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Parts I-II
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AFSC 1A2X1 AIRCRAFT LOADMASTER



CAREER FIELD EDUCATION AND TRAINING PLAN (CFETP)

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Table of Contents

PART I.....4
 Preface.....4
 ABBREVIATIONS/TERMS EXPLAINED5
 Section A - General Information.....9
 1. Purpose.....9
 2. Uses.....9
 3. Coordination and Approval.....9
 Section B - Career Progression and Information.....10
 4. Specialty Description10
 5. Skill/Career Progression.....10
 6. Training Decisions.11
 7. Community College of the Air Force (CCAF) Academic Programs.11
 8. Assignments13
 9. Career Field Flow Charts.14
 Section C - Skill Level Training Requirements.....16
 10. Purpose.16
 Section D - Resource Constraints.....18
 11. Purpose.18
PART II.....19
 Section A - Specialty Training Standard (STS).....19
 1. Implementation.19
 2. Purpose.....19
 3. Recommendations.19
 Section B - Course Objective List.....19
 4. Measurement.19
 5. Standard.19
 6. Proficiency Level.19
 7. Advanced Skills Course.19
 Section C - Support Material.....19
 8. Support Materials.....19
 Section D - Training Course Index.....20
 9. Purpose.....20
 Section E - MAJCOM Unique Requirements22
 Section F - MAJCOM Unique Resource Requirements.....22
Attachment 123
Qualitative Requirements23
Attachment 224
Tasks, Knowledge, and Technical References.....24
Attachment 326
Loadmaster Career Path Chart.....26

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List of Tables

Table 1 Degree Requirements	122
Table 2 Technical Core (12-24 Semester Hours)	122
Table 3 Technical Electives (0-12 Semester Hours)	122
Table 4 General Education Requirements	133
Table 5 1A2X1 Enlisted Education and Training Path	155
Table 6 Air Force In-Residence Course	200
Table 7 Air Mobility Command Advanced Distributed Learning Service (ADLS) Courses	200
Table 8 Advanced Training	211
Table 9 Other Courses in the Field	211

**CAREER FIELD EDUCATION AND TRAINING PLAN
AIRCRAFT LOADMASTER
AFSC 1A2X1**

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 instill rigor in all aspects of career field training.
2. The CFETP consists of two parts; both of which are used by management 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 progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and other); Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities.

Note: The *Air Force Enlisted Classification Directory* (AFECD) and AFI 36-2101 *Classifying Military Personnel (Officer and Enlisted)* contain the specialty 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 satisfy training requirements. Section C identifies available training support materials. Section D identifies a training course index that is used to determine resources available to support training. Included here are both mandatory and optional courses. Sections E and F identify MAJCOM unique training requirements.
 - 2.3. Attachment 3 to the electronic version of the CFETP is a career path chart. This chart provides a visual depiction of the Loadmaster AFSC, Critical Skill Incentive Pay (CSIP) gates and years of aviation service, and key information to education, training and qualification. It also contains promotion information specific to the Loadmaster AFSC, such as average time in grade, time in service, as well as Air Force averages. This chart provides a timeline for achieving additional qualifications such as instructor, evaluator, Flying Training Unit (FTU) assignment, and leadership opportunities within the Squadron, Group, Wing and MAJCOM and HQ/USAF.
3. This CFETP is designed to ensure individuals in AFSC 1A2X1 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

NOTE: These terms have been standardized through all Career Enlisted Aviator CFETPs. Not all terms may appear in this volume.

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 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.

Air Force Specialty Code (AFSC)

Air Reserve Component (ARC). Air National Guard and Air Force Reserve units.

Aircrew Fundamentals Course (AFC). A course designed to prepare enlisted personnel for their transition to a career in aviation. Knowledge presented in the course includes physiological, survival, aircrew mission, anti-hijacking and anti-terrorism, aircrew coordination, aircrew training, basic aerodynamics, aircraft publications, safety, and flight medicine. This course screens for the ability to handle the rigor of aircrew duties prior to candidates entering expensive follow-on training resources.

Aircrew Training System (ATS). A system wherein a civilian contractor provides academic, simulator, and other designated aircrew training. ATS courses are listed in the applicable AFI 11-2 MDS-Specific, Volume 1 or the ETCA website (<https://cs2.eis.af.mil/sites/app10-etca/SitePages/home.aspx#Home>).

Airman Leadership School (ALS)

Basic Aircraft Qualification (BAQ). An aircrew member who has satisfactorily completed training prescribed to maintain the skills necessary to perform aircrew duties in the unit aircraft.

Basic Flight Engineer Course (BFE)

Basic Loadmaster Course (BLM)

Basic Military Training (BMT)

Basic Mission Capable (BMC). An aircrew member who has satisfactorily completed mission qualification training, is qualified in some aspect of the unit mission, but does not maintain MR/CMR status.

Basic Qualification (BQ). A status of a crewmember who has satisfactorily completed the basic training prescribed to maintain the skills necessary to operate the unit aircraft. The member must perform at the minimum frequency necessary to meet the most recent sortie and flight standards set for that weapons system.

Basic Qualified Flight Attendant (FA). FA who has completed an initial evaluation, but is not yet fully mission qualified as a FA.

Basic Qualified Flight Engineer (FE). FE who has completed an initial evaluation, but is not yet fully mission qualified as an FE.

Basic Sensor Operator Course (BSOC)

Career Enlisted Aviator (CEA). An aircrew member in any of the 1AXXX or 1UXXX career fields.

Career Enlisted Aviator Center of Excellence (CEA CoE). The USAF CEA Undergraduate Training Center located at Joint Base San Antonio-Lackland, TX. Provides undergraduate, initial skills training through award of the 3-skill level.

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). An aircrew member who has satisfactorily completed mission qualification training and maintains qualification and proficiency in the command or unit combat mission.

Community College of the Air Force (CCAF)

Continuation Training (CT). The continuation training program provides crew members with the volume, frequency, and mix of training necessary to maintain proficiency in the assigned qualification level.

Core Task (CT). A task AFCFMs identify as a minimum qualification requirement within an Air Force specialty or duty position. Core Tasks for the AFS can be either task or knowledge based and are the STS line items fundamental to meeting these core competencies. Each MAJCOM is responsible for developing the minimum standard to which each core task will be trained. Core skills (or knowledge) must be trained, maintained, and certified, regardless of duty position/location and are based upon skill level.

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

Crew Resource Management (CRM). The effective use of all available resources—people, weapon systems, facilities and equipment, and environment by individuals or crews to safely and efficiently accomplish an assigned mission or task. The term “CRM” will be used to refer to the training program, objectives, and key skills directed to this end.

Critical Skill Incentive Pay (CSIP)

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

Evaluator [Crew Position] (EXX). An instructor qualified in that crew position selected from the most highly qualified and experienced instructors and designated in writing by the OG/CC or SQ/CC to administer evaluations to others in that crew position.

Executive Aircrew Training Center (EATC). Formal training center for pilots, flight engineers, communication systems operators and flight attendants that provides flight training in assigned weapon systems.

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

Facilitated Distance Learning (FDL)

Federal Aviation Administration (FAA). Federal agency designed to monitor, approve, and qualify all aspects of the aircraft industry.

Field Evaluation Questionnaire (FEQ). An extensive survey based on the CFETP to determine how well the formal training met the apprentice levels outlined in the CFETP. This survey is sent approximately six months after graduation to the Base Education and Training Manager, if unclassified, or direct to the unit training manager, if classified.

Field Technical Training. Special or regular on-site training conducted by a field training detachment (FTD), Formal Training Unit (FTU) or by a mobile training team (MTT).

First Flight Attendant (FFA). FA assigned to supervise a multiple FA crew. Directly responsible for customer safety and satisfaction. Maintains mission or higher qualification, or a student under direct supervision of an instructor FA.

First Flight Engineer. An engineer fully qualified to perform flight engineer duties.

Flight Attendant (FA). An aircrew member qualified in flight attendant duties.

Formal/ Flying Training Unit (FTU). Name given to an AETC, Air Combat Command (ACC), or Air Mobility Command (AMC) school conducting formal/flight training.

Full Motion Video (FMV). Motion pictures are run at 30 fps, which is the minimum frequency required to eliminate the perception of moving frames and make the images appear visually fluid to the eye. FMV is delivered to provide moving video images to airborne and ground based platforms.

Functional Manager. Individual appointed by MAJCOMs to manage education, training, and resources for an Air Force Specialty (MAJCOM Functional Manager or MFM).

Graduate Assessment Survey (GAS). Survey conducted in accordance with AFI 36-2201. Used by recent graduates to evaluate the quality of formal training received and its applicability to their job. The data is used to determine the effectiveness of, and need for changes in training.

Initial Qualification Training (IQT). Training needed to qualify aircrew for basic aircrew duties in an assigned crew position for a specific aircraft, without regard for the unit's operational mission.

Initial Skills Training. A formal school course that results in the award of a 3-skill level AFSC.

Input/Feeder AFSC. A list of AF specialties designated as approved pre-requisites for entry into subsequent AFSC.

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

Instructor [Crew Position] (LXX). A crew member authorized to instruct on those missions for which qualified.

Launch & Recovery Qualification Training (LRQT)

Lead Command. A MAJCOM responsible for an assigned weapons system. Lead Commands establish advocacy for designated weapon systems during their life cycle and clarify responsibilities for all using and supporting organizations. They provide primary input into the purpose of developing and maintaining a force structure with a balance of complementary capabilities.

MAJCOM Functional Manager (MFM). Primary focal point and liaison between the MAJCOM and HQ USAF on all matters relating to the aircrew career fields and aviation resource management within the command. This includes, but is not limited to, responsibility for the aircrew training programs, coordination on aircrew resource allocations, and managing education, training, and resources for a specific career field(s) for that MAJCOM.

Major Weapons Systems (MWS). Several like Mission Design Series (MDS) comprise a Major Weapons System (MWS) category (e.g., the bomber MWS is comprised of the B-1, B-2, and B-52 MDSs).

Mission Capable (MC). Status of an aircrew member who has satisfactorily completed mission qualification training but who does not maintain mission ready status.

Mission Design Series (MDS). A term used to identify a specific aircraft designation (e.g. C-32A, VC-25A).

Mission Qualification Training (MQT). Training needed to qualify a crewmember in an assigned crew position for a specific aircraft to perform the command or unit mission.

Mission Ready (MR). An aircrew member who has satisfactorily completed mission qualification training and maintains qualification and proficiency in the command or unit operational mission.

Non-commissioned Officer Academy (NCOA)

Non-commissioned Officer Distance Learning Course (NCO DLC)

On-the-Job Training (OJT). A delivery method used to certify personnel in job qualification (duty position certification) training. It is hands-on, over-the-shoulder training conducted at the duty location.

Operational Flying Duty Accumulation (OFDA). Aggregate months of flying duty performed under competent orders while serving in assignments in which flying skills are maintained in the performance of assigned duties

Practicum. A means of receiving college credits through Community College of the Air Force (CCAF) Teaching Technology Associates Degree Program for formal schoolhouse instructors. It covers a wide variety of subjects beyond initial instructor qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an aircrew member in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do a job.

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

Retraining. An Air Force objective to balance the career force of each AFSC as needed. The retraining program allows individual Airmen a choice of career fields from which to pursue an Air Force career and provides a method to return Airmen disqualified from their current AFSC to a productive status.

Second Flight Engineer. An engineer qualified to perform limited engineer duties (not to be considered mission qualified).

Senior Enlisted Joint Professional Military Education (SEJPME)

Senior Non-commissioned Officer Academy (SNCOA)

Senior Non-commissioned Officer Distance Learning Course (SNCO DLC)

Sensor Operator Advanced Instructor Course (SOAIC). A formal instructor course to provide advanced academic, simulator, and flight training with a focus on building and developing tactical, technical, and instructional expertise. The overall vision is to enhance enlisted aircrew leadership, develop instructional methodology, technical expertise, and continuity within the RPA sensor operator community.

Specialty Training Standard (STS). An AF publication that describes an AFSC in terms of tasks and knowledge an Airman in that specialty may be expected to perform or to know on the job. It further serves as a contract between AETC and the functional user to show which of the overall training requirements for an AFSC are taught in formal schools and correspondence courses.

Squadron Operations Cell (SOC). An entity composed of intelligence and operational support personnel that focuses on dynamic mission planning and ongoing mission support. Composition may vary, but a typical SOC will include a mission commander or operations supervisor, intelligence personnel, and possibly one or more weather specialists.

Standard. An exact value, a physical entity, or abstract concept, that 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.

Subject Matter Expert (SME). An individual qualified in a particular specialty and who is consulted with for his or her subject matter expertise or knowledge of the specialty.

Survival, Evasion, Resistance, and Escape Training (SERE)

Syllabus. Published outline of training required to achieve the proficiency specified in the course training standards for a specific course. It prescribes the course content, instructions to conduct the training, and the approximate time necessary to successfully complete all requirements. A formal syllabus may be published to include IQT, MQT, CT, and other aircrew training as determined by the training command, MAJCOM, or unit. (Formal and standardized syllabus are used primarily in AETC formal or developed courses.)

Total Force. All collective Air Force components (Active Duty, Reserve, Guard, and civilian elements) of the United States Air Force.

Unit Type Code (UTC). A UTC is a potential unit of capability focused on accomplishment of a specific Air Force mission. It can consist of manpower (MFE) only, equipment (LOGDET) only, or both.

Unqualified [Crew Position] (UXX). Student in upgrade training for a particular crew position's duties must be supervised by an instructor.

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

Utilization and Training Workshop (U&TW). A forum consisting of the AFCFM, MAJCOM Functional Managers (MFMs), Subject Matter Experts (SMEs), and AETC training personnel who determine career field training requirements.

Weapons System Training Package (WSTP). An instructional course which includes IQT, MQT, and CT designed for use at the unit to qualify or aid qualification in a duty position, program, or on a piece of equipment. The WSTP may be printed, computer based, flying, simulator, or other audiovisual material.

Years of Aviation Service (YAS)

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 three areas: initial skills, 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. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. 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.
- 1.2. Identifies task and knowledge training requirements and recommends education and training for each skill level and phase of an individual's career in this AFS.
- 1.3. Lists training courses available in the specialty, identifies sources of training, and the training medium.
- 1.4. Identifies major resource constraints that impact full implementation of the desired career field training program.

2. Uses.

The CFETP will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available and/or instituted for each individual in the specialty.

- 2.1. AETC training personnel will develop and 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.
- 2.4. Personnel in AFSCs 1AXXX or 1U0X1 are exempt from maintaining OJT Training Folders (AF Form 623). All training is certified via AF Form 8, *Certificate of Aircrew Qualification*, by trained flight examiners. Certification on the AF Form 8 eliminates the requirement to document STS items in this CFETP. EXCEPTION: Some 1A2XX members assigned to Aerial Delivery Flights may require OJT folders to track events specific to that particular job.

3. Coordination and Approval.

The AFCFM is the approval authority. MAJCOM functional managers and AETC training managers will identify and coordinate on the career field training requirements. The AFCFM will initiate an annual review of this document and coordinate with AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training. Send applicable inputs/changes to this CFETP through MAJCOM functional managers to HQ USAF/A3TF, 1480 Air Force Pentagon, Washington D.C. 20330-1480 or the following organizational email address: usaf.pentagon.af-a3.mbx.actf-workflow@mail.mil.

Section B - Career Progression and Information

4. Specialty Description

4.1. Specialty Summary. Accomplishes preflight and post-flight of aircraft and aircraft systems. Receives cargo/passenger load briefings, checks placement of cargo/passengers against aircraft limitations/restrictions, determines adequacy of cargo documentation. If required, services aircraft (i.e. fuel, water, and hydraulics) and creates load plans for cargo and passengers. Supervises cargo/passenger loading and offloading activities. Determines cargo placement and restraint requirements and directs and checks the placement of restraint equipment. Computes aircraft weight and balance. Demonstrates use of aircrew flight equipment. Accomplishes passenger comfort activities during flight. Performs aircrew functions and other mission specific qualification duties to include the airdrop of personnel and equipment/cargo. Related DoD Occupational Subgroup: 105000

4.2. Duties and Responsibilities.

4.2.1. Receives cargo/passenger load briefing and reviews load plan and cargo documentation. Accomplishes load planning of cargo/passenger loads if required. Reviews aircraft forms for condition of aircraft. Accomplishes preflight inspection of aerospace ground equipment and applies external power to the aircraft. Operates aircraft radio systems. Accomplishes pre-flight inspection of the aircraft and cargo/airdrop systems according to flight manual procedures.

4.2.2. Supervises cargo/passenger on/off loading operations. Directs the placement of material handling equipment to accomplish cargo on/off loading operations. Operates the aircraft winch to on/off load cargo. Ensures cargo/passengers are placed according to load plans. Determines cargo restraint requirements according to criteria and directs and checks the application of cargo restraint equipment. Checks cargo/passenger loads against manifests.

4.2.3. Ensures availability of fleet service equipment and passenger comfort items. Receives/signs receipts for and stows in-flight meals. Accomplishes passenger briefings to include the use of emergency equipment, evacuation procedures, and border clearance requirements. Demonstrates the use of passenger emergency oxygen systems and life vests. Computes and completes aircraft weight and balance documentation either manually or electronically.

4.2.4. Accomplishes in-flight checks IAW flight manual procedures. Monitors cargo and provides for passenger comfort. Prepares and dispenses passenger meals, snacks and refreshments. Completes required aircraft forms documentation and border clearance requirements.

4.2.5. Airdrop qualified Loadmasters only: Conducts cargo and personnel airdrops according to directives. Attaches extraction parachutes to cargo and platforms. Inspects cargo and platforms, extraction systems and connects static lines. Checks tie-downs, parachutes, containers, suspension systems, and extraction systems to ensure proper cargo extraction or release. Operates aircraft airdrop systems and supervises heavy equipment, CDS-type cargo, and paratroopers exiting the aircraft.

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 1A2XX career field flow charts identify the training career path. They define the training required in an individual's career.

5.1. Apprentice (3) Level. Meeting requirements listed in AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)*, specialty description, completion of the Aircrew Fundamentals Course at Joint Base San Antonio-Lackland, TX. Initial skills training in this specialty consists of the tasks and knowledge training provided in the 3-skill level resident course (1A231). Tasks and knowledge training requirements are identified in the specialty training standard, at Part II, Section A. Individuals must complete the initial skills course to be awarded AFSC 1A231.

5.2. Journeyman (5) Level. To be awarded AFSC 1A251, the trainee must complete requirements as listed in the applicable MAJCOM aircrew training directives, initial and mission qualification training, and a successful AF Form 8.

5.3. **Craftsman (7) Level.** To be awarded AFSC 1A271, the trainee must be a SSgt, complete all 3- and 5-skill level training requirements and meet all requirements as listed in the applicable MAJCOM aircrew training directives. Additionally, complete any other requirements specified in the *Air Force Enlisted Classification Directory* (AFECD) and AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)*.

5.4. **Superintendent (9) Level.** To be awarded AFSC 1A291, an individual must be a SMSgt and have his or her supervisor's recommendation. Additionally, complete any other requirements specified in the *Air Force Enlisted Classification Directory* (AFECD) and AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)*.

5.5. **Chief Enlisted Manager (CEM).** CEM code is awarded when selected for promotion to Chief Master Sergeant.

6. Training Decisions.

The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aircraft Loadmaster specialty. 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.** Initial physiological training will be conducted at the Aircrew Fundamentals Course. Significant changes were made in initial skills training. A Course Training Standard (CTS) was created to align common core training amongst all 1A/1U AFSCs into the Aircrew Fundamentals Course. The initial skills training will be revised to provide training needed to prepare graduates for Aircraft Loadmaster related positions.

6.2. **Five Level Upgrade Training.** Completion of initial and mission qualification training and a successful AF Form 8.

6.3. **Seven Level Upgrade Training.** Must complete all 3- and 5-skill level training requirements. No formal 7-level upgrade training exists. The CSAF has approved a variance, eliminating the requirement for in-residence 7-level training for all 1AXXX/1U0XX (Aircrew Operations Career Field) personnel.

7. Community College of the Air Force (CCAF) Academic Programs.

CCAF provides the opportunity to obtain an Associate in Applied Sciences (AAS) Degree. Enrollment in CCAF occurs upon completion of basic military training. Off-duty education is a personal choice but is highly encouraged. See the CCAF web site for program details regarding the AAS degree at: <http://www.au.af.mil/au/barnes/ccaf/>.

Additionally, see the Air Force Virtual Education Center website regarding AAS degree progress at: <https://afvec.langlely.af.mil/afvec/Home.aspx>. In addition to its associate degree program, CCAF offers the following:

7.1. **Occupational Instructor Certification.** The CCAF offers the Occupational Instructor Certification to instructors teaching full time in a CCAF affiliated school. To qualify, instructors must complete an instructor course, a Teaching Practicum, have two years teaching experience, hold an associate or higher degree, and be recommended by their commander/commandant.

7.2. **Instructor of Technology & Military Science Degree.** This program is offered to enlisted members who are assigned to CCAF affiliated schools teaching CCAF degree-applicable courses. Applicants must complete three semester hours of CCAF-approved instructor methodology coursework and hold their career-field related CCAF degree or equivalent civilian college degree before registration.

7.3. **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.

7.4. **Degree Requirements.** All Airmen are automatically entered into the CCAF program. The current associate's degree program available from the CCAF for AFSC 1A2XX is the Aviation Operations (4VCB) degree. Prior to completing an associate degree, the 5-skill level must be awarded and the following requirements in Table 1 must be met.

Table 1 Degree Requirements

Subject Area	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Totals	64

7.4.1. **Technical Education (24 Semester Hours):** Twenty-four semester hours are required to fulfill the technical education requirement. A minimum of 12 semester hours of technical core subjects or courses must be applied and the remaining semester hours applied from technical core or technical elective subjects or courses. Requests to substitute comparable courses or to exceed specified semester hour values in any subject or course must be approved in advance by the Technical Branch at CCAF.

Table 2 Technical Core (12-24 Semester Hours)

Subjects/Courses	Max Semester Hours
Aerospace Control and Warning Systems	24
CCAF Internship	18
Computer Networking	6
Radio Communications	6
Space Systems Operations	24

Table 3 Technical Electives (0-12 Semester Hours)

Subjects/Courses	Max Semester Hours
Astronautics	3
Astronomy	3
Aviation/Flight Safety	3
Basic Electronics Theory/Application	6
Computer Science	6
Enlisted Professional Military Education	12
Management Information Systems	3
Programming Languages	6
Solid-State Theory/Application	3
Space Propulsion	3
Survival Training	3
Technical Writing	3

7.4.2. **Leadership, Management, and Military Studies (6 Semester Hours):** Professional Military Education and/or civilian management courses. See *CCAF General Catalog* for application of 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 Requirement (GER) and be in agreement with the definitions of applicable General Education subject/courses as provided in the CCAF general catalog.

Table 4 General Education Requirements

Subject/Courses	Semester Hours
Oral Communication (speech)	3
Written Communication (English composition)	3
Mathematics (intermediate algebra or college-level mathematics)	3
Social Science (anthropology, archaeology, economics, geography, government, history, political science, psychology, sociology)	3
Humanities (courses in fine arts (criticism, appreciation, historical significance, foreign language, literature, philosophy, religion)	3

7.4.5. **Program Elective (15 Semester Hours):** Satisfied with applicable Technical Education, Leadership, Management, and Military Studies or General Education subjects/courses.

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

8. Assignments.

8.1. RegAF (Equal Plus).

<https://afas.afpc.randolph.af.mil/AMSNET40/EnlistedAssignments/EnlistedAuthorized.aspx>

8.2. Air Force Reserve: <https://w45.afpc.randolph.af.mil/RMVSNet40/VacancyList.aspx>

8.3. Air National Guard: <https://www.goang.com/careers/find-your-career>

9. Career Field Flow Charts.

Figure 1 1A2X1 Training Path 1 of 2

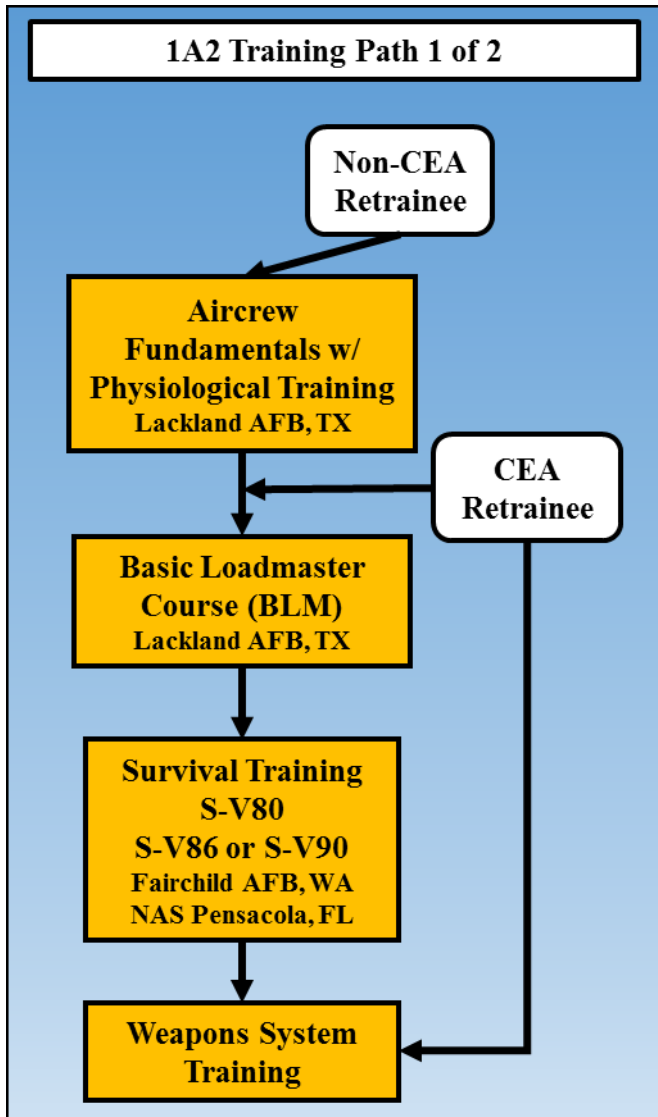
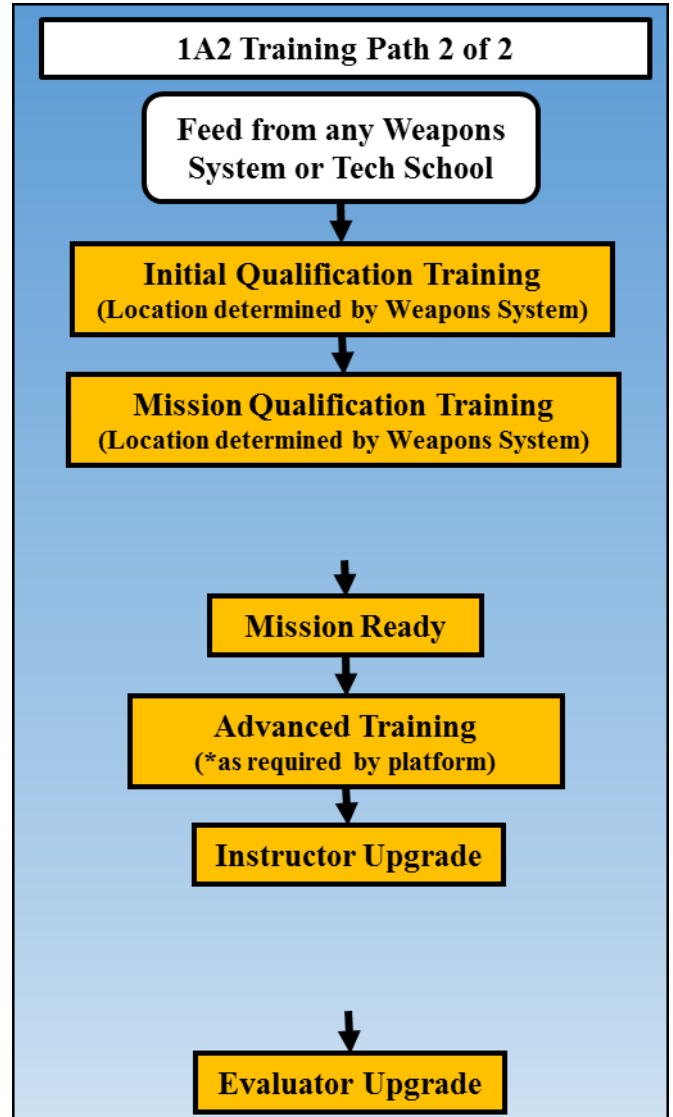


Figure 2 1A2X1 Training Path 2 of 2



9.1.1. The flow outlined in figure 1 (above) represents the formal training courses required for personnel entering and becoming fully qualified as an AIRCRAFT LOADMASTER. The locations, course lengths, and titles are subject to change. Changes will be updated in the Education Training Course Announcement by the course owner.

9.1.2. The course flow has been developed and agreed upon by the MAJCOM functional managers to minimize days students are awaiting training and to ensure survival training is typically completed prior to AFSC award--minimizing the impact of not having the prerequisites completed before entering weapons system training.

9.1.3. Personnel graduating from the Basic Loadmaster Course are awarded AFSC 1A231 and are authorized to wear the Basic Aircrew Member Badge. Wear and permanent awarding requirements of the Basic Aircrew Member Badge will be IAW AFMAN 11-402, *Aviation and Parachutist Service Aeronautical Ratings and Badges*, and MAJCOM supplements. Failure to complete initial qualification training (IQT) is justification for supervisors to recommend revocation of wear of the Aircrew Member Badge.

Table 5 1A2X1 Enlisted Education and Training Path

Enlisted Education and Training Path					
Education and Training Requirements	GRADE REQUIREMENTS				
	Rank	Earliest Sew-on	Air Force Average	1A2X1 Average	High Year of Tenure (HYT)
Basic Military Training School (BMTS)					
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 10 months			
Upgrade To Journeyman (5-Skill Level) - Completion of Initial/Mission Qualification Training	Amn A1C SrA				
Airman Leadership School (ALS)* - Resident graduation is a prerequisite for SSgt sew-on (RegAF Only)	SrA	28 months	3 years	3 years	8 years
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt - 12 months Fully Mission Qualified (6 months for retrainees)	SSgt	3 years	4.39 years	4.66 years	15 years
NCO Academy (NCOA)* - Must be a TSgt or TSgt-select to attend (SSgts may attend if all class seats have not been filled) - Resident graduation is a prerequisite for MSgt sew-on (RegAF Only)	TSgt	5 years	9.19 years	10.03 years	20 years
Senior NCO Academy (SNCOA)* - Must be a SMSgt, SMSgt select, or Non-selects to SMSgt across AFSCs, from highest WAPS score descending until class seats are filled	MSgt	8 years	14.36 years	13.38 years	24 years
Upgrade to Superintendent (9-Skill level) - Minimum rank of SMSgt	SMSgt	11 years	18.40 years	18.26 years	26 years
CMSgt Leadership Course - Required for re-enlistment and developmental opportunities - Must be a CMSgt or CMSgt-select to attend					
Chief Enlisted Manager (CEM) - Minimum rank of CMSgt - Completed SNCOA (RegAF Only)	CMSgt	14 years	20.97 years	22.29 years	30 years
*ARC personnel may satisfy EPME requirements via Distance Learning					
Data current as of 6 January 2020					
References: AFI 36-2301 AFGM2014-01 <i>Developmental Education</i> ; AFI 36-2201, <i>Air Force Training Program</i> ; and https://mypers.af.mil					

Section C - Skill Level Training Requirements

10. Purpose.

Skill level training requirements in this career field are defined in terms of task 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 and the Course Objective List at Part II, Section A and B of this CFETP.

10.1. Specialty Qualifications:

10.1.1. Apprentice 3-Level Training:

10.1.1.1. Specialty Qualification.

10.1.1.2. **Knowledge.** Knowledge is mandatory of: types, capacities, and configuration of transport aircraft; arithmetic; emergency equipment and in-flight emergency procedures; personal equipment and oxygen use; communications; current flying directives; interpreting diagrams, loading charts, and technical publications; border agency clearance dispensing and preserving food aboard aircraft; and cargo restraint techniques.

10.1.1.3. **Education.** For entry into this AFSC, completion of a high school education with courses in mathematics, computer principles, typing, speech, and English is desirable. A minimum score of 57 is required on the General portion of the Airman Qualifying Examination (AQE).

10.1.1.4. **Training.** Completion of the Aircrew Fundamentals Course at Joint Base San Antonio-Lackland, TX is mandatory for pipeline and non-aviation service cross training students. Completion of the Basic Loadmaster Course is mandatory for award of the AFSC 1A231.

10.1.1.5. **Other.** The following are mandatory as indicated:

10.1.1.5.1. For entry, award, and retention of the AFSC:

10.1.1.5.1.1. Physical qualification for aircrew duty according to AFMAN 48-123, *Class III Medical Standards*.

10.1.1.5.1.2. Normal color vision and depth perception as defined in AFI 48-123, *Medical Examinations and Standards*.

10.1.1.5.1.3. Qualification for aviation service according to AFMAN 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Badges*.

10.1.1.5.1.4. Must maintain eligibility to deploy and mobilize worldwide.

10.1.1.5.1.5. Completion of SERE Training Course (S-V80) and Water survival Training Course (S-V80A).

10.1.1.5.2. Specialty requires routine access to Secret or higher-level material. For award and retention of AFSCs 1A2XX, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) IAW AFI 31-501, *Personnel Security Program Management*.

10.1.1.6. **Training Sources.** Completion of the Basic Loadmaster course satisfies the knowledge and training requirements specified in the specialty qualification section (above) for award of the 3-skill level. Completion of the Aircrew Fundamentals Course is mandatory.

10.1.1.7. **Implementation.** Entry into training is accomplished by initial accessions from Basic Military Training School (BMTS) or approved retraining from any AFSC. After graduation from Basic Loadmaster Course, initial qualification training begins when the individual enters formal flight training.

10.1.2. Journeyman 5-Level Training:

10.1.2.1. **Specialty Qualification.** All qualifications for AFSC 1A231 apply to the 1A251 requirements.

10.1.2.2. **Knowledge.** Types, capacities, and configuration of transport aircraft; arithmetic; weight and balance factors; cargo restraint techniques; aircraft systems; emergency equipment and in-flight emergency procedures; use of personal equipment and oxygen; communications; current flying directives; interpreting diagrams, loading charts, and applicable technical publications; border clearance requirements and forms; principles of dispensing and preserving food aboard aircraft; operation of cargo loading equipment; and cargo and personnel airdrop techniques

and equipment. Completion of qualification criteria in initial assigned aircraft is mandatory prior to award of 5- level, which is attained by completion of initial qualification training and a successful AF Form 8.

10.1.2.3. **Education.** To assume the rank of SSgt, the individual must be a graduate of Airman Leadership School (ALS).

10.1.2.4. **Training.** The following training is mandatory for the award of the 5-skill level:

10.1.2.4.1. Complete the resident and informal training for the assigned weapon system.

10.1.2.4.2. Trainee must meet task requirements established in the STS.

10.1.2.5. **Experience.** Qualification in and possession of AFSC 1A231. In addition, the trainee must complete requirements as listed in the applicable MAJCOM aircrew training directives, initial qualification training, and a successful AF Form 8.

10.1.2.6. **Other.** See paragraph 10.1.1.5..

10.1.2.7. **Training Sources.** Refer to Part II, Section D, Training Course Index.

10.1.2.8. **Implementation.** Entry in to journeyman upgrade is accomplished after the trainee enters into initial qualification training.

10.1.3. **Craftsman 7-Level Training:**

10.1.3.1. **Specialty Qualification.** Qualification in and possession of AFSC 1A251.

10.1.3.2. **Knowledge.** In addition to the 5-skill level and other qualifications as listed above, an individual must possess the knowledge necessary to maintain Aircraft Loadmaster qualification.

10.1.3.3. **Education.** To assume the grades of SSgt and MSgt, individuals must be graduates of the Airman Leadership School (ALS) and Noncommissioned Officer Academy (NCOA), respectively. Reference AFI 36-2301, *Developmental Education*.

10.1.3.4. **Training.** The CSAF has approved a variance eliminating the requirement for in-residence 7-skill level training for all CEA career fields. However, minimum rank of SSgt and recommendation by the supervisor still applies.

10.1.3.5. **Experience.** Qualification in and possession of AFSC 1A251. Also, experience performing functions such as: inspecting, operating, and troubleshooting aircraft loading and cargo systems; validating load plans; loading and unloading aircraft; and instructing passengers in the use of emergency equipment and procedures.

10.1.3.6. **Other.** See paragraph 10.1.1.5..

10.1.3.7. **Training Sources and Resources.** Refer to Part II, Section D, Training Course Index.

10.1.3.8. **Implementation.**

10.1.4. **Superintendent 9- Level Training:**

10.1.4.1. **Specialty Qualification.** Qualification in and possession of AFSC 1A271.

10.1.4.2. **Knowledge.** In addition to knowledge required for the 7-skill level qualification, an individual must possess advanced skills and knowledge of concepts and principles in the effective leadership of Loadmaster personnel and management of assigned resources.

10.1.4.3. **Education.** Completion of SNCOA (RegAF – In-Residence, ARC – In-Residence or DL) commensurate with rank requirements. Additionally, at this level, award of the Community College of the Air Force (CCAF) Associate of Applied Science degree in this field is required.

10.1.4.4. **Training.** Must hold the rank of Senior Master Sergeant and supervisor's recommendation for award of the 9-skill level (RegAF only).

10.1.4.5. **Experience.** Qualification in and possession of AFSC 1A271. Also, experience in supervisory position is desired.

10.1.4.6. **Other.** See paragraph 10.1.1.5..

10.1.4.7. **Training Sources.**

10.1.4.8. **Implementation.**

Section D - Resource Constraints

11. Purpose.

This section identifies known resource constraints that 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, and target completion dates. Resource constraints will be reviewed and updated at least annually.

11.1. Apprentice Level Training.

The U&TW team that met in March 2017 and identified that a Tactical Vehicle (HUMVEE or suitable substitute) is required for realistic training of students in the Basic Loadmaster Course. OPR: CoE. Target completion date: January 2019.

11.2. Journeyman Level Training.

None identified.

11.3. Craftsman Level.

None identified.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

**JAMES A. JACOBSON, Major General, USAF
Director, AF Training and Readiness**

PART II

Section A - Specialty Training Standard (STS)

1. Implementation.

This STS will be used for technical training provided by AETC for classes beginning January 2013.

2. Purpose.

As prescribed in AFI 36-2201, Volume 5, this STS:

2.1. Lists in column 1 of attachment 2, the tasks, knowledge, and technical references (TR) necessary for airmen to perform in the 3- skill level AFSC in the Aircraft Loadmaster ladder of the Aircrew Operations Career Field

2.2. Column 2 (3-Skill Level) shows formal training and correspondence course requirements as described in the Education and Training Course Announcements (ETCA) web site at: <https://cs2.eis.af.mil/sites/app10-etca/SitePages/home.aspx#Home> and the career knowledge provided by the correspondence course. There are no CDCs listed for this AFSC.

2.3. 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.

2.4. Utilized as a guide for development of promotion tests used in the Weighted Airmen Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the HQ AETC Airmen Advancement Division by Senior NCOs with extensive practical experience in their associated career field. The tests sample knowledge of STS subject matter areas judged by test development team members to be most appropriate for promotion to higher grades. Questions are based on study references listed in the WAPS study catalog. Individual responsibilities are in AFI 36-2605 Air Force Military Personnel Testing System.

3. Recommendations.

Report unsatisfactory performance of individual course graduates to 37 TRG/DOS, 1220 Truemper Street, Suite 1, JBSA-Lackland TX 78236-5568. Please reference specific STS paragraphs.

3 Attachments:

1. Qualitative Requirements
2. STS: Loadmaster (1A2X1)
3. CFETP Career Path: 1A2X1

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.

5. Standard.

The standard is 85 percent 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. Advanced Skills Course.

NOTE: There is currently no advanced course. This area is reserved.

Section C - Support Material

8. Support Materials.

NOTE: 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.

Table 6 Air Force In-Residence Course

COURSE NUMBER	COURSE TITLE	LOCATION
L2AQR1A211 01AB	Aircrew Fundamentals Course – Aircraft Loadmaster	JBSA-Lackland, TX
L3ABR1A231 048C	Basic Loadmaster Course – Undergraduate Flying Course	JBSA-Lackland, TX
ANG BLM (I)	ANG Basic Loadmaster International Course	Little Rock AFB, AR
C5LIQA	C-5 Loadmaster Initial Qualification Course – AMP Mod	JBSA-Lackland, TX
C130H2LMQ1LP	C-130H2 Loadmaster Initial Qualification Course	Little Rock AFB, AR
C130H2LMQ3LP	C-130H2 Loadmaster Initial/Mission Qualification Course	Little Rock AFB, AR
C130JLIQ1LP	C-130J Loadmaster Initial Qualification	Little Rock AFB, AR
C130JLIQ3LP	C-130J Loadmaster Initial/Mission Qualification Course	Little Rock AFB, AR
C17LIQ	C-17 Loadmaster Initial Qualification	Altus AFB, OK
MC130HMLIQ	MC-130H Mission Loadmaster Initial Qualification Course	Hurlburt Field, FL
HC/MC130JMLIQ	HC/MC-130J Mission Loadmaster Initial Qualification Course	Kirtland AFB, NM
NSA/MEDLMIQ	Non Standard Medium Aircraft Loadmaster Initial Qualification	Duke Field, FL
S-V80-A	SERE Training	Fairchild AFB, WA
S-V85-A	Emergency Parachute and Water Survival Training	Fairchild AFB, WA
S-V86-A	Water Survival Training	Fairchild AFB, WA
S-V90-A	Water Survival School (non-parachuting)	Fairchild AFB, WA
NOTE: Please check Education & Training Course Announcements for most updated Course Number and information: https://cs2.eis.af.mil/sites/app10-etca/SitePages/home.aspx#Home Current as of 14 June 2020		

Table 7 Air Mobility Command Advanced Distributed Learning Service (ADLS) Courses

COURSE NUMBER	COURSE TITLE	WEBSITE
FEMO	Fundamentals of Expeditionary Mobility Operations	AMC ADLS Gateway
STAGE	Stage Management Course	STAGE
WBT AOC AL	Air Operations Center Air Mobility Fundamentals - Airlift	https://amc.csd.disa.mil/

Table 8 Advanced Training

COURSE NUMBER	COURSE TITLE	LOCATION
1A2ILMR	International Loadmaster Refresher Course	Little Rock AFB, AR
C130H2LIN3LP	C-130 Loadmaster Instructor Course	Little Rock AFB, AR
C130JLIN3LP	C-130J Loadmaster Instructor Qualification Course	Little Rock AFB, AR
C130JLIQ5LP	C-130J Loadmaster Mission Qualification Course	Little Rock AFB, AR
C130JLXA3LP	C-130J Loadmaster Transition Long Course (Qual & Msn)	Little Rock AFB, AR
C130JLXB3LP	C-130J Loadmaster Transition Short Course (Qual & Msn)	Little Rock AFB, AR
C-130J Loadmaster Advanced Instructor Course	C-130J Loadmaster Advanced Instructor Course	Little Rock AFB, AR
C17LAD	C-17 Loadmaster Airdrop Course	Altus AFB, OK
C17ILM	C-17 Instructor Loadmaster Qualification Course	Altus AFB, OK
C-17 LM AIC	C-17 Loadmaster Advanced Instructor Course	JB Lewis-McChord
C17LTX-4	C-17 Loadmaster Transition Course	Altus AFB, OK
EC130JMLIMQ	EC-130J Loadmaster Mission Qualification Course	Harrisburg IAP, PA
EC130JLINIL	EC-130J Instructor Loadmaster Qualification Course	Harrisburg IAP, PA
HC130JMLTX	HC-130J Mission Loadmaster Transition Course	Kirtland AFB, NM
HC130JILUQ	HC-130J Instructor Loadmaster Upgrade Qualification Course	Kirtland AFB, NM
MC130HILUQ	MC-130H Instructor Loadmaster Upgrade Course	Hurlburt Field, FL
MC130HMLSR	MC-130H Mission Loadmaster Refresher Course	Hurlburt Field, FL
MC130JMLTX1	MC-130J Mission Loadmaster Transition Course (Long)	Kirtland AFB, NM
MC130JMLTX2	MC-130J Mission Loadmaster Transition Course (Short)	Kirtland AFB, NM
L5AZA1A2510F5A	Airdrop Load Inspector Certification Course	Ft. Lee, VA
AAMOC	Advanced Air Mobility Operations Course	JB McGuire Dix, NJ
SOED-ISOC	Introduction to Special Operations (ISOC) Course	Hurlburt Field, FL
SERE 220	Advanced Resistance Survival Training Course	Fairchild AFB, WA
SERE 245	Special Survival Training Course	Fairchild AFB, WA
SV87A	Arctic Survival Training Course	Eielson AFB, AK
AATTC	Advanced Airlift Tactics Training Center Course	St. Joseph ANG, MO
AMC CATS	Combat Aircrew Tactics Studies Course	St. Joseph ANG, MO
USAF EC AIC	Academic Instructor Qualification Course	JB McGuire Dix, NJ
AMC APC	Air Mobility Division Airlift Planners Course	Hurlburt Field, FL
JA0C2C	Joint Air Operations Command and Control Course	Hurlburt Field, FL
NOTE: Please check Education & Training Course Announcements for most updated Course Number and information: https://cs2.eis.af.mil/sites/app10-etca/SitePages/home.aspx#Home Current as of 14 June 2020		

Table 9 Other Courses in the Field

COURSE NUMBER	COURSE TITLE	USER
Various	Loadmaster Flight Examiner	MAJCOM
Various	Loadmaster Refresher Course	MAJCOM

Section E - MAJCOM Unique Requirements

1. Air National Guard (ANG).

1.1. Purpose. This section applies to all 1A2X1 personnel assigned to Air National Guard (ANG) units.

1.2. Proficiency Training.

1.2.1. Upon completion of the Initial Qualification course, ANG 1A2s require a minimum of 250 days to become Mission Ready (MR), and obtain operational proficiency as outlined in the most recent Ready Aircrew Program (RAP) Tasking Message/MDS Vol 1. SOF/PR 1A2s serving on HC-130J and EC-130J require a minimum of 365 days. For transition qualification, HC-130J 1A2s require a minimum of 220 days and EC-130J 1A2s require a minimum of 150 days.

1.2.2. CMR, as defined in the RAP tasking message/MDS Vol 1, and proficiency training will include TDY travel to accomplish training not available at home station.

1.2.2.1. The number of days required for a member to attain CMR may be adjusted accordingly by the ANG CEA CFM as required to meet all necessary requirements identified in the MDS Vol 1 and applicable AFIs/supplements.

1.3. Special Qualification Training.

1.3.1. C-17 1A2s selected for airdrop training require a minimum of 168 days to become Mission Ready (MR), and obtain operational proficiency as outlined in the most recent Ready Aircrew Program (RAP) Tasking Message/MDS Vol 1.

Section F - MAJCOM Unique Resource Requirements

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

**Attachment 1
Qualitative Requirements**

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

QUALITATIVE REQUIREMENTS

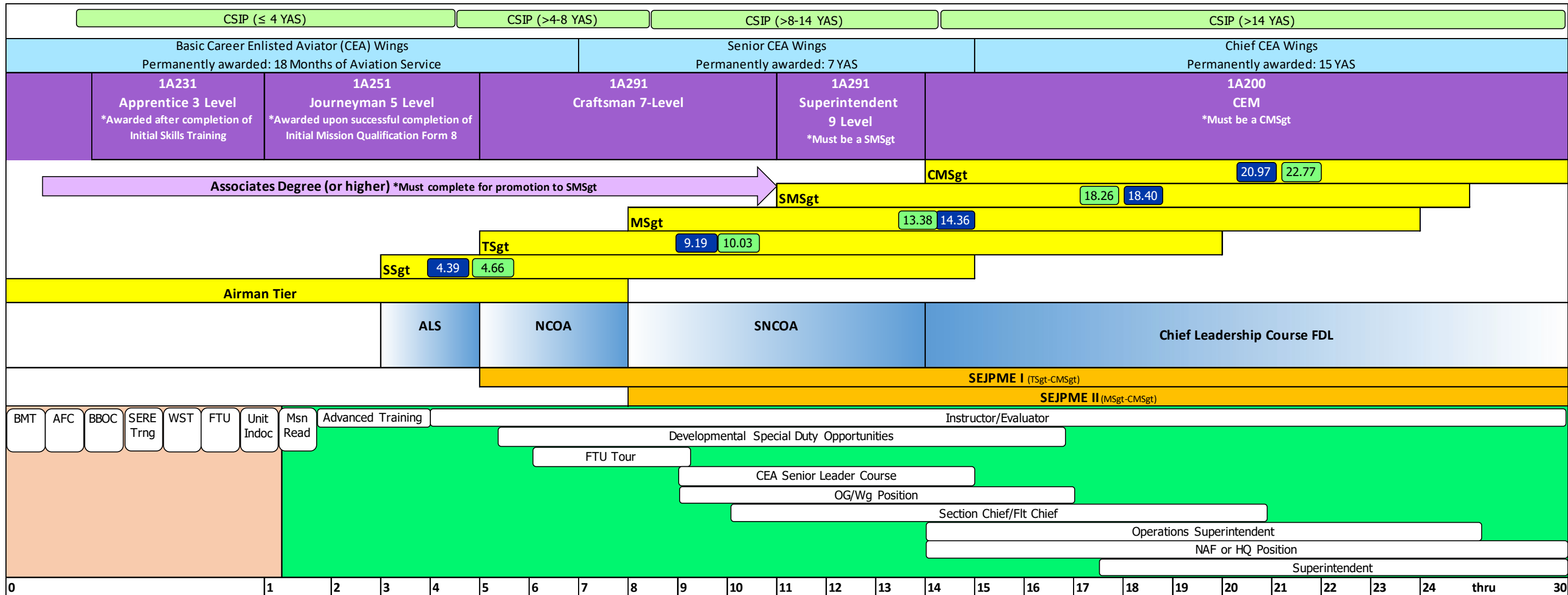
PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The Individual
TASK PERFORMANCE LEVELS	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
	2	Can do most parts of the task. Needs help only on hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all 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.		
x This mark is used alone in course columns to show that training is required but not given due to limitations in resources.		

**Attachment 2
Tasks, Knowledge, and Technical References**

TASKS, KNOWLEDGE, AND TECHNICAL REFERENCES			Current 3-Skill Level Course
1. CAREER FIELD INFORMATION			
AF Instructions		Miscellaneous	
AFI 11-202 V1/V2V/3	AFI 36-2101	AFECD	
AFI 11-2C-XXX V2	AFI 11-401		
1.1. Duties, Progression, and Airmanship			
1.2. Loadmaster Qualifications			A
1.3. Loadmaster Career Opportunities			A
2. AIRCRAFT SYSTEMS / EQUIPMENT			
AF Instructions		Technical Orders	
	T.O. 00-25-172	T.O. 1C- XXX -9	
	T.O. 1C- XXX -1	T.O. 00-5-1	
		T.O. 00-5-3	
2.1. Electrical			
2.2. Hydraulic			
2.3. Environmental			
2.4. Communication			
2.5. Landing Gear/Brake			
2.6. Fuel			
2.7. Engines/APU			
2.8. Flight Instruments			
2.9. Fire Detection/Extinguishing			
3. WEIGHT AND BALANCE			
AF Instructions		Technical Orders	
AFI 11-2C- XXX V3_Addenda A/B	T.O. 1-1B-50	TO 1C- XXX -5-1	
	T.O. 1C- XXX -1	TO 1C- XXX -5-2	
	T.O. 1C- XXX -9		
3.1. Concepts			
3.2. Apply Formulas			
3.3. Weight and Balance Records			
3.4. Complete Weight and Balance DD Form 365-4			
3.5. Effects of Weight and Balance			

TASKS, KNOWLEDGE AND TECHNICAL REFERENCES (continued)			Current 3-Skill Level Course
4. CARGO HANDLING			
AF Instructions		Technical Orders	
AFI 24-101 V11	T.O. 1C-XXX-1	T.O. 1C-XXX-9	
4.1. Pounds per Square Inch (PSI) & Shoring Requirements			A
4.2. Compute Pounds per Square Inch (PSI) and Shoring Requirements			2b
4.3. Cargo Loading/Offloading Procedures			A
4.4. Cargo Loading Aids			A
4.5. Concepts of Restraint			A
4.6. Compute Restraint Criteria			2b
4.7. Secure Cargo			2b
4.8. Cargo Inspection Procedures			A
4.9. Inspect Cargo			2b
4.10. Cargo Documentation			A
4.11. Special Handling Procedures			A
4.12. Safety Requirements			A
4.13. Direct Loading/Offloading of Palletized Cargo			2b
4.14. Direct Loading/Offloading of Self-Propelled Vehicle			2b
4.15. Conduct Before/After Loading Checklist			2b
5. AIR TRANSPORTATION OF HAZARDOUS MATERIAL			
AF Instructions		Technical Orders	
T.O. 1C-XXX-1	AFMAN 91-201	AFJI 11-204	
T.O. 1C-XXX-9		AFMAN 24-204	
5.1. Determine Suitability and Segregation/Compatibility of HAZMAT			2b
5.2. Safety Procedures			A
6. PASSENGER / TROOP REQUIREMENTS			
AF Instructions		Miscellaneous	
T.O. 1C-XXX-1	AMCI 24-101 V14		
T.O. 1C-XXX-9	DOD Foreign Clearance Guide		
6.1. Passenger Handling			B
6.2. Brief Passengers/Troops			1a
6.3. Border Clearance Procedures			A
6.4. Equipment Inventory Forms			A
7. SUPPORT AGENCIES			
AF Instructions		Miscellaneous	
AFI 11-221	JP 3-17	AMCI 10-202 V4	
	JP 3-30	AMCI 11-208	
7.1. Command and Control			A
7.2. Mission Support			A
8. PUBLICATIONS			
AF Instructions		Technical Orders	
AFI 11-202, V2/V3	T.O. 00-5-1	T.O. 00-20-1	
AFI 11-215	T.O. 00-5-3		
AFI 33-360			
8.1. Publications			-
8.2. AF Technical Orders (T.O.s)			-

**Attachment 3
Loadmaster Career Path Chart
1A2X1**



References:
 AFI 11-401 Aviation Management
 AFMAN 11-402 Aviation and Parachutist Service, Aeronautical Ratings, and Aviation Badges
 AFI 36-2201 Air Force Training Program
 AFI 36-2301 Developmental Education
 AFI 36-2502 Enlisted Airman Promotion/Demotion
<https://mypers.af.mil/>

OPR: HQ USAF/A3TF
 POC: CMSgt Philip P. Leonard
 30 Mar 2021

Legend:

- Compensation
- CEA Milestones
- AFSC Skill Level
- Promotions
- AF Avg
- AFSC Avg
- PME
- Training Progression
- Career Progression
- Years Of Service (not necessarily the same as YAS)

NOTE: Career progression is typical, but not mandatory. Each member's career may take shape in many different forms.