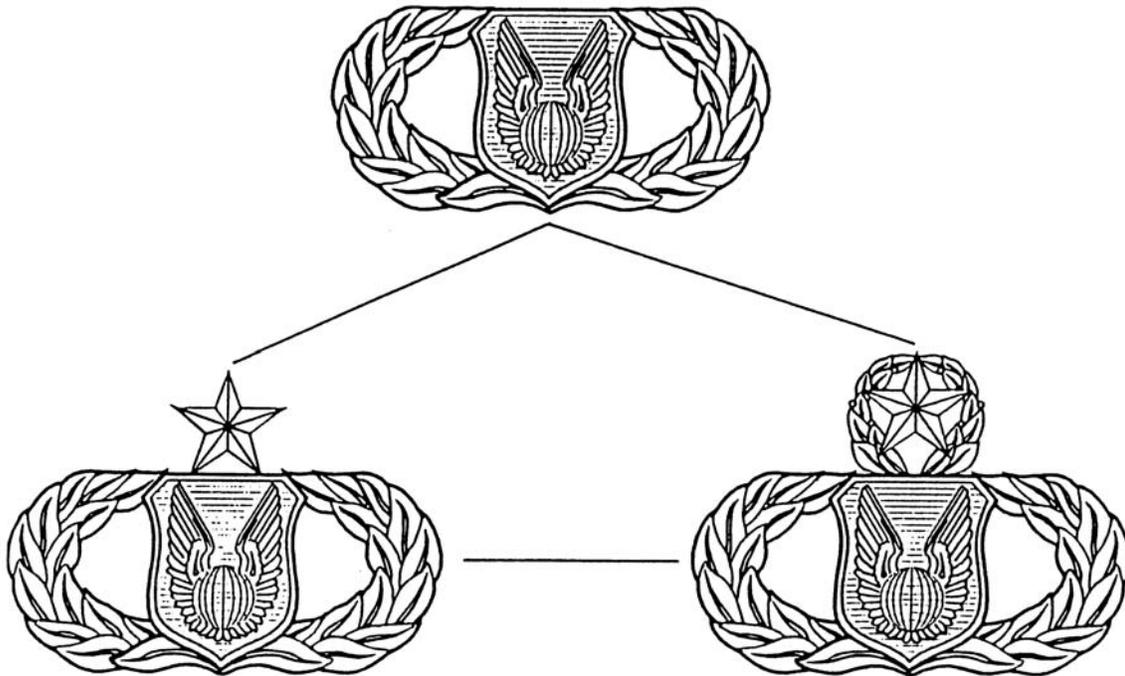


AFSC 1S0X1 SAFETY



**CAREER FIELD EDUCATION AND TRAINING PLAN
SAFETY SPECIALTY
AFSC 1S0X1**

Table of Contents

PART I

| | |
|---|----|
| Preface | 1 |
| Abbreviations/Terms Explained | 2 |
| Section A, General Information | 4 |
| Purpose of the CFETP | |
| Use of the CFETP | |
| Coordination and Approval of the CFETP | |
| Section B, Career Progression and Information | 6 |
| Specialty Description | |
| Skill/Career Progression | |
| Apprentice Level (3) | |
| Journeyman Level (5) | |
| Craftsman Level (7) | |
| Superintendent Level (9) | |
| Training Decisions | |
| Community College of the Air Force | |
| Career Field Path | |
| Section C, Skill level Training Requirements | 16 |
| Purpose | |
| Specialty Qualification Requirements | |
| Apprentice Level (3) | |
| Journeyman Level (5) | |
| Craftsman Level (7) | |
| Superintendent Level (9) | |
| Section D, Resource Constraints | 18 |
| Section E, Transition Training Guide. There are currently no transition training requirements. This area is reserved. | |

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PART II

| | |
|--|----|
| Section A, Specialty Training Standard _____ | 20 |
| Section B, Course Objective List. This area is reserved. _____ | 33 |
| Section C, Support Material. There are currently no support material requirements. This area is reserved. _____ | 33 |
| Section D, Training Course Index _____ | 34 |
| Section E, MAJCOM Unique Requirements _____ | 34 |
| Section F, Continuing Professional Development _____ | 35 |
| Section G, Career Development Plan _____ | 36 |

**SAFETY SPECIALTY
AFSC 1S0X1
CAREER FIELD EDUCATION AND TRAINING PLAN**

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive core-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 will instill vigor in all aspects of career field training.

NOTE: Civilians occupying associated positions will use Part II to support duty position qualification training.

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

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 skill level with specialty qualifications (knowledge, training, education, and experience); Section D indicates resource constraints associated with formal and on-the-job training (OJT). Some examples are funds, manpower, equipment, and facilities. NOTE: AFMAN 36-2108, Airman Classification, contains the job descriptions.

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 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 (QTPs which may be developed to support proficiency training). These packages are located in www.e-publishing.af.mil; Section D identifies a training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses; Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs; Section F identifies continuing professional development; Section G identifies career development plan.

NOTE: Training is the same for wartime and peacetime except during wartime it will be conducted 10 hours a day and 6 days a week.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate points in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

Abbreviations/Terms Explained

Advanced Training (AT). 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 Job Qualification Standard/Command Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). 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.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. Tasks the Air Force Career Field Manager (AFCFM) has identified as the minimum qualification requirements for everyone 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.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) 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 personnel.

Instructional System Development (ISD). A deliberate and orderly, but flexible process for planning, developing, implementing, and managing instructional systems. It ensures personnel are taught in a cost efficient way the knowledge and skills essential for successful job performance.

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

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

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

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

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

Skills Training. A formal course which 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 each skill-level of a specialty.

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 is 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 Air Education and Training Command (AETC) and the functional user to show which of the overall training requirements for an Air Force Specialty Code (AFSC) will be taught in formal schools and which will be taught by Career Development Courses (CDC).

Standard. An exact value, a physical entity, or an abstract concept, the appropriate authority, custom or common consent sets up and defines to serve as a reference, model, or rule in measuring quantities or qualities, developing practices or procedures, or evaluating results. A fixed quantity or quality.

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 a higher level of proficiency.

Utilization & Training Workshop (U&TW). A forum of MAJCOM functional managers, an Air Force career field manager, Subject-Matter Experts (SMEs), and AETC training personnel who determine career field training requirements.

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 career field training program. This plan outlines the training that individuals must receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and continuation training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements 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 required to do the job. Advanced training is formal specialty training used for selected airmen. Continuation training provides additional training that exceeds minimum requirements with emphasis on present or future duty assignments. Proficiency 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 for upgrade. 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. It is used to help supervisors identify training at the appropriate points 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 and identifies sources of training.

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

2. Uses. This plan will be used by MFMs 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/revise formal resident, non-resident, field and exportable training based on requirements established by users and documented in Part II of the CFETP. They will also work with AFCFM to develop procurement and 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. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFS must be identified for inclusion in this plan.

2.3. Each individual will complete the mandatory 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. The AFCFM 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 Progression and Information

4. Specialty Description

4.1. Specialty Summary. Manages and conducts safety programs. Plans, organizes, directs, and controls safety activities. Analyzes mishap causes and trends, and assesses risk. Evaluates, inspects, and surveys areas and activities to eliminate mishap potentials. Conducts mishap investigations. Provides risk management consultation. Conducts safety education. Related DoD Occupational Subgroup: 493.

4.2 Duties and Responsibilities:

4.2.1. Plans, organizes, and directs safety activities. Develops policies and procedures for implementing and evaluating safety programs. Coordinates with staff activities and operational sections to ensure safety requirements are integrated into the organization program. Maintains close liaison with federal, state, municipal, and private agencies sharing common safety concerns. Establishes work priorities and maintains systems to affect accomplishment of program processes. Arranges for group meetings or individual instruction through coordination with commanders and supervisors.

4.2.2. Conducts and assists in managing safety programs. Evaluates safety program effectiveness. Coordinates with agencies and staff activities on safety related matters. Prepares and conducts briefings, meetings, training classes, and associated functions. Determines safety education requirements for groups or individuals. Develops training plans to ensure worker qualification and training. Prepares and conducts training programs for collateral duty safety personnel.

4.2.3. Performs inspections, surveys, and program evaluations of areas and operations to identify mishap potentials and assess integration of risk management approach, safety equipment, and procedures. Performs periodic and special inspections of facilities, flightlines, maintenance, and industrial areas; missile launch complexes and support functions; munitions facilities and operations; and non-industrial and recreational areas. Reports findings, assigns risk assessment codes, recommends corrective actions, and conducts follow-up inspections. Participates in Hazardous Communication, Environmental Compliance Assessment Management Program, and other environmental programs. Reviews explosives quantity distance waivers and deviations, and processes hazardous air traffic reports.

4.2.4. Reviews purchase, service, and construction contracts. Prepares safety criteria. Reviews contract proposals, statements of work, local purchase orders, and work requests for inclusion of safety criteria. Participates in workload planning and preconstruction conferences, pre and post award meetings, and pre and final inspections.

4.2.5. Reviews engineering plans and drawings. Reviews base master plans and site plans affecting construction, airfield and explosive safety criteria. Recommends revision in drawing or rearranging materials.

4.2.6. Performs and assists in mishap investigations, prepares reports, and maintains records. Gathers factual mishap data, identifies causes, and recommends corrective actions to prevent recurrence of a similar mishap. Maintains a follow-up system.

4.2.7. Analyzes mishap data. Performs trend analysis and recommends measures to correct unfavorable conditions or procedures.

4.2.8. Provides safety consultation to commanders, supervisors, and functional managers on technical directives, safety criteria, and operational techniques.

4.2.9. Conducts safety education. Performs or assists in planning and scheduling safety education programs. Prepares or assists in preparing and distributing safety promotional and informative materials.

5. Skill/Career Progression. Quality training and timely progression from the apprentice to the superintendent skill level plays an extremely important role in the Air Force's ability to accomplish its mission. Everyone involved in training must do their part to plan, develop, and manage an effective training program. This part of the CFETP provides guidance to ensure individuals receive viable training at appropriate points in their career. The following narrative identifies an individual's career training path and requirements.

5.1. Apprentice (3-Skill) Level Training: Initial skills training in the Safety specialty consists of task and knowledge training provided in the resident course. Task and knowledge training requirements are identified in STS 1S0X1, which is included in Part II, Section A.

5.2. Journeyman (5-Skill) Level Training: Upgrade training to the 5-skill level in the Safety Specialty consists of task and knowledge training provided in the Career Development Course (CDC) and appropriate OJT. To be awarded AFSC 1S051 an individual must complete CDC 1S051, Safety Journeyman and all mandatory task qualification upgrade requirements. Qualification training is available upon award of the 5-skill level and is listed, but not limited to, the training in Part II, Section D.

5.3. Craftsman (7-Skill) Level Training: Upgrade training to the 7-skill level in the Safety Specialty consists of all mandatory task qualification upgrade requirements and knowledge training provided in OJT, and the Safety Craftsman (7-level) course. To be awarded the AFSC 1S071 an individual must complete the task qualification requirements, MAJCOM/unit requirements, and the mandatory resident 7-skill level course. Qualification training is utilized based on an individual's duty position. Again, continuation training is available, but not limited to the training in Part II, Section D.

5.4. Superintendent (9-Skill) Level Training: A 9-skill level is awarded to all Senior Master Sergeants.

6. Training Decisions. The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Safety career field. The CFETP includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made at the career field Utilization and Training Workshop (U&TW) held at Lackland AFB, TX, 17 – 21 March 2003.

6.1. 3-Level Initial Skills Training: Upon completion of the Apprentice Safety course, conducted at the training center, students will be awarded the 3-skill level.

6.2. 5-Level Upgrade Training: This is the second step in the training structure of the 1S0X1 career field. The objective is to fully qualify 5-levels to perform tasks without supervision in the following time line:

6.2.1. Training will begin after mandatory completion of the 3-level resident course.

6.2.2. The CDC will be completed within 12 months of enrollment.

6.2.3. Completion of all unit directed and core task training identified in the STS/AFJQS.

6.3. 7-Level Upgrade Training: Timely progression to the 7-level is critical to meet mission requirements.

6.3.1. The trainee must complete core tasks identified in the STS/AFJQS.

6.3.2. The trainee must complete the 7-level Safety Craftsman course. The in-residence course should not be scheduled until the individual completes all task qualification, and the supervisor determines that the individual is ready for upgrade.

6.4. Proficiency Training. Proficiency training is critical to the development of the Safety Professional and the “Mission.” The proficiency training program provides additional advanced training exceeding the minimum upgrade training requirements with the emphasis on present and future duty positions. **Professional development does not cease once upgrade has been completed.** Recommended courses are identified in Part II, section F, Continuing Professional Development.

6.5. Safety managers will ensure their OJT program complies with the requirements outlined in AFI 36-2201V3, On the Job Training Administration.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate of Applied Sciences Degree.

7.1. Degree Requirements. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

| | Semester Hours |
|--|----------------|
| Technical..... | 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 |

7.1.1. 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 subjects/courses. Requests to substitute subjects/courses must be approved in advance by CCAF.

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

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

7.1.4. General Education (15 Semester Hours): Applicable courses must meet the Criteria for Application of Courses to the General Education Requirement (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.1.5. 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.

7.2. 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 associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

7.3. 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.

8. Career Field Path. The following tables and figures depict the 1S0 career field manpower distribution and career field path. Figures 1-4 complement the data contained in table 8.2; showing formal training requirements upon lateral into the Safety career field through upgrade to the 9-level.

Table 8.1 Manpower Authorizations (April 04)

| COMMAND/UNIT | CODE | CMSgt | SMSgt | MSgt | TSgt | SSgt | SrA | Total |
|-----------------------|------|----------|-----------|-----------|------------|------------|----------|------------|
| ACC | 1C | 2 | 8 | 20 | 28 | 49 | 0 | 107 |
| AETC | OJ | 1 | 5 | 5 | 19 | 23 | 0 | 53 |
| AFELM | 3G | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| AIA | OU | 0 | 1 | 3 | 5 | 3 | 0 | 12 |
| AFMC | 1M | 0 | 2 | 1 | 9 | 7 | 0 | 19 |
| AFOTEC | 03 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| AFSC | 2T | 0 | 3 | 1 | 0 | 0 | 0 | 4 |
| AFSOC | OV | 0 | 1 | 2 | 4 | 8 | 0 | 15 |
| AFSPC | 1S | 0 | 3 | 6 | 12 | 12 | 0 | 33 |
| AFTAC | 2L | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| AIR WEATHER | 2Q | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| AMC | 1L | 1 | 1 | 11 | 21 | 23 | 0 | 57 |
| DISA | 30 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 11 th WING | 2W | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| HQ USAF | ON | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| PACAF | OR | 1 | 8 | 7 | 10 | 14 | 0 | 40 |
| USAFE | OD | 1 | 2 | 12 | 15 | 15 | 0 | 45 |
| USAFA | OB | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| TOTALS | | 7 | 35 | 71 | 128 | 156 | 0 | 397 |

8.2 Enlisted Career Path.

| Table 8.2 Enlisted Career Path | | | | |
|--|---|-------------------------------|-----------------|---------------------------|
| Education and Training Requirements | GRADE REQUIREMENTS | | | |
| | Rank | Average Sew-On | Earliest Sew-On | High Year Of Tenure (HYT) |
| Basic Military Training School | | | | |
| Apprentice Technical School (3-Skill Level) | SrA | 3 Years | 28 Months | 12 Years |
| Upgrade to Journeyman (5-Skill Level) - Minimum 15 months on-the-job training (9 Months for retrainees) - Complete appropriate CDC | SrA | 36 months TIS & 20 months TIG | 28 months | 10 Years |
| Upgrade to Craftsman (7-Skill Level) - Minimum rank of SSgt - 12 months OJT (6 months OJT if previously held 7-skill level) - Complete Safety Craftsman Course at Technical School. | SSgt | 7.5 years | 3 years | 20 years |
| | <p><u>Certifier</u></p> <ul style="list-style-type: none"> - Possess at least a 7-skill level in the same AFSC, if possible, but not required. - 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 | 22 Years |
| | MSgt | 16 Years | 8 Years | 26Years |
| USAF Senior NCO Academy (SNCOA) - Must be a MSgt or SMSgt - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only). | 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 |

CAREER DEVELOPMENT FLOW CHART

3-SKILL LEVEL

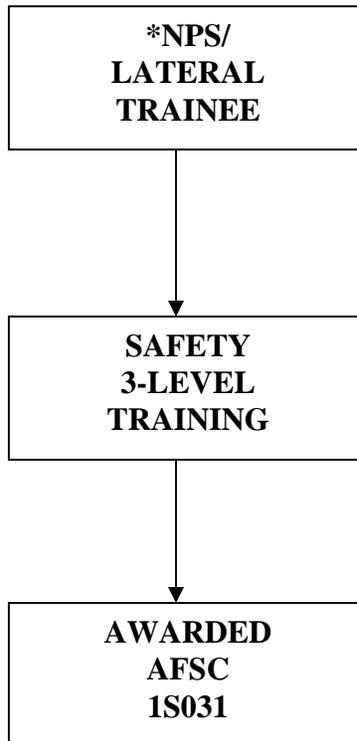
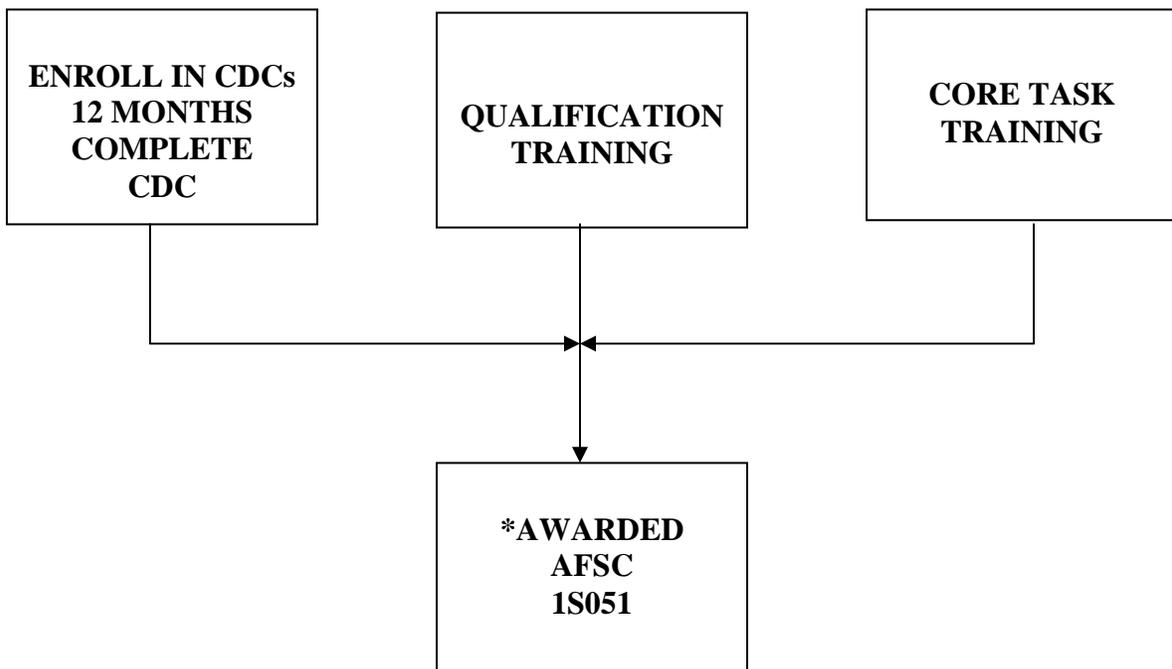


Figure 1

* Non-Prior Service accessions. Scheduled as test from FY05 – FY07

CAREER DEVELOPMENT FLOW CHART

5-SKILL LEVEL

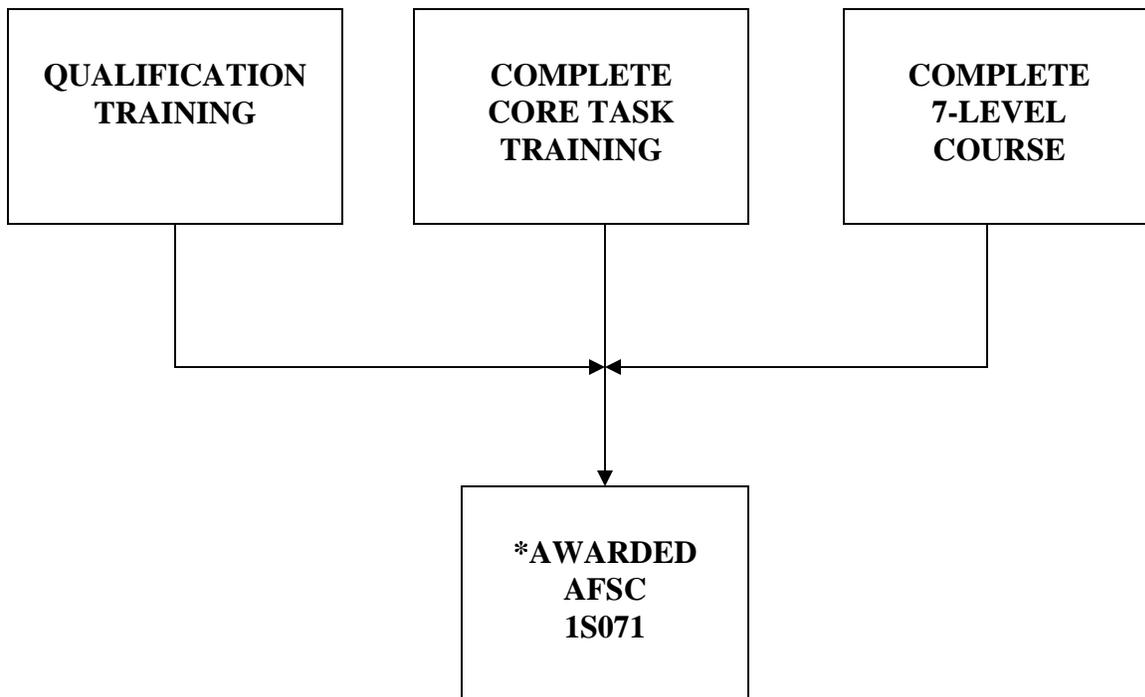


***Completion of core tasks and supervisor recommendation**

Figure 2

CAREER DEVELOPMENT FLOW CHART

7-SKILL LEVEL



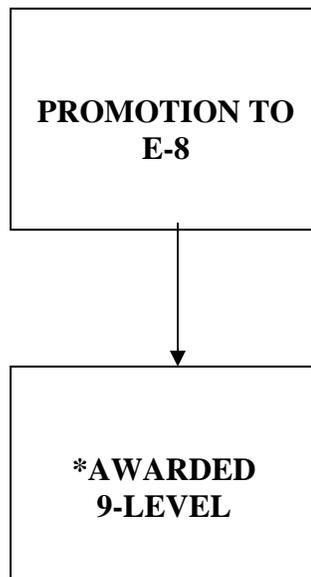
***12 months minimum time in OJT (6 months if previously held a 7-level)**

***Completion of core tasks and supervisor recommendation**

Figure 3

CAREER DEVELOPMENT FLOW CHART

***9-SKILL LEVEL**



*Supervisor recommendation

Figure 4

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, Section A of this CFETP. Unit work centers must develop a structured training program to ensure all requirements are met.

10. Specialty Qualifications:

10.1. Apprentice Level Training:

10.1.1. Qualifications and Knowledge. To perform duties at the 3-skill level, an individual must have knowledge of: Safety education fundamentals, public speaking, mishap prevention, human factors, industrial hygiene principles, industrial safety criteria, blueprint reading, mishap investigation techniques, training principles, risk management, maintenance and servicing techniques, and application of data automation to the safety function.

10.1.2. Training Sources. The Safety Apprentice course, L3ALR1S031 002, PDS Code U7W, provides the initial skills knowledge and performance training required for award of the 3-skill level.

10.1.3. Implementation. Entry into training is accomplished by approved retraining from any AFSC as an E-4 or above. Other requirements include: normal color vision as defined in AFI 48-143; qualification to operate a government vehicle according to AFI 24-301; ability to speak distinctly; ability to write effectively; and an AFQT score of 53 or higher. Completion of the initial skills Safety course, L3ALR1S031 002, PDS Code U7W, awards the 3-skill level.

10.2. Journeyman Level Training:

10.2.1. Qualifications and Knowledge. In addition to the 3-skill level qualification, an individual must possess the knowledge and skills necessary to conduct and assist in conducting several functions of the safety career field. A 5-skill level must be task qualified on inspecting facilities and operations, conducting safety education training, performing mishap investigations, reviewing OIs, directives, and other safety related documents, and providing safety staff consultation and assistance to functional managers and supervisors.

10.2.2. Training Sources. The 5-skill level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.3. Implementation. Training to the 5-skill level is performed by the unit, utilizing STS/AFJQS, CDCs, and exportable courses. Upgrade to the 5-skill level requires completion of the 1S051 Safety Journeyman CDCs.

10.3 Craftsman Level Training:

10.3.1. **Qualifications and Knowledge.** An individual must have knowledge of management techniques, program planning, methods and procedures applicable to safety studies, computation and evaluation of mishap statistics, training principles and methods, mishap investigative techniques, risk management techniques, and hazard abatement.

10.3.2. **Training Sources.** Completion of the L3ACR1S071 000, Safety Craftsman course taught at Lackland AFB, TX is mandatory.

10.3.3. **Implementation.** Upgrade of the 7-skill level will require completion of all core tasks, any mandatory exportable training, 12 months OJT (6 months OJT if trainee previously held 7-skill level), and completion of the 7-skill level course.

10.4 Superintendent Level Training:

10.4.1. **Qualifications and Knowledge.** In addition to 7-skill level qualifications, an individual must possess advanced skills and knowledge of policies and procedures pertaining to safety activities, educational processes necessary to promote effective safety programs, production methods, military training requirements, and management concepts and principles.

10.4.2. **Training Sources.** Unit OJT will be used for training.

10.4.3. **Implementation.** The 9-skill level will be awarded upon promotion to SMSgt.

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 impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training:

12.1. Constraints. There is no identified 3-skill level training constraints.

12.1.1. Impact. N/A

12.1.2. Resources Required. All required resources are on-hand to support the L3ALR1S031-002 course taught at Lackland AFB TX .

12.1.3. Action Required. N/A

12.2. OPR/Target Completion Date. The OPR is 344 TRS/TRR, 950 Voyager Drive, Lackland AFB TX 78236-5724. The 3-skill level course will be revised to meet requirements of this CFETP. Implementation is scheduled for 04 Oct 2004.

13. Five Level Training:

13.1. Constraints. There are no identified training constraints for development of the 5-skill level Career Development Course (CDC).

13.1.1. Impact. N/A

13.1.2. Resources Required. To Be Determined

13.1.3. Action Required. To Be Determined.

13.2. OPR/Target Completion Date. The OPR is 344 TRS/TRR, 950 Voyager Drive, Lackland AFB TX 78236-5724. ECD for the supplemented 5-skill level CDC is 1 Nov 2004.

14. Seven Level Training:

14.1. Constraints. N/A

14.1.1. Impact. N/A

14.1.2. Resources Required. To be determined.

14.1.3. Action Required. To be determined.

14.2. OPR/Target Completion Date. The OPR is 344 TRS/TRR, 950 Voyager Drive, Lackland AFB TX 78236-5724. Implementation is scheduled for 18 Oct 2004.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MAURICE L. MCFANN, JR.
Major General, USAF
Chief of Safety

Part II

Section A – Specialty Training Standard

SAFETY APPRENTICE/JOURNEYMAN/CRAFTSMAN (1S0X1)

1. Implementation. The implementation of this STS for technical training provided by Air Education and Training Command is with the 3-level Apprentice class beginning 04 Oct 2004 and the 7-level Craftsman class beginning 18 Oct 2004.

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

2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. Column 3 identifies, by a double asterisk (**), specialty-wide training requirements (core tasks) requirements.

2.2. 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.

2.3. Shows formal training and correspondence course requirements. Columns 2a and 2c show the level to which task/knowledge training has been accomplished by the Training Center for 1S031 and 1S071 courses respectively, as described in the Education & Training Course Announcement (ETCA). When two codes are used in columns 2a and 2c, the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. Column 2b indicates the career knowledge provided in CDC 1S051. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDCs. Column 2d identifies exportable/supplemental courses, as applicable, that will be used to enhance student knowledge during 5-level continuation training and prior to attending the formal 7-level course. Columns 3a and 3b identifies minimum core task training requirements for award of AFSCs 1S051 and 1S071 respectively. MAJCOM 1S0 functional managers have waiver authority for core tasks identified in this plan. The approved waiver will be maintained in the individual's training record (AF Form 623). Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge and the career knowledge provided by the correspondence course. Certification is accomplished as outlined in the AFI 36-2202.

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. This STS becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-the-Job Training**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

2.5.1. Documentation. Document and certify completion of training in accordance with AFI 36-2201, V3, Chapter 8. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part II of the CFETP: Training Completed, Trainee Initials, Trainer Initials, Certifier Initials (if applicable). An AFJQS may be used in lieu of Part II of the CFETP only upon approval of the AFCFM. **NOTE:** The AFCFM may supplement these minimum documentation procedures as needed or deemed necessary for their Career Field.

2.5.1.1. Converting from Existing to New CFETP. Use the new CFETP to identify and certify all past and current qualifications. For those 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 certifier's initials and trainee's initials. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion dates. If and when these tasks become a duty position requirement, recertify with current date, certifier's initials and trainee'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 AFMAN 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 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 means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

2.6. Specialty Training Standard (STS). Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Senior NCOs with extensive practical experience in their career field develop Specialty Knowledge Tests (SKTs) at the USAF Occupational Measurement Squadron. The tests sample knowledge of STS subject matter areas judged by test development team member as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in Chapter 14 of AFI 36-2605, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserves.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the 37 TRG/DOS, 1000 Mercury Drive, Lackland AFB TX 78236-5724. Reference specific STS

paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have been over- or under-trained on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, Defense Switching Network (DSN) 473-2917, anytime day or night.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MAURICE L. MCFANN, JR.
Major General, USAF
Chief of Safety

2 Attachments

1. Proficiency Code Key
2. Qualitative Requirements

Supersedes CFETP 1S0X1, Parts I and II, 1 Oct 2001

| | | |
|---|--------------------|------|
| <i>THIS BLOCK IS FOR IDENTIFICATION PURPOSES ONLY</i> | | |
| NAME OF TRAINEE | | |
| PRINTED NAME (LAST, FIRST, MIDDLE INITIAL) | INITIALS (WRITTEN) | SSAN |
| PRINTED NAME OF 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 the 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 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.
- # This mark is used to indicate automation may be used to aid in reaching the objective.

NOTE: All tasks and knowledge items shown with a proficiency code are trained during wartime.

| 1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES | 2. FORMAL TRAINING | | | | 3. CORE TASKS | | 4. OJT/CERTIFICATION | | | | |
|--|-----------------------|------------------|---------------|--------------------------------|---------------------|---------------|-------------------------|-----------|--------------|--------------|-----------|
| | a 3 LVL | b C D C | c 7 LVL | d EXPORT- ABLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c TRAINEE | d TRAINER | e CERT |
| 1. SAFETY CAREER FIELD ORIENTATION TR: AFIs 36-601, 91-202; AFMAN 36-2108 & AFPD 91-2 | | | | | | | | | | | |
| 1.1 Identify basic facts and terms about the role of military personnel in the safety career field. | A | | | | | | | | | | |
| 1.2 Identify basic facts and terms about the role of civilians in the safety career field. | A | | | | | | | | | | |
| 1.3 Identify basic facts and terms about the role of special duties in the safety career field. | A | | | | | | | | | | |
| 2. SECURITY TR: DOD 5200.1R & AFI 10-1101 | | | | | | | | | | | |
| 2.1 Identify facts and terms pertaining to Communications Security (COMSEC) | A | | | | | | | | | | |
| 2.2 Identify facts and terms pertaining to Operations Security (OPSEC) | A | | | | | | | | | | |
| 2.3 Identify facts and terms pertaining to specific OPSEC vulnerabilities of Safety specialty | A | | | | | | | | | | |
| 3. SUPERVISION TR: AFI 36-2503, 36-2706, 36-2907, 36-3401, 91-202, 91-207, 91-301; AFMAN 36-2108, AFPAM 36-2705 & AFMS 106A | | | | | | | | | | | |
| 3.1 Orient new personnel | - | - | - | | | | | | | | |
| 3.2 Establish work methods and controls | - | - | - | | | | | | | | |
| 3.3 Plan work assignments and priorities | - | - | - | | | ** | | | | | |
| 3.4 Schedule work assignments | - | - | - | | | ** | | | | | |
| 3.5 Assign personnel to work team/areas | - | - | - | | | ** | | | | | |
| 3.6 Evaluate work performance of subordinate personnel | - | - | - | | | ** | | | | | |
| 3.7 Resolve technical problems for subordinate personnel | - | - | - | | | | | | | | |
| 3.8 Counsel personnel and resolve individual problems | - | - | - | | | | | | | | |
| 3.9 Initiate action to correct sub-standard performance by personnel | - | - | - | | | | | | | | |
| 3.10 Identify basic facts and state general principals regarding Safety manpower documents. | - | A | B | | | ** | | | | | |
| 3.11 Identify basic facts and state general principals regarding budgeting process for Safety offices | - | A | B | | | | | | | | |
| 4. TRAINING TR: AFIs 36-2201, 91-202; AFMAN 36-2108; Education & Training Course Announcement (ETCA) | | | | | | | | | | | |
| 4.1 Evaluate personnel to determine need for training | - | A | - | | | ** | | | | | |
| 4.2 Plan and supervise OJT | - | - | - | | | | | | | | |
| 4.2.1 Prepare qualification standards/master training plan | - | b | 2b | | | ** | | | | | |
| 4.2.2 Conduct training | - | A | - | | | ** | | | | | |
| 4.2.3 Counsel trainees on their progress | - | - | - | | | ** | | | | | |
| 4.2.4 Monitor effectiveness of training | - | c | - | | | ** | | | | | |
| 4.3 Maintain training records | - | - | B | | | ** | | | | | |
| 4.4 Evaluate effectiveness of training programs | - | c | - | | | ** | | | | | |
| 4.5 Recommend personnel for training | - | c | - | | | | | | | | |

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| | a 3 LVL | b C D C | c 7 LVL | d EXPORTA- BLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c TRAINEE | d TRAINER | e CERT |
| 5. PUBLICATIONS TR: AFMAN 33-360 V1; AFPD 21-3; TOs 00-5-1, 00-5-2; Technical Orders as required; AFOSH Standards; National Safety Council Publications (NSC); National Electrical Codes; National Fire Protection Association (NFPA) publications & 29 Code of Federal Regulations (CFR) | | | | | | | | | | | |
| 5.1 Publication System | A | - | - | | | | | | | | |
| 5.2 Locate information in standard and technical publications | 2b | - | - | | ** | ** | | | | | |
| 5.2.1 Air Force directives | 2b | - | - | | ** | | | | | | |
| 5.2.2 AFOSH Standard | 2b | - | - | | ** | | | | | | |
| 5.2.3 Technical Orders | 2b | - | - | | ** | | | | | | |
| 5.2.4 AF Equipment Management System | 2b | - | - | | ** | | | | | | |
| 5.3 Locate information in non-Air Force publications | 2b | - | - | | ** | ** | | | | | |
| 5.3.1 OSHA Standards | 2b | - | - | | ** | ** | | | | | |
| 5.3.2 NFPA Standards | 2b | - | - | | ** | ** | | | | | |
| 5.3.3 Consensus Standards | 2b | - | - | | ** | ** | | | | | |
| 6. SAFETY EDUCATION AND TRAINING TR: AFIs 91-202, 91-207, 91-301; AFMAN 36-2236; AETCI 36-2203 & NSC Communications for the Safety Professional | | | | | | | | | | | |
| 6.1 Safety Education | B | - | - | | | | | | | | |
| 6.1.1 Non-Supervisor/Job Safety Training | B | - | - | | | | | | | | |
| 6.1.2 Supervisors Safety Training | A | - | - | | ** | ** | | | | | |
| 6.1.3 Unit Safety Representative Training | A | - | - | | ** | ** | | | | | |
| 6.1.4 Traffic Safety | B | - | - | | ** | ** | | | | | |
| 6.2 Safety Training | B | - | - | | ** | | | | | | |
| 6.2.1 Identify general principles about speaker's fundamentals | B | - | - | | | | | | | | |
| 6.2.2 Identify general principles about the principles of learning | B | - | B | | | | | | | | |
| 6.2.3 Identify general principles about the methods of presentations | B | - | - | | | | | | | | |
| 6.2.4 Identify general principles about using visual aids for presentations | B | - | - | | | | | | | | |
| 6.3 Conduct Safety Presentations | 2b | - | - | | ** | ** | | | | | |
| 6.4 Conduct Specialized Staff Training | - | - | B | | | ** | | | | | |
| 7. THE USAF MISHAP PREVENTION & OCCUPATIONAL SAFETY, FIRE PREVENTION, AND HEALTH (AFOSH) PROGRAM TR: AFPD 90-09, AFIs 10-402, 10-403, 25-201, 32-7500, 33-360 V1, 34-217, 36-2833, 63-124, 64-109, 90-901, 91-202, 91-204, 91-207, 91-301, 91-302, 99-102; T and Q, AFMAN 10-401 V1, 88-3, 91-201, AFPAM 90-902, 91-210, and UFC3-260-01, 91-216; WAR AND MOBILIZATION PLAN (WMP), VOL 1, ANNEX FF, Modern Accident; AFPD 91-2, Investigation and Analysis Federal & Defense Acquisition Regulations (FAR/DAR) as required. | | | | | | | | | | | |
| 7.1 Identify basic facts about program contents | B | B | - | | | | | | | | |
| 7.1.1 Principles and concepts | B | B | - | | | | | | | | |

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| 7.1.2 Program responsibilities | B | B | - | | | | | | | | |
| 7.1.3 Prevention responsibilities | B | B | - | | | | | | | | |
| 7.1.4 Trend Analysis | | | | | | | | | | | |
| 7.1.4.1 Identify basic facts about trend analysis | B | - | - | | | | | | | | |
| 7.1.4.2 Prepare a trend analysis | - | c | 3c | | ** | ** | | | | | |
| 7.2 List the steps for accomplishing an operational risk management (ORM) | a | c | - | | ** | ** | | | | | |
| 7.3 List the steps for accomplishing a job safety and analysis (JSA) | a | c | - | | ** | ** | | | | | |
| 7.4 List the steps for accomplishing an operational hazard analysis (OHA) | a | c | - | | | | | | | | |
| 7.5 Safety Elements | | | | | | | | | | | |
| 7.5.1 Select procedures for establishing Safety Awards, incentives, and recognition Programs | B | - | - | | | | | | | | |
| 7.5.2 Specify when to consult with other agencies | B | b | - | | ** | | | | | | |
| 7.5.3 Select Educational/Promotional Materials | B | b | - | | ** | | | | | | |
| 7.6 Mishap notification, response, and reporting procedure | | | | | ** | ** | | | | | |
| 7.6.1 Specify proper mishap notification, response, and reporting procedure | B | | - | | ** | | | | | | |
| 7.6.2 Interpret mishap notification, response, and reporting procedure | - | c | 3c | | | ** | | | | | |
| 7.7 Support Agreements | | | | | | | | | | | |
| 7.7.1 Identify elements for developing Support agreements | B | - | - | | ** | | | | | | |
| 7.7.2 Develop a Support agreement | | c | 3c | | | ** | | | | | |
| 7.8 Annexes for contingency plans | | | | | | | | | | | |
| 7.8.1 Prepare annexes for contingency plans | - | c | 3c | | | ** | | | | | |
| 7.8.2 Select annexes for contingency plans | B | - | | | ** | | | | | | |
| 7.9 Operations Plan | | | | | | | | | | | |
| 7.9.1 Identify basic facts pertaining to safety criteria inclusion into an Operations Plan | B | - | - | | | | | | | | |
| 7.9.2 Identify why and when safety criteria is included in an Operations Plan | - | c | - | | | | | | | | |
| 7.10 Deployment Plans | | | | | | | | | | | |
| 7.10.1 Identify basic facts pertaining to safety criteria inclusion into a Deployment Plan | B | - | - | | | | | | | | |
| 7.10.2 Identify why and when safety criteria is included in a Deployment Plan | - | c | c | | | | | | | | |
| 7.11 Aircraft Parking Plans | | | | | | | | | | | |
| 7.11.1 Identify basic facts pertaining to safety criteria inclusion into aircraft parking plans | B | - | - | | | | | | | | |
| 7.11.2 Identify why and when safety criteria is included in aircraft parking plans | - | c | 2b | | | | | | | | |
| 7.12 Site Plans | | | | | | | | | | | |
| 7.12.1 Identify relationship and basic facts and state general principles about facility site plans | B | - | - | | | | | | | | |
| 7.12.2 Identify why and when safety criteria is included in facility site plans | - | c | 2b | | | | | | | | |

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| | a 3 LVL | b C D C | c 7 LVL | d EXPORTA- BLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c TRAINEE | d TRAINER | e CERT |
| 7.13 Identify basic facts pertaining to safety criteria inclusion into Test and Evaluations Plan | B | - | - | | | | | | | | |
| 7.14 Identify basic facts pertaining to safety criteria inclusion into Base Comprehensive Plan | B | c | C | | | | | | | | |
| 7.15 Identify basic facts pertaining to safety criteria inclusion into Readiness Training | B | - | - | | | | | | | | |
| 7.16 Drawings, Blue Prints, and Specifications | | | | | | | | | | | |
| 7.16.1 Identify why and when safety criteria is included in Drawings, Blue Prints, and Specifications | B | - | - | | | | | | | | |
| 7.16.2 Interpret Drawings, Blue Prints, and Specifications | - | c | 3c | | | ** | | | | | |
| 7.17 Identify relationship of basic facts and state general principles about safety criteria in products purchases | B | - | - | | | | | | | | |
| 7.17.1 Identify relationship of basic facts and state general principles about publications pertaining to products purchased | B | - | - | | | | | | | | |
| 7.17.2 Identify relationship of basic facts and state general principles about procedures for purchasing products. | B | - | - | | | | | | | | |
| 7.18 Identify relationship and basic facts and state general principles about contract safety | B | | | | | ** | | | | | |
| 7.18.1 Contracting Office & Civil Engineering | B | B | | | | ** | | | | | |
| 7.18.2 Request For Proposal (RFP) | B | - | C | | | | | | | | |
| 7.18.2.1 Service Contracts/SOWs | B | - | C | | | ** | | | | | |
| 7.18.2.2 Construction Contracts | B | B | C | | | ** | | | | | |
| 7.18.2.3 Local Purchase Contracts | B | B | C | | | ** | | | | | |
| 7.18.3 Safety Requirements | B | B | - | | | ** | | | | | |
| 7.18.4 Pre-Award Survey | B | B | - | | | | | | | | |
| 7.18.5 Pre-Construction Conferences | B | - | - | | | ** | | | | | |
| 7.18.6 Pre-Final & Final Inspection | B | B | - | | | | | | | | |
| 7.18.7 Contractor Surveillance | B | B | - | | | | | | | | |
| 7.19 Identify relationship and basic facts and state general principles about hazard abatement | B | B | C | | | ** | | | | | |
| 7.19.1 Hazard Identification Methods | B | B | C | | | ** | | | | | |
| 7.19.2 Hazards | B | B | C | | | ** | | | | | |
| 7.19.3 Risk Assessment Codes (RAC) | B | B | C | | | ** | | | | | |
| 7.19.4 Hazard control methods | B | B | C | | | ** | | | | | |
| 7.19.5 Abatement Priority Number (APN) | B | B | C | | | ** | ** | | | | |
| 7.19.6 Interim control measures | B | B | C | | | ** | | | | | |
| 7.19.7 Hazard Abatement measures | B | B | C | | | ** | ** | | | | |
| 7.19.8 Abatement funding | B | B | C | | | | | | | | |
| 7.20 Safety Councils and Committees | | | | | | | | | | | |
| 7.20.1 Write Agenda | b | - | 3c | | | ** | ** | | | | |
| 7.20.2 Conduct meetings | b | - | 3c | | | ** | ** | | | | |
| 7.20.3 Write minutes | b | - | 3c | | | ** | ** | | | | |

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| | a 3 LVL | b C D C | c 7 LVL | d EXPERTA- BLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c TRAINEE | d TRAINER | e CERT |
| 7.20.4 Follow-up on open items | b | - | 3c | | ** | ** | | | | | |
| 8. SAFETY INSPECTIONS, ASSESSMENTS, AND STAFF ASSISTANCE VISITS TR: AFIs 13-212, 32 series, 34 series, 48 series, 36-2226, 91-202, 91-301, 91-302; AFMAN 24-206, 91-201; TOS 21 series as required 00-25-172, 00-25-223, 32-1, 32-1-101, 34-1-3, 35-1-3, 42C2-1-7, 4T-1-3; AFOSH Standards; EM 385-1-1 Corp of Engineers; 29 CFR 1910/26; DOD 4145.9-R-1; Accident Prevention Manual for Industrial Operations, NSC, Fundamentals of Industrial Hygiene, NSC, current edition; Assurance Systems, Williams Johnson; NFPA; National Electrical Code, current edition; Material Safety Data Sheets as required; DOE/SSDC Guides as required; CPS Handbook for Public Playground Safety | | | | | | | | | | | |
| 8.1 Identify relationship of basic facts and state general principles about the objectives | B | B | - | | | | | | | | |
| 8.2 Identify relationship of basic facts and state general principles about the methodology; preparation & frequency | B | B | - | | | | | | | | |
| 8.2.1 Inspections | B | B | - | | | ** | | | | | |
| 8.2.2 Evaluations | B | B | - | | | | | | | | |
| 8.2.3 Assessments | B | B | - | | | ** | | | | | |
| 8.2.4 Staff Assistance Visits | B | B | - | | | ** | | | | | |
| 8.3 Identify relationship of basic facts and state general principles about general safety criteria: | B | B | - | | | ** | | | | | |
| 8.3.1 Physical Hazards | B | B | - | | | ** | | | | | |
| 8.3.2 Environmental Compliance | B | B | - | | | ** | | | | | |
| 8.3.3 Personal Protective Equipment (PPE) | B | B | - | | | ** | | | | | |
| 8.3.4 Chemical Hazards/Factors | B | B | - | | | ** | | | | | |
| 8.3.5 Hand/Power Tool Hazards/Factors | B | B | - | | | ** | | | | | |
| 8.3.6 Electrical Safety Consideration | B | B | - | | | ** | | | | | |
| 8.3.7 Fire Prevention | B | B | - | | | ** | | | | | |
| 8.3.8 Color Coding | B | B | - | | | ** | | | | | |
| 8.3.9 Machine Guarding Considerations | B | B | - | | | ** | | | | | |
| 8.3.10 Scaffolding and Ladders | B | B | - | | | ** | | | | | |
| 8.3.11 Excavation and Trenching | B | B | - | | | ** | | | | | |
| 8.3.12 Lifting Devices | B | B | - | | | ** | | | | | |
| 8.3.13 Ergonomics | B | B | - | | | ** | | | | | |
| 8.3.14 Materials, Handling: Manual | B | B | - | | | ** | | | | | |
| 8.3.15 Materials Handling: Mechanical | B | B | - | | | ** | | | | | |
| 8.3.16 Fall Protection | B | B | - | | | ** | | | | | |

| 1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES | 2. FORMAL TRAINING | | | | 3. CORE TASKS | | 4. OJT/CERTIFICATION | | | | |
|--|-----------------------|------------------|---------------|--------------------------------|---------------------|---------------|-------------------------|-----------|--------------|--------------|-----------|
| | a 3 LVL | b C D C | c 7 LVL | d EXPORTA- BLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c TRAINEE | d TRAINER | e CERT |
| 8.3.17 Radio Frequency Radiation | B | B | - | | ** | | | | | | |
| 8.3.18 Laser Safety | B | B | - | | ** | | | | | | |
| 8.3.19 Bloodborne Pathogens | B | B | | | ** | | | | | | |
| 8.4 Determine procedures to Inspect Industrial Areas/Facilities | | | | | | | | | | | |
| 8.4.1 Vehicle maintenance /transportation shops | b | c | - | | ** | | | | | | |
| 8.4.2 Aircraft maintenance hangars and shops | b | c | - | | ** | | | | | | |
| 8.4.3 Civil Engineering | b | | - | | | | | | | | |
| 8.4.3.1 Shops | b | c | | | ** | | | | | | |
| 8.4.3.2 Facilities | b | c | | | ** | | | | | | |
| 8.4.3.3 Work Sites | b | c | | | ** | | | | | | |
| 8.4.3.4 Construction Sites | b | c | | | ** | | | | | | |
| 8.4.4 Confined spaces | b | c | 3c | | ** | ** | | | | | |
| 8.4.5 Warehousing Facilities | b | c | - | | ** | | | | | | |
| 8.4.6 Chemical/hazardous material storage area | b | c | c | | ** | ** | | | | | |
| 8.4.7 Communications/electronics facilities | b | c | - | | ** | | | | | | |
| 8.4.8 Lock-out/Tag-out procedures | b | c | 3c | | ** | ** | | | | | |
| 8.4.9 POL areas/facilities | b | c | - | | ** | | | | | | |
| 8.4.10 Medical facilities | b | c | - | | ** | | | | | | |
| 8.4.11 Dining facilities/open messes | b | c | - | | ** | | | | | | |
| 8.4.12 Commissary | - | c | - | | ** | | | | | | |
| 8.4.13 Recreational facilities/areas | b | c | - | | ** | | | | | | |
| 8.4.14 Missile maintenance/launch/support facilities & equipment | b | c | - | | | | | | | | |
| 8.4.15 Munitions storage/maintenance & handling | b | c | - | | ** | | | | | | |
| 8.4.16 Ranges | b | c | - | | ** | | | | | | |
| 8.4.16.1 Combat Arms | b | c | - | | ** | | | | | | |
| 8.4.16.2 Weapons | b | c | - | | ** | | | | | | |
| 8.4.17 Armories | b | c | - | | ** | | | | | | |
| 8.4.18 Aero Club operations | b | - | - | | | | | | | | |
| 8.5 Inspect non-industrial areas/facilities | b | - | - | | | | | | | | |
| 8.5.1 Administrative | b | | | | ** | | | | | | |
| 8.5.2 Family day care homes/ child development center | b | | | | ** | | | | | | |
| 8.5.3 Billeting | b | | | | ** | | | | | | |
| 8.5.4 Membership clubs | b | | | | ** | | | | | | |
| 8.5.5 Public Assembly Area | b | | | | ** | | | | | | |
| 8.5.6 Playgrounds | b | | | | ** | | | | | | |
| 8.6 Prepare/Perform | b | c | - | | | | | | | | |
| 8.6.1 Checklist | 2b | c | - | | ** | | | | | | |
| 8.6.2 Inspection | 2b | c | - | | ** | | | | | | |
| 8.6.3 Report | 2b | c | - | | ** | | | | | | |

| 1. TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES | 2. FORMAL TRAINING | | | | 3. CORE TASKS | | 4. OJT/CERTIFICATION | | | | |
|--|-----------------------|------------------|---------------|--------------------------------|---------------------|---------------|-------------------------|-----------|---|--------------|-----------|
| | a 3 LVL | b C D C | c 7 LVL | d EXPORTA- BLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c | d TRAINER | e CERT |
| 8.6.4 Post report activities | b | c | - | | ** | | | | | | |
| 9. IDENTIFY TRAFFIC SAFETY PROGRAMS TR: AFIs 91-204, 91-207, 91-301; TO 36A-1-6; AFOSH STD 91-46; Motorcycle Safety foundation (MSF) publications as required; Motor Fleet Manual, CFR 29, 49, NSC; Manual on Uniform Traffic Control Devices as required (ANSI D6.1-1978) | B | B | - | | | | | | | | |
| 9.1 Vehicle safety program (on/off duty) | B | B | - | | | | | | | | |
| 9.1.1 On-road | B | B | - | | | | | | | | |
| 9.1.2 Off-road | B | B | - | | | | | | | | |
| 9.1.3 Industrial | B | B | - | | | | | | | | |
| 9.2 Vehicle restraint device awareness programs | B | B | - | | | | | | | | |
| 9.3 Traffic Engineering Surveys and Studies | B | B | - | | | | | | | | |
| 10. INSPECT AIRCRAFT OPERATIONS AND MAINTENANCE TR: AFIs 11-218, AFI 21 series as required, AFI 24 series as required, AFI 32 series as required, 91-202, 91-204, 91-207; AFM 88 series as required, AFMAN 24-204, 91-201, Vol II; TO 1-1-3; TO 11A01033; TO 4T-1-3; TO 00-25-172; TO 36M-1-141; TOs of aircraft as required; AFOSH Standards; National Electrical Code; NFOA Applicable -0 TOs | | | | | | | | | | | |
| 10.1 Determine procedures for Aircraft Movement | b | c | - | | | | | | | | |
| 10.1.1 Towing | b | c | - | | ** | | | | | | |
| 10.1.2 Marshaling | b | c | - | | ** | | | | | | |
| 10.1.3 Taxing | b | c | - | | ** | | | | | | |
| 10.1.4 Launching and Recovering | b | c | - | | ** | | | | | | |
| 10.2 Hot Pit Refuel POL areas/facilities | b | c | - | | ** | | | | | | |
| 10.3 Vehicle Operations | b | c | - | | ** | | | | | | |
| 10.4 Determine procedures for Aircraft Maintenance Safety | b | c | - | | ** | | | | | | |
| 10.4.1 Aircraft ground handling | b | c | - | | ** | | | | | | |
| 10.4.2 Aircraft ground servicing | b | c | - | | ** | | | | | | |
| 10.4.3 Aircraft maintenance | b | c | - | | ** | | | | | | |
| 10.4.4 Aircraft tire servicing | b | c | - | | ** | | | | | | |
| 10.4.5 Ground engine runs | b | c | - | | ** | | | | | | |
| 10.4.6 Munitions loading and unloading | b | c | - | | ** | | | | | | |
| 10.5 Determine procedures for Airfield support | b | | - | | ** | | | | | | |
| 10.5.1 Air cargo operations | b | | - | | ** | | | | | | |
| 10.5.2 Passenger operations | b | | - | | ** | | | | | | |
| 10.5.3 Airfield Criteria | b | | - | | ** | | | | | | |
| 10.6 Life support | b | | - | | ** | | | | | | |

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|---|-----------------------|------------------|---------------|--------------------------------|---------------------|---------------|-------------------------|-----------|--------------|--------------|-----------|
| | a 3 LVL | b C D C | c 7 LVL | d EXPORTA- BLE COURSE | a 5 LVL | b 7 LVL | a START | b COMP | c TRAINEE | d TRAINER | e CERT |
| 11. ASSESS SAFETY FUNCTIONS TR: AFI 91-202; AFMAN 91-201; AFPAM 91-211; TO's 00-25-172, 11A- 1-33, 11A-1-46, Applicable Aircraft -33 TO's | A | B | | | | | | | | | |
| 11.1 Weapons Safety | A | B | 2b | | ** | ** | | | | | |
| 11.1.1 Responsibilities | A | B | 2b | | ** | ** | | | | | |
| 11.1.2 Missile Systems | A | B | 2b | | ** | ** | | | | | |
| 11.1.3 Munitions | A | B | 2b | | ** | ** | | | | | |
| 11.1.4 Waiver | A | B | 2b | | ** | ** | | | | | |
| 11.1.5 Deviations | A | B | 2b | | ** | ** | | | | | |
| 11.1.6 Exemptions | A | B | 2b | | ** | ** | | | | | |
| 11.1.7 Licenses | A | B | 2b | | ** | ** | | | | | |
| 11.1.8 Concurrent Servicing | A | B | 2b | | ** | ** | | | | | |
| 11.1.9 Explosive Site Plans | A | B | 2b | | ** | ** | | | | | |
| 11.2 Flight Safety Responsibilities | A | B | C | | ** | ** | | | | | |
| 12. INVESTIGATE AND REPORT MISHAPS TR: AFIs 31 series as required, 91-202, 91-204, 91-301; AFPAM 91-211; TOs 00-5-1, 00-110N-16, 00-35D-54; OSHA Pub 2014; DOL Record keeping Guidelines for Occupational Injuries and Illnesses & MINA Handbook | | | | | | | | | | | |
| 12.1 Responsibilities | B | B | - | | | | | | | | |
| 12.1.1 Control and release of mishap data | B | B | - | | ** | | | | | | |
| 12.1.2 Investigating officer and NCO | B | B | - | | ** | | | | | | |
| 12.1.3 Accountable organization | B | B | - | | ** | | | | | | |
| 12.2 Mishap Definitions and Classification | B | B | - | | ** | | | | | | |
| 12.3 Identify general principles of Investigative Methods | B | B | - | | ** | | | | | | |
| 12.3.1 Pre-Investigation | c | | - | | | | | | | | |
| 12.3.1.1 Prepare for investigation | c | | - | | ** | | | | | | |
| 12.3.1.2 Gather information | c | B | - | | ** | | | | | | |
| 12.3.2 Demonstrate investigative techniques | 3c | c | | | ** | | | | | | |
| 12.3.3 Review information | 2b | b | 3c | | ** | | | | | | |
| 12.3.3.1 Write Narrative | 2b | b | 3c | | ** | ** | | | | | |
| 12.3.3.2 Identify findings & causes | 2b | b | 3c | | ** | ** | | | | | |
| 12.3.3.3 Cause Analysis | 2b | b | 3c | | ** | ** | | | | | |
| 12.3.3.4 Identify recommendations | 2b | b | 3c | | ** | ** | | | | | |
| 12.3.3.5 Identify corrective actions | 2b | b | 3c | | ** | ** | | | | | |
| 12.3.3.6 Review Report | 2b | b | 3c | | ** | ** | | | | | |
| 12.4 Assemble formal reports | 3c | - | 3c | | ** | ** | | | | | |
| 12.5 Post-Report Activities | B | B | - | | ** | | | | | | |
| 12.6 Identify general principles of the USAF deficiency reporting systems | B | - | - | | | | | | | | |

Section B – Course Objective List. This area is reserved.

Section C – Support Material. NOTE: Currently, no support material requirements exist. This area is reserved.

Section D – Training Courses Index

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

8. Air Force In-Residence Course.

| COURSE NUMBER | TITLE | LOCATION | USER |
|----------------------|---------------------------|-----------------|-------------|
| L3ALR1S031 002 | Safety Apprentice | Lackland AFB TX | ALL |
| L3ACR1S071 000 | Safety Craftsman | Lackland AFB TX | ALL |
| L3AZR1S071 005 | Flight Safety NCO | Lackland AFB TX | ALL |
| L3AZR2W071 001 | Weapons Safety Management | Lackland AFB TX | ALL |
| L3AZR2W071 003 | Weapons Nuclear Surety | Lackland AFB TX | ALL |

9. Air Force Institute for Advanced Distributed Learning.

| COURSE NUMBER | TITLE | LOCATION | USER |
|----------------------|-------------------|-----------------|-------------|
| CDC 1S051 | Safety Journeyman | Lackland AFB TX | ALL |

10. Exportable Courses.

| COURSE NUMBER | TITLE | LOCATION | USER |
|----------------------|---------------------------------|-----------------|-------------|
| | Weapons Safety NCO CBT | Kirtland AFB NM | ALL |
| | Operational Risk Management CBT | Kirtland AFB NM | ALL |
| | Confined Space CBT | Tyndall AFB FL | ALL |

11. Course Under Development/Revision.

| COURSE NUMBER | TITLE | LOCATION | USER |
|----------------------|-------------------|-----------------|-------------|
| L3ALR1S031 002 | Safety Apprentice | Lackland AFB TX | ALL |
| L3ACR1S071 000 | Safety Craftsman | Lackland AFB TX | ALL |
| CDC 1S051 | Safety Journeyman | Lackland AFB TX | ALL |

Section E – MAJCOM Unique Requirements

| COURSE NUMBER | TITLE | LOCATION | USER |
|----------------------|----------------------------------|-----------------|-------------|
| Y130005 | ACC Ground Safety Program Mgmt | Dyess AFB TX | ACC |
| YPMEC ESA | Explosive Safety Advanced Course | McGhee Tyson TN | ANG |
| YPMEC ESO | Explosive Safety Orientation | McGhee Tyson TN | ANG |
| YPMEC GSO | Ground Safety Orientation | McGhee Tyson TN | ANG |

Section F – Continuing Professional Development

| COURSE TITLE/NUMBER | LOCATION | Suggested Source |
|--|-----------------|--|
| Fundamentals of Ergonomics | MTT | AFSC |
| Operational Risk Management | Various | AFSC |
| Mishap Investigation Non-Aviation (MINA) | | AFSC |
| 226 – Permit-Required Confined Space Entry | | OTI |
| 309 – Electrical Standards | | OTI |
| 121 – Introduction to Industrial Hygiene for Safety Personnel | | OTI |
| 201 – Hazardous Materials | | OTI |
| 601 – Occupational Safety & Health Course for Other Federal Agencies | | OTI |
| 101 – NFPA Life Safety Code | | NFPA |
| 200 – Construction Standards | | OTI |
| Playground Safety Course | | National Playground Safety Institute |
| Machine/Machinery Guarding | | OTI |
| Deployment Safety | | AFPAM 91-216 |
| Control of Hazardous Energy | | OTI |
| Fall Protection | | OTI |
| Blueprint Reading | | Micro-press.com |
| Vehicle Accident Investigation | | AETC |
| Lightning Safety | | National Lightning Safety Institute |
| Fire/Arson Investigation | | |
| Small Arms Training Ranges | | Army Safety Center |
| 501 – General Industry Standards | | |
| OSHA CFR 1903 – Inspections, Citations, Etc. | | OTI & Environmental Training Resources |
| Laboratory Safety | | OTI |
| Hazard Communication | | OTI |
| Walking and Working Surfaces | | Safety Consulting & Training |
| Material Handling | | OTI |
| Welding | | Digital 2000 |
| Record keeping | | OTI |
| Personal Protective Equipment | | Coastal Training |
| Lock Out/Tag Out | | Coastal Training |
| Portable Tools | | |
| Office Safety | | |
| Environmental Safety Courses | | AFIT |

Section G – Career Development Plan

| Phase | Skill Level | Desired Education & Self-Development | Mandatory/Desired Training | Typical Assignment |
|------------|-------------|--|---|--|
| CFM | 00-level | -- Graduate Degree | -- Executive Seminars | HQ USAF |
| CEM | 00-level | -- Graduate Degree | -- Executive Seminars | MAJCOM/FOA/DRU |
| Super- | 9-level | -- Bachelors Degree -- Continued education in advanced studies -- Appropriate PME | -- Professional certification(s) | Assigned as manager at AFSC, MAJCOM, or other headquarters, or large bases |
| Craftsman | 7-level | -- Associates Degree -- Continuing education in related studies -- Appropriate PME | -- *7-level resident training -- Specific technical safety in flight, ground, or weapons safety disciplines -- Environmental Compliance Assessment & Mgmt Program -- OSHA Training Institute Courses -- Mishap Investigation Non-Aviation Course (MINA) | -- Assignment at all levels as manager or craftsman -- Full performance as a manager of a safety function (flight, ground or weapons) |
| Journeyman | 5-level | -- Continuation training -- Appropriate PME -- College courses/Associate Degree | -- *Career Development Course (CDC) 1S051 -- * OJT and Qualification Training -- Discipline specific technical courses such as: OSHA Training Institute Courses | -- Assigned at base level safety offices -- Performs at the fully qualified Journeyman level -- Begin management training -- Lateral training in other functional disciplines |
| Apprentice | 3-level | Continuation training (Some college courses) | -- *Apprentice Safety (L3ALR1S031) -- *On-the-Job Training and job assignment to meet Specialty Training Standard skill levels | Base level |

* = Mandatory