi-annually to the 60 point standard in each area for their age group and must maintain the required level of physical conditioning IAW FM 21-20. Documentation of the semi-annual fitness test will be on AF Form 1098 or automated equivalent. Progressive foot marches of 5, 10, 15, and 20 miles with minimum combat load of 72 pounds should be mandatory training and be scheduled regularly per FM 21-18. Document 5 mile and longer foot marches on AF 623a, AF Form 1098, or automated equivalent. NOTE 3: Individuals required to operate in Army vehicles with crew served weapons must be trained on that weapon IAW AR 525-25. For example, individuals operating in an M-113 armored personnel carrier must be trained on the M-2 or MK-19.											

Section B - Course Objective List

4. Measurement. Each objective is indicated as follows: **W** indicates task or subject knowledge which is measured using a written test, **PC** indicates required task performance which is measured with a performance progress check, and **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check. **P** indicates performance test only.

5. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained.

6. Proficiency Level. Most task performance is taught to the “2b” proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task.

7. Course Objective. These objectives are listed in the sequence taught by Block of Instruction.

7.1. Initial Skills Course.

Block I, Basic Career Knowledge

2a. Identify basic facts relating to career progression in the Tactical Air Command and Control career field. STS: 1. Meas: W

3a. Identify basic facts about safety and health hazards of AFSC 1C4X1. STS: 3.1. Meas: W

3b. Identify proper safety practices associated with the 1C4X1 career field. STS: 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5, 3.2.6, 3.2.7.1, 3.2.7.2, 3.2.7.3, 3.2.8. Meas: W

4a. Identify facts relating to proper communications security (COMSEC) procedures. STS: 2.1.1, 2.1.2, 2.1.3, 2.1.4. Meas: W

4b. Identify basic facts about Operations Security (OPSEC) vulnerabilities of AFSC 1C4X1. STS: 2.2.6. Meas: W

5a. Identify facts about locating information in selected publications. STS: 6.8.1, 6.8.2, 6.8.3. Meas: W

5b. Identify procedures used to locate information in Air Force/joint technical orders (TO). STS: 6.8.4. Meas: W

6a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

Block II, Portable Communications Equipment

1a. Identify basic principles of radio operation. STS: 11.1.1, 11.1.2. Meas: W

1b. Identify types of modulation. STS: 11.1.1, 11.1.2. Meas: W

2a. Identify basic characteristics of the PRC-117F portable radio. STS: 11.1.2. Meas: PC/W

2b. Using a PRC-117F portable radio, perform system turn on procedures within the assigned frequency spectrum in accordance with a locally produced checklist. STS: 11.1.2. Meas: PC/W

2c. Using a PRC-117F portable radio, perform Have Quick operations in accordance with a locally produced checklist. STS: 11.1.2. Meas: PC/W

2d. Using a PRC-117F portable radio and one AN/CYZ-10 loading device, perform key operating functions in accordance with a locally produced checklist. STS: 11.1.2. Meas: PC/W

2e. Using a PRC-117F portable radio and one AN/CYZ-10 loading device, perform Satellite Communications (SATCOM) operations in accordance with a locally produced checklist. STS: 11.1.2. Meas: PC/W

3a. Identify the effects of propagation and terrain on radio waves. STS: 11.2.2. Meas: W

3b. Identify basic facts and terms relating to antennas. STS: 11.2.2, Meas: W

4a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

Block III, Tactical Communications

1a. Identify radiotelephone procedures. STS: 10.1. Meas: W

2a. Identify US Army staff functions and echelons. STS: 9.1. Meas: W

2b. Identify procedures for extracting SOI information from the AN/CYZ-10. STS: 10.2. Meas: W

3a. Identify Numerical Cipher/Authentication techniques. STS: 10.3, 10.5. Meas: W

4a. Identify types of electronic countermeasures. STS: 10.4. Meas: W

4b. Identify types of jamming. STS: 10.4. Meas: W

4c. Identify basic facts and terms of electronic counter-countermeasures. STS: 10.4. Meas: W

5a. Using a portable radio and a radio net operations scenario, perform the duties of a net operator in accordance with a locally produced checklist. STS: 10.1, 10.2, 10.3, 10.5. Meas: PC

6a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

Block IV, Ground Environment Training

1a. Identify tactical driving techniques. STS: 12.1, 12.2.1, 12.2.2. Meas: W

2a. Determine procedures for assembly and maintenance of TA-50 equipment. STS: 13.8. Meas: W

2b. Identify Tactical Map Symbols. STS: 13.5. Meas: W

2c. Identify procedures relevant to tactics of small units. STS: 13.10.1, 13.10.2, 13.10.3, 13.10.4. Meas: W

2d. Identify signaling and marking techniques. STS: 13.7. Meas: W

2e. Identify characteristics of the PVS-7 (Night Vision Goggles). STS: 13.9. Meas: W

3a. Determine proper map reading techniques. STS: 13.4. Meas: W

3b. Using the Geographic Coordinate System plot Lat/Long coordinates in accordance with a locally produced checklist. STS: 13.3.1, 13.3.2, 13.4. Meas: PC

3c. Determine proper techniques for utilizing the Military Grid Reference System (MGRS) STS: 13.2, 13.4 Meas: W

3d. Determine step-by-step procedures for land navigation techniques. STS: 13.1.1, 13.1.2, 13.4, 13.5, 13.11.2. Meas: W

4a. Identify basic facts of the Navstar Global Positioning System. STS: 13.6. Meas: W

4b. Specify operating characteristics of the PSN-11 Precision Lightweight GPS Receiver. STS: 3.2.6, 13.6. Meas: W

5a. Using an M-series vehicle under non-tactical conditions, operate the vehicle in accordance with a locally produced checklist. STS: 12.1, 12.2.2. Meas: PC

5b. Using an M-series vehicle under tactical conditions, operate the vehicle in accordance with a locally produced checklist. STS: 12.2.1, 13.1.2, 13.6, 13.9. Meas: PC

5c. Using a map, compass, and protractor, perform dead reckoning land navigation in accordance with a locally produced checklist. STS: 13.1.1, 13.2, 13.4. Meas: PC

5d. Using a map and GPS, perform foot navigation in accordance with a locally produced checklist. STS: 3.2.6, 13.1.1, 13.2, 13.4, 13.5, 13.6. Meas: PC

5e. Using individual field equipment while operating under field conditions, demonstrate common field skills in accordance with a locally produced checklist. STS: 13.7, 13.8, 13.10.2, 13.10.3, 13.10.4. Meas: PC

5f. Operating under field conditions, perform tactical movement techniques in accordance with a locally produced checklist. STS: 13.1.1, 13.2, 13.4, 13.5, 13.10.1, 13.10.3. Meas: PC

6a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

Block V, Air Support Coordination/Weapons Systems

1a. Identify facts pertaining to US Army organizations. STS: 9.1. Meas: W

2a. Identify functional relationships of Theater Air Control System elements. STS: 9.2. Meas: W

2b. Identify functional relationships of Army Air Ground System elements. STS: 9.1. Meas: W

3a. Identify the relationship of basic facts and state general principles about U.S. and foreign ground weapons systems. STS: 14.5.1, 14.5.2. Meas: W

4a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

Block VI, Communications Pallet

1a. Identify characteristics of the GRC-206 pallet. STS: 11.1.1. Meas: W

1b. Identify functions of the Radio Set Control (RSC). STS: 11.1.1. Meas: W

1c. Using a GRC-206 pallet, perform a system check in accordance with a locally produced checklist. STS: 11.1.1. Meas: PC/W

2a. Identify basic procedures used for GRC-206 communications pallet Have Quick operations. STS: 11.1.1. Meas: W

2b. Using a GRC-206 communications pallet, perform Have quick operations in accordance with a locally produced checklist. STS: 11.1.1. Meas: PC

2c. Identify procedures used for GRC-206 communications pallet FM frequency hopping operations. STS: 11.1.1. Meas: W

2d. Using the GRC-206 communications pallet, perform frequency hopping operations in accordance with a locally produced checklist. STS: 11.1.1. Meas: PC

2e. Identify basic procedures used for GRC-206 communications pallet secure operations. STS: 11.1.1. Meas: W

2f. Using the GRC-206 communications pallet and secure voice equipment, perform secure system operations in accordance with a locally produced checklist. STS: 11.1.1. Meas: PC

3a. Identify principles used in radio systems troubleshooting theory for Line Replacement Units. STS: 11.1.1. Meas: W

3b. Using a GRC-206 communications pallet and troubleshooting analysis flow chart, identify the defective Line Replaceable Unit in accordance with a locally produced checklist. STS: 6.8.4, 11.1.1. Meas: PC

4a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

Block VII, Close Air Support Procedures

1a. Identify basic facts relating to Air Tasking Orders/Aerospace Coordination Orders/Special Instructions (SPINS). STS: 14.1. Meas: W

1b. Identify procedures used to complete a CAS mission request. STS: 14.9.3, 14.9.4. Meas: W

1c. Given a scenario with all applicable information and associated TACP equipment, process a DD Form 1972 with the Air Support Operations Center in accordance with a locally produced checklist. STS: 14.9.4. Meas: PC/W

2a. Identify types of acquisition aids. STS: 14.6. Meas: W

2b. Identify aircraft tactics in regards to the threat environment. STS: 14.6. Meas: W

2c. Identify the relationship of basic facts and state general principles about U.S. Air to Ground Weapons Systems. STS: 14.6. Meas: W

3a. Given a scenario and associated TACP equipment, plan a Medium Altitude CAS mission in accordance with a locally produced checklist. STS: 14.9.3. Meas: PC/W

4a. Perform physical fitness requirements in accordance with a locally produced checklist. STS: 8.1. Meas: PC

7.2 Advanced Skills Course

Block I, Doctrine

2a. Identify the relationship of basic facts and state general principles about Basic Doctrine. STS: 9.3.1. Meas: W

3a. Identify principles of the Air Operations Center (AOC)/Joint Air Operations Center (JAOC). STS: 9.3.2. Meas: W

3b. Identify principles of the Battlefield Coordination Detachment (BCD). STS: 9.3.2. Meas: W

3c. Identify principles of the Deep Operations Cell. STS: 9.3.2. Meas: W

3d. Identify the relationship of basic facts and state general principles about Operational Doctrine. STS: 9.3.2. Meas: W

4a. Identify the relationship of basic facts and state general principles about the Targeting Process. STS: 14.9.2. Meas: W

5a. Determine the principles and functions of Air Tasking, Aerospace coordination orders, and SPINS. STS: 14.1. Meas: W

6a. Identify basic facts and terms of Air Defense Operations. STS: 14.4.1. Meas: W

7a. Identify characteristics and principles of Joint Suppression of Enemy Air Defense (J-SEAD). STS: 14.4.2. Meas: W

7b. Identify the relationship of basic facts and state general principles of Electronic Warfare and SEAD. STS: 14.4.2. Meas: W

8a. Identify the relationship of basic facts and state general principles about Intelligence, Surveillance, Reconnaissance and Command and Control. STS: 14.4.3. Meas: W

9a. Identify the relationship of basic facts and state general principles about Airlift Operations. STS: 14.4.4. Meas: W

Block II, Operations

1a. Determine the appropriate ordnance and fuzing options of Air-to-Surface munitions in terms of capabilities and effects, to be utilized under given conditions. STS: 14.6, 14.9.6. Meas: W

1b. Determine employment methods of GPS guided munitions. STS: 14.6, 14.9.6. Meas: W

2a. Determine capabilities and characteristics of surface-to-surface weapons systems. STS: 14.5.2. Meas: W

3a. Identify the relationship of basic facts and state general principles about surface-to-air threats. STS: 14.7. Meas: W

4a. Identify the relationship of basic facts and state general principles about the F-16 and A/OA-10 aircraft. STS: 14.8.1. Meas: W

5a. Identify the relationship of basic facts and state general principles about other CAS capable aircraft. STS: 14.8.2. Meas: W

6a. Specify Close Air Support (CAS) mission planning techniques and procedures for day, night, and urban CAS missions. STS: 14.9.1.1, 14.9.1.2, 14.9.1.3, 14.9.3

7a. Identify the relationship of basic facts and state general principles about CAS mission planning tactics, techniques, and procedures for joint, Air Force and Army forces. STS: 14.9.1.1, 14.9.1.2, 14.9.1.3, 14.9.7. Meas: W.

Block III, Battalion Air Liaison Officer (BALO) CAS Mission Planning

1a. Determine the step-by-step procedures for Operations Plan (OPLAN) production and Operations Order (OPORD) development. STS: 14.2, 14.3, 14.9.5. Meas: W

3a. Using completed IPB products, perform associated BALO tasks for the planning and execution of CAS in support of a selected OPORD with no more than one error and one instructor assist in each of the six (6) steps. STS: 14.9.3, 14.9.5, 14.9.6, 14.9.7. Meas: PC

Section C - Support Material

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. There are currently no support material requirements. This area is reserved.

Section D - Training Course Index

9. **Purpose.** This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs.

10. Air Force In-Residence Courses.

COURSE NUMBER	COURSE TITLE	LOCATION
ACC-TAC	Terminal Attack Control Course	Nellis AFB, NV
ACC-JAC2C	Joint Aerospace Command and Control Course	Hurlburt Field, FL
S-V80-A	Combat Survival Training	Fairchild AFB, WA
ACC-JCAC	Joint Computer Applications Course	Hurlburt Field, FL

11. Extension Course Institute (ECI) Courses.

COURSE NUMBER	COURSE TITLE
CDC 1C451	Tactical Air Command and Control Journeyman

12. Exportable Courses*

COURSE NUMBER	COURSE TITLE
There are no current exportable courses available. This area is reserved.	

13. Courses Under Development/Revision

COURSE NUMBER	COURSE TITLE	LOCATION
This area is reserved.		

14. Other DOD Courses

COURSE NUMBER	COURSE TITLE	LOCATION
2E-S15S-5R/011-SQIV-G	Ranger	Ft Benning, GA
* L5AZA1T231-001	Airborne	Ft Benning, GA
L5AZA1T251-006	Jumpmaster	Ft Benning, GA
**L5AZA123-006	Military Freefall Parachutist (HALO)	Yuma, AZ
2E-F56/011-F-15	Military Freefall Parachutist Jumpmaster	Yuma, AZ
C5AZA11550-011	Survival, Escape, Resistance, and Evasion (SERE)	Ft Bragg, NC
E5ASA1C451-000	Pathfinder	Ft Benning, GA
E5AZA1C451-000	Long Range Surveillance	Ft. Benning, Ga
Not Listed	Mountain Warfare School (Summer/Winter)	Jerico, Vermont
250-ASI2S	Battle Staff NCO Course	Various Locations
Not Listed	Air Assault Course	Various Locations
Not Listed	Rappel Master Course	Ft Campbell, KY

*This course is required for performance as a jump qualified 1C4X1.

**This training is mandatory for designated J1C4X1 positions assigned to ranger and special operations forces (SOF) units.

Section E - MAJCOM Unique Requirements

15. Air Combat Command Courses.

COURSE NUMBER	COURSE TITLE	LOCATION
----------------------	---------------------	-----------------

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