DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2W0X1
Parts I and II
22 October 2021

AFSC 2W0X1

MUNITIONS SYSTEMS

Basic   Senior   Master

MUNITIONS SYSTEMS OCCUPATIONAL BADGE DISCRIPTION: The badge includes the heraldic shield, which also represents the United States' advanced conventional stockpile acting as a deterrent to forestall enemy attacks. The shell and flame, of which is synonymous with this great profession, is traced back as far as 1802 with the Spanish artillery. The shell and flame is a reminder that we are custodians of the USAF arsenal, readied and made available at all times, for national defense. The olive wreath surrounding the shield symbolizes the peace provided by defending the United States in performing this unique profession. The insignia includes three variations for the basic, senior, and master level echelons.

CAREER FIELD EDUCATION AND TRAINING PLAN

ACCESSIBILITY: Publications and forms are available on the e-Publishing website at: www.e-publishing.af.mil for downloading or ordering.

RELEASABILITY: There are no releasability restrictions on this publication.

Summary of changes: Numerous changes have been made throughout the document. Review in its entirety.

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CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

PREFACE

1. Training and developing highly skilled and motivated munitions technicians is a fundamental requirement to conduct successful operations and meet the ever-changing mission demands of today as well as those that rise up in the future! This CFETP is a comprehensive education and training document that identifies 2W0X1 education and training requirements, training support resources, and minimum core task requirements for the Munitions Systems specialty. The CFETP provides munitions personnel a clear career-path to success while incorporating all aspects of career field training. *NOTE:* Munitions managers should utilize Part II to support duty position qualification training for civilian personnel occupying associated munitions positions. This CFETP was developed in accordance with the requirements in AFI 36-2670, *Total Force Development*, accessible at **http://www.e-publishing.af.mil**.

2. The CFETP consists of two parts; both parts are used by supervisors to plan, manage, and control training within the 2W0X1 AFSC. Trainees not only use the CFETP to outline their current and past training, but also as a roadmap to help guide them through their career path.

2.1. Part I provides information necessary for overall management of the specialty and will be maintained as part of the work center Master Training Plan (MTP). Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints (i.e. funds, manpower, equipment, facilities). Section E identifies transition training guide requirements for SSgt through SMSgt and other SNCOs as required by the Munitions Systems (2W0) Air Force Career Field Manager (AFCFM).

2.2. Part II includes the following: Section A: identifies the Specialty Training Standard (STS) and includes duties, tasks, Technical References (TRs) to support training, AETC conducted training, core task and correspondence course requirements. Section B: contains the COL 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, which may be developed to support proficiency training; 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. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

3. Using guidance provided in the CFETP will ensure munitions systems personnel (military and civilian) receive effective and efficient training at the appropriate point in their career development. This plan will enable us to train today's workforce for tomorrow's mission.

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 and 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). An individual at Air Staff that determines training needs and requirements and directs training programs for his/her career field(s).

Air Force Combat Ammunition Center (AFCOMAC). The common name for the 9th Munitions Squadron, located at Beale Air Force Base, where munitions systems personnel train on combat ammunition planning and employment.

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

Air Force Qualification Training Package (AFQTP). A training package that is used by field personnel to assist with task certification.

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

Core Task. A task the AFCFM identifies as a minimum qualification requirement within an Air Force specialty or duty position as listed in Part II.

Critical Tasks. Tasks identified by the work center supervisor as having a detrimental effect on mission accomplishment if not performed correctly. Critical tasks may or may not be the same as core tasks, but are mandatory if identified as 'critical' to the individual's position by the supervisor or work center.

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

Field Technical Training (Type 4 or Type 7). Special or regular on-site training conducted by a field training detachment (FTD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in the awarding of the apprentice skill level within an Air Force Specialty (AFS).

MAJCOM Functional Manager (MFM). Identifies command qualification requirements and coordinates training solutions for skill levels assigned.

Master Task Listing (MTL). A comprehensive list (100%) of all tasks performed within a work center and consisting of the current CFETP or AFJQS and locally developed AF Form 797 (as a minimum). Should include tasks required for deployment and/or UTC requirements.

Master Training Plan (MTP). Employs a strategy for ensuring the completion of all work center job requirements by using a Master Task Listing and provides milestones for task, CDC completion, and prioritizes deployment/UTC, home station training tasks, upgrade, and qualification tasks.

Occupational Survey (OS). A detailed survey of tasks performed within a particular AFS.

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

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

Resource Constraints. Resource deficiencies, such as money, facilities, instructor positions, student man-years, other manpower requirements, and equipment that preclude desired training from being delivered. MAJCOM Functional Managers coordinate with the respective Air Force Specialty Code functional in identifying and providing resources prior to initiation of course development.

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 the award of a skill level.

Specialty Training Standard (STS). An Air Force publication that describes the skills and knowledge an Airman in a particular Air Force specialty needs on the job. It further serves as a contract between AETC and the user to show the overall training requirements for an Air Force specialty code that the formal schools teach.

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

Task Qualified. Identifies individuals who have completed training on both core and non-core tasks. Individual and trainer initial training completion blocks of the STS, the person is then considered qualified to perform that task.

Total Force. The United States Air Force's Total Force includes the Regular Air Force (RegAF), Air National Guard (ANG), Air Force Reserve (AFR), civilian workforce, and the Combat Air Patrol when conducting missions for the Air Force as the official Air Force Auxiliary.

Training Business Area (TBA). A web-based application providing real-time visibility of technical qualifications, certifications, and training status. It duplicates or replaces the functionality of the STS.

Training Planning Team (TPT). Comprised of the same personnel as a U&TW, however TPTs are more intimately involved in training development and the range of issues are greater than is normal in the U&TW forum.

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

Utilization and Training Workshop (U&TW). A forum of the Air Force Career Field Manager (AFCFM), MAJCOM Functional Managers, Subject Matter Experts (SME), and AETC training personnel that determine career training requirements.

SECTION A - GENERAL INFORMATION

A1. Purpose of the CFETP. This CFETP provides information necessary for AFCFM, MFM, commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. The plan outlines the training individuals in this AFS should receive in order to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the AF 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-, 9-skill level. 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 and knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. 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:

A1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field-training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

A1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education and training throughout each phase of an individual's career.

A1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.

A1.4. Identifies major resource constraints that impact full implementation of the desired career field training process.

A2. Use of the CFETP. The 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.

A2.1. 2W0X1 AETC training personnel will develop or revise formal resident, nonresident, field and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

A2.2. 2W0X1 MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. OJT, resident training, and contract training or exportable courses can satisfy identified requirements. MAJCOM-developed training to support this AFSC must be identified for inclusion into the plan.

A2.3. 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.

A3. Coordination and Approval of the CFETP. AFCFM (HQ AF/A4LW) is the approval authority for the CFETP. The 363 TRS/TRR, Sheppard AFB will initiate an annual review of this document during the month of May so the CFETP is published no later than 30 September of the current fiscal year. The AFCFM and MFMs will ensure the currency and accuracy of this document in accordance with AFI 36-2670, *Total Force Development*.

A3.1. MAJCOM representatives and the AFCFM will identify and coordinate on 2W0X1 training requirements utilizing the list of courses in Part II to eliminate duplicate training.

A3.2. All questions or change recommendations regarding the CFETP will be routed through the respective MFM for discussion at the 2W0X1 U&TW.

SECTION B – CAREER PROGRESSION AND INFORMATION

B1. Specialty Descriptions. The source document for Specialty Descriptions is the Air Force Enlisted Classification Directory (AFECD) available online, in myPERS. URL below: **https://mypers.af.mil/app/answers/detail/a_id/7504**.

B1.1. Specialty Summary. Responsible for safety, security, and accountability of all nonnuclear munitions and related components. Performs and manages munitions production and materiel tasks and activities. Identifies munitions and equipment requirements. Operates and maintains automated data processing equipment (ADPE) to perform inspection, testing, and stockpile management activities. Stores, maintains, assembles, issues, and delivers assembled nonnuclear munitions. Routinely demilitarizes nonhazardous munitions. Operates and maintains munitions materiel handling equipment (MMHE). Develops and implements munitions materiel management concepts and procedures. Complies with explosive, missile, and ground safety, security, and environmental directives and practices. Identifies munitions by filler, color code, marking, or physical characteristics. Receives, stores, handles, and transports nuclear weapons. Related DoD Occupational Subgroup: 164500.

B1.2. Duties and Responsibilities. Tests, assembles, and processes nonnuclear munitions. Prepares munitions for loading on aircraft. Checks safe and arm mechanisms. Installs warheads, guidance units, fuses, arming wires, squibs, strakes, wings, fins, control surfaces, and tracking flares. Processes aircraft gun ammunition. Maintains and reconditions munitions and MMHE. Reconditions, repairs, and replaces defective or missing parts. Maintains operational or bench stock materiel and secures replenishment. Modifies munitions and MMHE when directed. Inspects munitions for serviceability and applies munitions product assurance procedures. Installs spotting charges in bombs. Processes ammunition. Inspects ammunition, components, and containers for defects. Prepares documentation indicating identification and quantity of assets. Performs routine demilitarization of nonexplosive munitions items. Repackages munitions and applies container markings. Receives, stores, handles, and transports nonnuclear munitions via multiple modes (air, sea, land). Unloads and unpacks munitions. Checks shipping documents for accuracy. Delivers munitions to assembly, storage, or maintenance areas. Prepares munitions for shipment. Determines and maintains storage facilities, reports, safety, and security requirements. Performs inspections and maintains inspection and storage records. Issues nonnuclear munitions. Performs operator maintenance on munitions vehicles and equipment. Performs munitions materiel management and materiel accounting functions. Performs and oversees management and procedural application of manual and automated positive inventory control. Determines inventory control actions. Conducts inventories and corrects discrepancies. Accomplishes requisitioning actions and maintains due-in, due-out, and status files. Maintains source document control and ensures validity and completeness. Recommends system and program changes to data processing methods. Develops and maintains stock level data. Monitors excess munitions programs. Prepares reports. Operates and maintains ADPE for munitions accounting, reporting, and status configuration. Coordinates with maintenance activities on repairable munitions components. Obtains material for equipment modifications, periodic component exchange, and maintenance. Receives, stores, handles and transports nuclear weapons. Establishes and evaluates performance standards, maintenance controls, and work procedures. Computes data to support financial planning and programming. Analyzes and validates munitions host-tenant and inter-service munitions support agreements and plans. Develops methods and techniques to maintain and recondition munitions and handling equipment. Evaluates munitions account condition, identifies deficiencies, and initiates corrective actions. Ensures compliance with policies, directives, and procedures. Evaluates munitions equipment maintenance. Evaluates procedures for assembling, renovating, and storing munitions; and procedures for demilitarization of nonexplosive munitions. Provides status information and expected completion dates. Analyzes mission effectiveness, program requirements, and stock control levels, and validates requirements. Analyzes stockpile requirements to determine type and quantity of munitions facilities needed to safely store, inspect, maintain, and secure munitions assets.

B2. Skill Level and Career Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives viable training at appropriate points in their career.

B2.1. Apprentice Level (3). Individuals must successfully complete the Munitions Systems Apprentice Course. Upon completion of the Munitions Systems Apprentice course, trainees will work with a trainer to enhance their knowledge and skills. They will use the 2W051 Career Development Course (CDC) and Task Qualification Training identified in the STS, AFJQS, MAJCOM, and base level-identified training programs to progress within the AFSC. Once qualified on a task, a 2W031 may perform the task unsupervised, except when prohibited by safety or security requirements. In addition, 2W031 personnel are encouraged to continue their education towards completing a Community College of the Air Force (CCAF) degree.

B2.2. Journeyman Level (5). In order to be awarded the 5-skill level in Munitions Systems, individuals must successfully complete the CDCs and 12 months OJT in addition to core tasks. CDCs may be completed in any sequence. Supervisors determine which CDC set or volume an upgrade Airman will enroll. 2W051A encompasses a generalized approach to 'munitions systems' organization structure and processes and materiel; while 2W051B generally references production techniques, equipment, and specific munitions items. It is highly encouraged that Airmen complete the 5-skill level CDC within one year in order to be upgraded within prescribed and anticipated timelines. Experience is mandatory in performing functions such as warehousing, accounting, mechanical assembly, electronics, transportation of munitions, use of hand tools, and preparing and maintaining documentation and records for inventory management actions involving manual or automated systems or both. The 12-month OJT requirement is pre-established period required for trainees to continue gaining experience, increasing task proficiency, and enhancing knowledge competency required to execute additional responsibilities levied upon Journeymen. Once upgraded to the 5-skill level, a Journeyman will enter into experience-based career-broadening continuation training. 2W051 personnel will be assigned positions commensurate with their rank, abilities, and experience. Individuals will use their Career Development Course (CDC) to prepare for Weighted Airman Promotion System (WAPS) testing. 2W051 personnel are highly encouraged to consider continuing their education toward the award of an Associate's or higher-level degree from a nationally or regionally accredited institution. Journeyman that meet the minimum upgrade and rank requirements will pursue qualification in all 7-level core tasks identified in the CFETP, tasks identified in the Master Training Plan (MTP) as 2W071 upgrade tasks (UGT) for the duty position, and attend AFCOMAC's Combat Ammunition Planning and Production (CAPP) course prior to being awarded a 7-skill level.

B2.3. Craftsman Level (7). Qualification in and possession of AFSC 2W051, 12 months OJT, AFCOMAC and 7 level core tasks. Also, experience is mandatory in supervising or performing functions such as receipting, identifying, inspecting, storing, reconditioning, issuing, delivering, maintaining, testing, and assembling guided and unguided munitions; or preparing and maintaining documentation and records for inventory management actions. Craftsmen can expect to fill various supervisory positions within an organization. They may also be assigned to work in staff positions at squadron, group, wing, or MAJCOM levels. Our 7-skill level munitions personnel are highly encouraged to continue academic educational pursuits through Associate's or higher-level degree programs.

B2.4. Superintendent Level (9). Qualification in and possession of AFSC 2W071 and AFCOMAC as a SNCO. As of 1 January 2019 the Advanced Munitions System (J3AAR2W091 047A) or successor course will be a requirement to obtain the 9 skill level. Also, experience is mandatory in managing functions such as accountable munitions material operations; munitions storage, maintenance, and assembly functions; munitions inspection; equipment maintenance; line delivery and handling functions; computing levels; automated data processing; or maintaining munitions material management accounts. 9-skill level munitions managers can be expected to fill supervisory and

management positions within an organization. They should also strive to gain experience in all major functional divisions of the Munitions Storage Area commonly referred to as *Systems, Materiel and Production*, and should seek additional training in budget, manpower, resources, and personnel management through continuing education programs. They may also be assigned to work in staff positions at squadron, group, wing, or command levels. Completion of Associate's or higher-level degree program from any regionally or nationally accredited academic institution is mandatory for promotion to SMSgt.

B2.4.1 AFCOMAC. SMSgts and CMSgts are listed on an AFCOMAC CAPP roster in order to accurately track and schedule senior enlisted members for attendance. These selected individuals are expected to attend AFCOMAC CAPP when scheduled in order to ensure proper class structure and appropriate training of all attendees is accomplished.

B2.5 Munitions Badge Criteria.

Basic Badge: is awarded after the successful graduation of The Apprentice Munitions Systems Specialist course, coupled with the award of the 5 skill level, review, approval, and certification by the assigned munitions squadron (or flight) chief and final approval by the commander. Document and process an AF Form 2096.

Senior Badge: is awarded after 6 years of performing in munitions related positions; certification as a munitions crew chief, the award of the 7 skill level and review, approval, and certification by the assigned munitions squadron (or flight) chief and final approval by the commander. Document and process an AF Form 2096.

Master Badge: is awarded after 10 years of performing in munitions coded positions, the award of the 9 skill level, meeting all requirements for the senior badge, and review approval, and certification by the assigned munitions squadron (or flight) chief and final approval by the commander. Document and process an AF Form 2096.

B2.6 Missile Maintenance Badge Criteria.

Basic Badge: is awarded after: completion of Apprentice Munitions Systems Specialist course and 12 months working directly with guided missiles or missile systems, and review approval, and certification by the assigned munitions squadron (or flight) chief and final approval by the commander. Document and process an AF Form 2096.

Senior Badge: is awarded after: award of the 7-skill level, and 48 months cumulative experience in direct work with guided missiles or missile systems, and review approval, and certification by the assigned munitions squadron (or flight) chief and final approval by the commander. Document and process an AF Form 2096.

Master Badge: is awarded after: MSgt or above with 5 years in the specialty from award of the 7-skill level and 60 months cumulative experience in direct work with guided missiles or missile Systems, and review approval, and certification by the assigned munitions squadron (or flight) chief and final approval by the commander. Document and process an AF Form 2096.

B2.7 Maintenance Badge Criteria

Basic Badge: The wear of the basic badge is authorized after award of the 5-skill level.

Senior Badge: The wear of the senior badge is authorized after award of the 7-skill level.

Master Badge: The wear the master badge is authorized after award of the 9-skill level.

B3. Training Decisions. Training decisions are made during the Specialty Training Requirements Team (STRT) meeting and finalized during the Utilization and Training Workshop (U&TW). Functional managers utilize survey data in the decision making process. Supervisors must understand the importance of surveys and ensure completion in a timely manner. The AFCFM, in conjunction with MFMs and Subject Matter Experts (SME), work with curriculum developers from the 363d Training Squadron, Sheppard AFB, to develop munitions systems training processes. Changes to the process, including this CFETP, the STS, AFJQS, CDCs, and formal course content, will be processed via local 2W0X1 supervision and forwarded to the MFM for coordination and consideration. The MFMs forward their recommendation to the AFCFM for coordination and approval.

Note: The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the 2W0X1 AFSC. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy is apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training.

Note: Section 20 (Vehicles) will remain in the CFETP to ensure technical school trainees receive orientation training with primary vehicles. However, there is no requirement to sign off personnel in this section at an operating base; this is accomplished through the Vehicle Licensing process.

B3.1. Initial Skills. There are currently no new initial skills requirements.

B3.2. 5-Level Upgrade Requirements. There are currently no new 5-level requirements.

B3.3. 7-Level Upgrade Requirements. There are currently no new 7-level requirements.

B3.4. 9-Level Upgrade Requirements. As of 1 January 2019 the Advanced Munitions Systems or successor course (J3AAR2W091 047A) is a requirement to obtain the 9 skill level.

B4. Community College of the Air Force (CCAF). CCAF is one of several federally chartered degree-granting institutions; however, it is the only 2-year institution exclusively serving military enlisted personnel. The college is regionally accredited through Air University by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) to award Associate of Applied Science (AAS) degrees designed for specific Air Force occupational specialties and is the largest multi-campus community college in the world. Upon completion of basic military training and assignment to an AF career field, all enlisted personnel are registered in a CCAF degree program and are afforded the opportunity to obtain an Associate in Applied Science degree. In order to be awarded, degree requirements must be successfully completed before the student separates from the Air Force, retires, or is commissioned as an officer. See the CCAF website for details regarding the AAS degree programs at https://www.airuniversity.af.edu/Barnes/CCAF.

B4.1. Munitions Systems Technology Degree Requirements. All enlisted airmen are automatically entered into the CCAF program. At least the 5 kill level must be held at the time of graduation. A minimum of 15 semester hours of CCAF institutional credit must be applied to graduate and can be fulfilled through technical education. Additionally, the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
General Education	15
Program Elective	15
	Total: 60

B4.1.1. Technical Education (24 Semester Hours): Completion of the career field apprentice course satisfies some semester hours of the technical education requirements. A minimum of 9 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses. Some academic degree programs have specific technical education requirements. Refer to the CCAF General Catalog for specific degree requirements for this specialty.

B4.1.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and civilian management courses accepted in transfer and/or by testing credit.

B4.1.3. General Education (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the general education requirements and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

B4.1.4. Program Elective (15 Semester Hours): Satisfied with applicable technical education; Leadership, Management, and Military Studies; or natural science courses meeting general education requirement application criteria; or foreign language credit earned at Defense Language Institute. A maximum of 9 semester hours of CCAF degree applicable technical credit otherwise not applicable to the program of enrollment may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

B4.2. Professional Certifications. Certifications assist the professional development of our Airmen by broadening their knowledge and skills. Additionally, specific certifications may award collegiate credit by CCAF and civilian colleges, saving time and Air Force tuition assistance funds. It also helps airmen to be better prepared for transition to civilian life. To learn more about professional certifications and credentialing programs offered by CCAF, visit https://www.airuniversity.af.edu/Barnes/CCAF/Display/Article/803252/. In addition to its associate degree program, CCAF offers the following certification programs and resources:

B4.2.1. CCAF Instructor Certification (CIC) Program. CCAF offers the three-tiered CIC Program for qualified instructors teaching at CCAF affiliated schools who have demonstrated a high level of professional accomplishment. The CIC is a professional credential that recognizes the instructor's extensive faculty development training, education and qualification required to teach a CCAF course, and formally acknowledges the instructor's practical teaching experience.

Note: AFCOMAC Cadre must possess a degree in Munitions Systems Technology before the award of the 'T2W0X1' AFSC.

B4.2.2. CCAF Instructional Systems Development (ISD) Certification Program. CCAF offers the ISD Certification Program for qualified curriculum developers and managers who are formally assigned at CCAF affiliated schools to develop and manage CCAF collegiate courses. The ISD Certification is a professional credential that recognizes the curriculum developer or manager's extensive training, education, qualifications and experience required to develop and manage CCAF courses. The certification also recognizes the individual's ISD qualifications and experience in planning, developing, implementing and managing instructional systems.

B4.3. Air Force Credentialing Opportunities On-Line (AF COOL). The AF COOL Program (https://afvec.us.af.mil/afvec/af-cool/welcome) is managed by CCAF and provides a research tool designed to increase an Airman's awareness of national professional credentialing and funding opportunities available for all Air Force occupational specialties. AF COOL also provides information on specific occupational specialties, civilian occupational equivalencies, AFSC-related national professional credentials, credentialing agencies, and professional organizations. AF COOL contains a variety of information about credentialing and licensing and can be used to:

- Get background information about civilian licensure and certification in general and specific information on individual credentials including eligibility requirements and resources to prepare for an exam.

- Identify licenses and certifications relevant to an AFSC.

- Learn how to fill gaps between Air Force training and experience and civilian credentialing requirements.

- Get information on funding opportunities to pay for credentialing exams and associated fees.

- Learn about resources available to Airmen that can help them gain civilian job credentials.

B4.4. My Vector. All personnel are encouraged to setup a MyVector profile through the Air Force Portal. (https://myvector.us.af.mil/myvector) The Mentoring network allows mentees to manage their career development with the input and guidance from a mentor. Mentees will be able to, in real-time, invite participants to serve as mentors, select mentors based on preferences, chat with their mentor online, and complete a mentoring plan. Career Planning allows the user to view their duty experience through career field specific experience codes. This structure also allows the user to build career plans based on real opportunities and to share these career plans with development teams and mentors. A bullet-tracker option allows the user to track specific events and accomplishments throughout the year for performance reports. Knowledge Sharing provides discussion forums and links to resources for online books and courses that discuss mentoring benefits, the differences between coaching and mentoring and techniques for managing mentoring relationships. Use your Common Access Card to quickly setup a profile and get started.

B4.5. Enlisted Development Teams (DT). The 2W0 DT is the deliberate force development steering group for the 2W0 career field. The 2W0 DT outlines the training, education, and experience requirements for key leadership positions (KLPs) within the munitions career path. Additionally, this DT provides recommendations to ensure the best-qualified Senior Noncommissioned Officers (SNCOs) are developed and placed into these KLPs at the unit, MAJCOM, and HQ AF levels. The guidelines and vectors are the 2W0 DT's collective recommendation for experience level, training, education, or position type that an individual can be considered for or should seek for additional professional growth. These vectors also consist of recommendations for identified positions with the 2W0 construct for which a member should seek out in subsequent assignments; however, it will not

identify a specific location of assignment. The AFRC DT process is member initiated by completing the Development Plan through MyVector. Vectors will be delivered to all SNCO's completing their Development Plan and a cutoff will be established to develop a Key Personnel List by the DT board.

B4.5.1. DT Purpose, Objective and Goal. The purpose of the DT is to define and integrate the processes required to develop MSgt, SMSgt and CMSgt 2W0s to meet current and future AF requirements and emphasizes educational and training opportunities. The objective is to deliberately develop MSgt, SMSgt and CMSgt 2W0s through a carefully tailored series of experiences and challenges combined with education and training opportunities. The goal is to produce dynamic 2W0 leaders to lead and manage conventional munitions operations during peacetime and conflict.

B4.5.2. 2W0XX DT policy and guidance can be found on the HAF AMMO SharePoint: https://usaf.dps.mil/teams/AMMO2W10027/SitePages/Home.aspx

Table B5. Enlisted Development Teams and Vectoring			
Rank	Ve	Position/Duty Title	Prerequisites
MSgt	1	MAJCOM/NAF Action Officer	1 year each experience in Production, Materiel and Systems related areas (elements, any position)
			1 year NCOIC experience
	2	GACP APF or Cell Manager/Security Forces Center Munitions Manager	1 year each experience in Production, and Materiel related areas
			1 year NCOIC experience
			MASO or 1 year NCOIC, Muns Ops experience (APF Manager/SF Center only)
			1 year Munitions Operations experience
	3	AFCOMAC Cadre	Deployment (minimum 100 days) within 5 years
			Multiple MDS experience
	4	Select MASO Positions	MASO or 1 year NCOIC, Muns Ops experience
			1 year Systems experience
			1 year Materiel experience
			1 year NCOIC experience
			1 year Time in Grade
	5	MAJCOM IG	1 year each experience in Production, Materiel and Systems related areas (elements, any position)
			1 year NCOIC experience
			1 year Munitions Operations experience
	6	MAJCOM/NAF Weapons Safety	1 year each experience in Production and Materiel related areas
			2 years Wing Weapons Safety experience (Requires 375 SEI. See L3AZR2W071 0C2A, Weapons Safety Management Course, in table D1.2. Formal Training Courses)
	7	Continual Career Progression	These are positions which continue the member's 2W071 career progression, those currently serving in developmental positions, or members assigned outside the 2W0X1 career field.

SMSgt	1	**MAJCOM Functional Manager (MFM) (AMC/AETC)**	**1 year each experience in Production, Materiel and Systems related areas (elements, any position)**
			1 year NCOIC experience
			1 year as MASO or NCOIC, Muns Ops
			1 year Section Chief (Flt) or Flight Chief (Sq) experience
			1 year Time in Grade
			Deployment (minimum 100 days) within 5 years
	2	**Cmd Muns Mgr (AOs at MAJCOM Level) or Key Muns Flt Chief/Superintendent Positions (Welford, Creech)**	**1 year each experience in Production, Materiel and Systems related areas (elements, any position)**
			1 year NCOIC experience
			Deployment (minimum 100 days) within 5 years
	3	**MAJCOM IG**	**1 year each experience in Production, Materiel and Systems related areas (elements, any position)**
			1 year NCOIC experience
			QA/WIT/EET experience
			1 year Munitions Operations experience
			Deployment (minimum 100 days) within 5 years
	4	**GACP Ops and Readiness Manager**	**1 year each experience in Production and Materiel**
			1 year NCOIC experience
			MASO or 1 year NCOIC, Muns Ops experience
			Deployment (minimum 100 days) within 5 years
			1 year Time in Grade
	5	**AFCOMAC Curriculum Flight Chief**	**1 year each experience in Production, Materiel and Systems related areas (elements, any position)**
			1 year NCOIC experience
			Deployment (minimum 100 days) within 5 years
			2 years Conventional Maintenance experience
	6	**AETC Superintendent (363 TRS School House)**	**1 year each experience in Production and Materiel**
			1 year Time in Grade
			1 year NCOIC experience
			MASO or 1 year NCOIC, Muns Ops experience
	7	**Continual Career Progression**	**These are positions which continue the member's 2W091 career progression, those currently serving in developmental positions, or members assigned outside the 2W0X1 career field.**

CMSgt	**1**	**Air Force Career Field Manager (AFCFM)**	**1 year as Munitions Squadron Superintendent or Flight Chief (2W000 Billet) as a Chief or Chief Select**
			MAJCOM experience as a SNCO
			Deployment experience (minimum 100 days) as a SNCO within the last 10 years
			Top Secret Security Clearance
			2 years Time in Grade
	2	**MAJCOM Functional Manager (MFM)**	**1 year as Munitions Squadron Superintendent or Flight Chief (2W000 billet) as a Chief or Chief Select**
			MAJCOM, NAF, IG or GACP experience as a SNCO
			Deployment experience (minimum 100 days) as a SNCO within the last 10 years
			1 year Time in Grade
	3	**AFCENT Chief of Munitions/Munitions Sustainment Division Superintendent (GACP Chief)**	**1 year as Munitions Squadron Superintendent or Flight Chief (2W000 billet) as a Chief or Chief Select**
			Deployment experience (minimum 100 days) as a SNCO within the last 10 years
	4	**Air Force Combat Ammunition Center (AFCOMAC) Superintendent**	**1 year as Munitions Squadron Superintendent or Flight Chief (2W000 billet) as a Chief or Chief Select**
			Deployment experience (minimum 100 days) as a SNCO within the last 10 years
	5	**Key Munitions Superintendent/Flight Chief positions**	**1 year as Munitions Squadron Superintendent or Flight Chief (2W000 billet) as a Chief or Chief Select**
			Top Secret Security Clearance
	6	**Continual Career Progression**	**These are positions that continue the 2W000 career progression and meet the needs of the Air Force**

Note 1. This should be used as a guide in conjunction with the Enlisted Career Field Path in Table B6 to achieve career goals and meet EDT experience requirements for key munitions leadership positions.

B6. Enlisted Career Field Path.

Rank	Upgrade Training	Professional Development (Note 1)	Career Ladder (Note 2)
AB, Amn, A1C	3-Level Apprentice - Complete Initials Skills Crs	- FTAC - CDCs	- Technician
SrA	5-Level Journeyman - 12 months OJT (Retrainee 9 mo OJT) - Complete CDC - Complete Core Tasks	- PME - Train the Trainer	- Technician - Supervisor - Crew Chief - Inspector

Rank	Skill Level	Training	Positions
SSgt	7-Level Craftsman - Minimum rank of SSgt - 12 mos OJT - Complete AFCOMAC	- PME - NCOPE - CCAF - Train the Trainer - Instructor Certification	- Crew Chief - Supervisor - Inspector - NCOIC - Quality Assurance Evaluator - Tech Training Instructor
TSgt	- Complete Core Tasks	- PME - NCOPE - CCAF	- NCOIC - Section Chief - Production Supervisor - Shift Supervisor - Quality Assurance Evaluator - Weapons Safety Manager - Tech Training Instructor - AFCOMAC Instructor
MSgt	7-Level Craftsman	- PME SNCO Induction Crs - SNCOA - CCAF - Senior Enlisted Joint PME	- MASO - Section Chief - Flight Chief - MAJCOM Munitions Manager - Quality Assurance Evaluator - Weapons Safety Manager - AFCOMAC Instructor
SMSgt	9-Level Superintendent - Complete AFCOMAC as a SNCO - Complete Advanced Munitions System course (Ref para B2.4.)	- PME - SNCOA - CCAF - Senior Enlisted Joint PME	- MASO - Section Chief - Flight Chief - MAJCOM Functional Mgr
CMSgt	Chief Enlisted Manager (CEM)	- PME - CCAF - Chief Leadership Course	- Flight Chief - Squadron Superintendent - MAJCOM Functional Mgr - Career Field Mgr

Note 1. This should be used as a guide to expand knowledge/increase functional skills.

Note 2. This should be used as a guide (not all encompassing) to provide supervisors and members an idea of what positions they should be striving for to gain experience as they progress through the grade and skill levels.

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

C1. 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 core task table of this CFETP. The 2W0 AFCFM has established a core task table that specifically meets the needs of the 2W0 community. Use Section A core task table in Part II to determine core

tasks required for upgrade. Additional tasks identified in the Master Training Plan as 5- or 7-level upgrade tasks (UGT) for the assigned duty position are also required. Work center tasks identified in the MTP as Proficiency or Continuation Training are not required for skill-level upgrade.

C2. Specialty Qualifications

C2.1. Apprentice Level Training (3-Level):

C2.1.1. Knowledge. Mandatory knowledge of: composition and characteristics of munitions; storage, safety, security, environmental requirements and procedures; fusing and arming systems; technical drawings; precision measuring tools and equipment; wiring diagrams; handling, use, and disposition for nonhazardous materials; munitions materiel accounting systems; basic mathematics; policies and procedures for accountability and pecuniary liability; techniques of munitions materiel management and procurement; Air Force property accounting; munitions policies and procedures; inventory and stock control; preparing and maintaining munitions records and documents; procedures for hazardous and nonhazardous materials; and procedures for assets turn in.

C2.1.2. Education. For entry into this specialty, completion of high school or General Education Development equivalency is mandatory.

C2.1.3. Training. 2W031. Completion of a basic munitions systems course.

C2.1.4. Experience. N/A

C2.1.5. Other. For entry, award, and retention of these AFSCs trainees must have the following: normal color vision as defined in DAFMAN 48-123, *Medical Examination and Standards*; no record of emotional instability; normal depth perception as defined in DAFMAN 48-123. Must possess a valid state driver's license to operate government motor vehicles (GMV) in accordance with AFI 24-301, *Ground Transportation*. Never been convicted of domestic violence IAW *The Lautenberg Amendment to the Gun Control Act of 1968* and AFI 31-117, *Arming and Use of Force by Air Force Personnel*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2W0XX, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFMAN 16-1405, *Air Force Personnel Security Program*. For award and retention into this specialty, trainees must maintain local network access IAW AFMAN 17-1301, *Computer Security (COMPUSEC).*

Note: Award of the 3-skill level without a completed NACLC is authorized provided an interim Secret security clearance has been granted according to AFMAN 16-1405.

C2.1.6. Training Sources and Resources. Technical school at Sheppard AFB provides basic knowledge and skills necessary for award of the 3-skill level.

C2.1.7. Implementation. Students are awarded a 3-skill level upon successful completion of the Munitions Systems Apprentice Course, J3ABR2W031 0A0C, or successor course.

C2.2. Journeyman Level Training (5-Level):

C2.2.1. Knowledge. Mandatory knowledge of: composition and characteristics of munitions; storage, safety, security, environmental requirements and procedures; fusing and arming systems;

technical drawings; precision measuring tools and equipment; wiring diagrams; handling, use, and disposition for nonhazardous materials; munitions materiel accounting systems; basic mathematics; policies and procedures for accountability and pecuniary liability; techniques of munitions materiel management and procurement; Air Force property accounting; munitions policies and procedures; inventory and stock control; preparing and maintaining munitions records and documents; procedures for hazardous and nonhazardous materials; and procedures for assets turn in.

C2.2.1.1 Fundamental knowledge of: computer hardware, software installation, configuration, mobile operation systems, familiarity with networking technologies, media, topologies, security, installation and configurations, security concepts, threats and vulnerabilities, access control, identity management, and cryptography.

C2.2.2. Education. For entry into this specialty, completion of high school or General Education Development equivalency is mandatory.

C2.2.3. Training. 2W051. Completion of the 2W051 CDC and 12 months of OJT (minimum of 9 months for retrainees).

C2.2.4. Experience. Qualification in and possession of AFSC 2W031. Also, experience is mandatory in performing functions such as warehousing, accounting, mechanical assembly, electronics, transportation of munitions, use of hand tools, and preparing and maintaining documentation and records for inventory management actions involving manual or automated systems or both.

C2.2.5. Other. For entry, award, and retention of these AFSCs trainees must have the following: normal color vision as defined in DAFMAN 48-123, *Medical Examination and Standards*; no record of emotional instability; normal depth perception as defined in DAFMAN 48-123. Must possess a valid state driver's license to operate government motor vehicles (GMV) in accordance with AFI 24-301, *Ground Transportation*. Never been convicted of domestic violence IAW *The Lautenberg Amendment to the Gun Control Act of 1968* and AFI 31-117, *Arming and Use of Force by Air Force Personnel*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2W0XX, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFMAN 16-1405, *Air Force Personnel Security Program*. For award and retention into this specialty, trainees must maintain local network access IAW AFMAN 17-1301, *Computer Security (COMPUSEC).*

C2.2.6. Training Sources and Resources. Supervisors are responsible for ensuring trainees enroll and complete the CDC 2W051 course. CDCs provide much of the knowledge necessary for upgrade training. The supervisor and trainer provide qualification training by assigning a trainee to a duty position and using the STS to determine qualification tasks to be trained.

C2.2.7. Implementation. The 5-skill level is awarded to individuals that meet the requirements of the 2W0X1 Enlisted Career Field Path.

C2.3. Craftsman Level Training (7-Level):

C2.3.1. Knowledge. Mandatory knowledge of: composition and characteristics of munitions; storage, safety, security, environmental requirements and procedures; fusing and arming systems; technical drawings; precision measuring tools and equipment; wiring diagrams; handling, use, and

disposition for nonhazardous materials; munitions materiel accounting systems; basic mathematics; policies and procedures for accountability and pecuniary liability; techniques of munitions materiel management and procurement; Air Force property accounting; munitions policies and procedures; inventory and stock control; preparing and maintaining munitions records and documents; procedures for hazardous and nonhazardous materials; and procedures for assets turn in.

C2.3.2. Education. For entry into this specialty, completion of high school or General Education Development equivalency is mandatory.

C2.3.3. Training. 2W071. Completion of the Air Force Combat Ammunition Planning and Production course (PDS code 8RM) and 12 months OJT.

C2.3.4. Experience. Qualification in and possession of AFSC 2W051. Also, experience is mandatory in supervising or performing functions such as receiving, identifying, inspecting, storing, reconditioning, issuing, delivering, maintaining, testing, and assembling guided and unguided munitions; or preparing and maintaining documentation and records for inventory management actions.

C2.3.5. Other. For entry, award, and retention of these AFSCs trainees must have the following: normal color vision as defined in DAFMAN 48-123, *Medical Examination and Standards*; no record of emotional instability; normal depth perception as defined in DAFMAN 48-123. Must possess a valid state driver's license to operate government motor vehicles (GMV) in accordance with AFI 24-301, *Ground Transportation*. Never been convicted of domestic violence IAW *The Lautenberg amendment to the Gun Control Act of 1968* and AFI 31-117, *Arming and Use of Force by Air Force Personnel*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2W0XX, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFMAN 16-1405, *Air Force Personnel Security Program*. For award and retention into this specialty, trainees must maintain local network access IAW AFMAN 17-1301, *Computer Security (COMPUSEC).*

C2.3.6. Training Sources and Resources. The supervisor and trainer provide qualification training by assigning a trainee to a duty position and using the STS to determine qualification tasks to be trained. AFCOMAC CAPP is developed and maintained by the 9th Munitions Squadron located at Beale AFB, CA. Additional courses are listed in CFETP Part II, Training Course Index.

C2.3.7. Implementation. The 7-skill level is awarded to individuals that meet the requirements of the 2W0X1 Enlisted Career Field Path.

C2.4. Superintendent Level Training (9-Level):

C2.4.1. Knowledge. Mandatory knowledge of: composition and characteristics of munitions; storage, safety, security, environmental requirements and procedures; fusing and arming systems; technical drawings; precision measuring tools and equipment; wiring diagrams; handling, use, and disposition for nonhazardous materials; munitions materiel accounting systems; basic mathematics; policies and procedures for accountability and pecuniary liability; techniques of munitions materiel management and procurement; Air Force property accounting; munitions policies and procedures; inventory and stock control; preparing and maintaining munitions records and documents; procedures for hazardous and nonhazardous materials; and procedures for assets turn in.

C2.4.2. Education. For entry into this specialty, completion of high school or General Education Development equivalency is mandatory.

C2.4.3. Training. 2W091. Completion of the Advanced Munitions Systems J3AAR2W091 047A or successor course. Completion of the Air Force Combat Ammunition Planning and Production course (PDS code 8RM) as a Senior NCO.

C2.4.4. Experience. Qualification in and possession of AFSC 2W071. Also, experience is mandatory in managing functions such as accountable munitions materiel operations; munitions storage, maintenance, and assembly functions; munitions inspection; equipment maintenance; line delivery and handling functions; computing levels; automated data processing; or maintaining munitions material management accounts.

C2.4.5. Other. For entry, award, and retention of these AFSCs trainees must have the following: normal color vision as defined in DAFMAN 48-123, *Medical Examination and Standards*; no record of emotional instability; normal depth perception as defined in DAFMAN 48-123. Must possess a valid state driver's license to operate government motor vehicles (GMV) in accordance with AFI 24-301, *Ground Transportation*. Never been convicted of domestic violence IAW *The Lautenberg Amendment to the Gun Control Act of 1968* and AFI 31-117, *Arming and Use of Force by Air Force Personnel*. Specialty requires routine access to Secret material or similar environment. For award and retention of AFSCs 2W0XX, completion of a current National Agency Check, Local Agency Checks and Credit (NACLC) according to AFMAN 16-1405, *Air Force Personnel Security Program*. For award and retention into this specialty, trainees must maintain local network access IAW AFMAN 17-1301, *Computer Security (COMPUSEC).*

C2.4.6. Training Sources and Resources. AFCOMAC CAPP is developed and maintained by the 9th Munitions Squadron located at Beale AFB, CA.

C2.4.7. Implementation. The 9-skill level is awarded to individuals that meet the requirements of the 2W0X1 Enlisted Career Field Path.

SECTION D - RESOURCE CONSTRAINTS

D1. Resource Constraints. There are currently no resource constraints.

Section E – Transitional Training Guide

E1. Transitional Training Guide. There is currently no transition training requirement.

PART II

SECTION A - SPECIALTY TRAINING STANDARDS

A1. Implementation. Class start dates are documented in the AETC mandated course development and course control document system.

A2. Purpose. This STS defines the technical training requirements for in-resident and non- resident upgrade courses and non-AFSC awarding supplemental courses. This STS is also the job qualification standard when placed in AF Form 623, *Individual Training Record Folder*, and used according to AFI 36-2670, *Total Force Development*. For OJT, the tasks in column 1 are trained and qualified to the "go/no go" level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct use of procedures.

A2.1. Column 1-2 (Tasks, knowledge, and Technical References) Lists the most common tasks, knowledge, and technical references (TR) necessary for Airmen to perform in the 3, 5 and 7- skill levels. These are based on an analysis of the duties in this CFETP. The task statements are numbered sequentially (i.e., 1, 1.1, 1.2. 2, 2.1, etc.).

A2.2. Column 3 (Core Tasks) Defined by either a 5 or 7 and identify the appropriate level of training requirements for the award of the 2W051 and 2W071 AFSC. Due to the diversity of the 2W0 specialty, all core tasks for the career field are required for upgrade. Core tasks with an ^ require third party certification.

A2.3. Column 4-5 (Course Proficiency Codes) Shows formal training and correspondence course requirements. It indicates the proficiency to be demonstrated on the job by the graduate as a result of training on the task/knowledge provided by the corresponding course. Note: When two codes are used, the first code (the code to the left of the "/") is the established requirement for resident training on the task/knowledge, and the second code (the code to the right of the "/") indicates the level of training provided in the course due to resource constraints.

A2.4. Documentation. Document training IAW AFI 36-2670, Chapter 4, AFI 36-2650, and the *TBA Application User's Guide*. Supervisors, trainers, and trainees must ensure all training documentation is contained within an Airman's Individual Training Plan (ITP).

A3. Upgrade Qualification Procedures. All 5-skill level trainees must be qualified on 5-skill level core tasks identified in the core task table as well as tasks identified in the MTP. All 7-skill level trainees must be qualified in core tasks identified in the core task table, tasks identified in the MTP, and attend AFCOMAC's CAPP course. All 9-skill level trainees must complete the Advanced Munitions Systems J3AAR2W091 047A or successor course and attend AFCOMAC's CAPP course as a SNCO.

A4. Promotion Testing. The STS is utilized as a guide for development of the Specialty Knowledge Test (SKT) portion of promotion tests used in the Weighted Airman Promotion System (WAPS). The SKT is developed at the USAF Airman Advancement Division by Senior NCOs with extensive subject matter area knowledge judged by test development team members to be the most appropriate for promotion to higher grades. Questions are based on the study references listed in the WAPS catalog. Individual responsibilities are in Chapter 3 of AFMAN 36-2664, *Personnel Assessment Program*. The WAPS is not applicable to the Air National Guard and Reserve.

Core Task Table	5-Level	7-Level
All Functional Areas	1.1, 1.2, 2.3.1, 2.3.2, 2.3.4, 2.3.5, 3.3, 3.4, 3.6.1, 3.6.2, 3.6.3, 4.1.2, 5.7.1 5.7.2, 5.7.5, 5.7.6, 5.7.7, 7.1.6, 7.2.1, 7.2.6.2, 8.5.1, 8.5.2, 8.5.4, 8.5.5, 9.5, 10.1, 10.6.2, 12.1.1, 12.7.1, 12.7.5, 15.6, 15.8.1, 15.8.3, 15.8.6, 15.11, 15.12, 18.1, 18.2, 18.3, 18.5, 18.6, 21.1.1, 21.1.2, 21.1.3	5.5, 5.6.1, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 8.5.3, 8.7.1, 8.7.2, 8.7.3, 8.9.3, 9.7, 10.2.1, 13.1, 13.3

Note 1: Core Task 10.2.1. Does not apply to non-aircraft/flying units.

A5. Qualitative Requirements. This attachment contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

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 only help 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. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- 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 the course columns to show that training is required but not given due to limitations in resources.

Note: All tasks and knowledge items shown with a proficiency code are trained during war time.

A6. Documentation. Documentation procedures are provided in AFI 36-2670.

A6.1. AFCFM is authorized by AFI 36-2670, to designate core tasks that require third-party certification. Third-party certification is required for tasks identified with an ^ in the 5/7-level Core Task column.

A6.2. Mission-critical maintenance tasks or tasks with definite potential for personnel injury or damage should be documented on Special Certification Roster (SCR) as outlined in AFI 21-101, *Aircraft and Equipment Maintenance Management*.

A6.3. Use AFMAN 21-204, *Nuclear Weapons Maintenance*, for certification requirements associated with nuclear weapons tasks.

A7. Recommendations for Feedback on the Product or Process. All questions or change recommendations will be routed through the respective MFM. MFMs report inadequacies and suggested corrections for this STS through the OPR 363 TRS/TRR, Sheppard AFB, TX.
Supervisors and trainees will use the Customer Service Line (DSN: 736-4147) or email 82TRG.CSIL@us.af.mil to report training deficiencies identified during initial evaluation.

SECTION B – COURSE OBJECTIVE LIST (COL)

B1. COL. There is currently no COL requirements, this area is reserved.

SECTION C - SUPPORT MATERIALS

C1. Support Materials: This section of the CFETP lists available support materials such as Qualification Training Package (QTP); computer based instruction (CBI); computer based training (CBT); computer assisted instruction (CAI); and correspondence courses for the 2W0X1 AFSC.

C1.1. Education & Training Course Announcements (ETCA). Support material Courses are listed on the ETCA site. Utilizations of these courses are dependent on the mission and individual unit requirements, and are often subject to change. Members searching for munitions related courses should contact their unit Munitions Training Manager or for the current list, visit: https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx

C1.2. U.S. Army Defense Ammunition Center and School Courses are listed at the Directorate for Education catalog site. Announcements are subject to change. A number of distance learning training courses are also available thru the Defense Ammunition Center. A sample is listed below. For the current list, visit: http://www.dactces.org/

C1.3. Air Force Career Development Academy (AFCDA) Courses are listed at: https://usaf.dps.mil/sites/aetc-ksl-2af/A3/2%20AF%20A3%20AFCDA/SitePages/Home.aspx

C1.4. Qualification Training Packages are listed at: https://usaf.dps.mil/teams/AMMO2W10027/Tools%20%20Guides/Forms/AllItems.aspx

C1.4.1. Munitions Inspector Qualification and Certification

C1.4.1.1. This document establishes minimum training and certification requirements for personnel seeking inspector certification. It is not designed to meet inspector familiarization training for personnel who require inspection knowledge but will not be certified (i.e. Storage personnel); local programs must cover that requirement. Its primary objective centers on establishing an Air Force standard to equip munitions inspectors with the knowledge to effectively perform munitions inspections. This program is designed to increase munitions safety and inspection programs awareness, technical knowledge and operational proficiency of munitions technicians (military, civilian service and contractors) performing inspector duties.

C1.4.1.2. Applicability. This package applies to all personnel involved with the inspection of munitions. This includes Department of the Air Force civil service employees (permanent and temporary), contractors and military personnel (RegAF, guard and reserve).

C1.4.1.3. Recertification will be performed every 12 months after initial certification at the discretion of the Senior Munitions Inspector and documented in IMDS (27028)/GO81 (SAFE 00539), or other suitable documentation standardized across the unit.

C1.4.2. Crew Chief Qualification and Certification

C1.4.2.1. This training plan establishes minimum training and certification requirements for personnel seeking crew chief certification. It is not designed to meet specific requirements for individual bases and or work centers. This training plan is to be used in conjunction with the 2W0X1 Career Field Education and Training Plan (CFETP) to qualify and certify personnel appointed to perform munitions crew chief duties IAW DAFMAN 21-201, *Munitions Management*, and local operating instructions. Its primary objective centers on establishing an Air Force standard to equip munitions crew chiefs with the knowledge to effectively perform munitions crew chief operations. This program is designed to increase munitions safety and operational awareness, technical knowledge and operational proficiency of munitions technicians (military, civilian service and contractors) while performing crew chief duties. This AFQTP must be used in its entirety to train and certify all personnel performing crew chief duties.

C1.4.2.2. This package applies to all personnel who perform crew chief duties regardless of crew size. This includes Department of the Air Force civil service employees (permanent and temporary), contractors and military personnel (RegAF, guard and reserve).

C1.4.2.3. Recertification will be performed every 15 months IAW Crew Chief AFQTP.

Section D - Training Course Index

D1. Training Course Index. This section of the CFETP lists all mandatory AF in-residence, field, AFCDA, and exportable courses used to support. List all advanced/supplemental courses and tie to a specific requirement in the CFETP (certification, upgrade training, equipment, assignment, etc.) for the 2W0X1 AFSC. For recert requirements, use the AFQTP.

D1.1. Training Course Index. The Training Course index is listed on the Education & Training Course Announcements (ETCA) site. Utilizations of these courses are dependent on the mission and individual unit requirements, and are often subject to change. Members searching for munitions related courses should contact their unit Munitions Training Manager or for the current list, visit: https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx

D1.2. Formal Training Courses

COURSE NUMBER	TITLE	NOTES
J3ABR2W031 0A0C	Munitions Systems Apprentice	Course Completion is required for the award of the 3-Level.

D1.3. Mission Readiness Training

COURSE NUMBER	TITLE	NOTES
J3AZR2W051 047B	Munitions Inspection (In-Residence)	Required for Senior Munitions Inspector IAW DAFMAN 21-201.
J7AZT2W051 047B	Munitions Inspection (Mobile Training Team)	Required for Senior Munitions Inspector IAW DAFMAN 21-201.
J3AZR2WXXX 047B	Munitions Accountable Systems Officer-MASO	Required for appointment to MASO in lieu of experience requirements IAW DAFMAN 21-201.
J3AAR2W091 047A	Advanced Munitions Systems	Required for award of 9 skill level
L3AZR2W071 0C2A	Weapons Safety Management Course	
ACC AFCOMAC 7	ACC 7 Lvl Combat Ammunition Planning and Production	Required for the award of 7 skill level IAW DAFMAN 21-201.
ACC AFCOMAC 9	ACC 9 Lvl Combat Ammunition Planning and Production	Required for the award of 9 skill level IAW DAFMAN 21-201.
J5AZA2W071 0T0A [9E-F58/322-F37 (MC)]	Technical Transportation of Hazardous Material (Army Course)	Old AMMO-62 course taught out of McAlester Army Depot

D1.4. Exportable Courses are listed at: N/A

SECTION E – MAJCOM UNIQUE REQUIREMENTS

E1. MAJCOM Unique Requirements. MAJCOM Unique requirements are determined by each MAJCOM and are dependent upon mission and environment. Please contact your Unit Munitions Training Manager for information regarding this section.

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DCS/Logistics, Engineering, and Force Protection

SECTION A, SPECIALTY TRAINING STANDARD

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
1	**MUNITIONS SYSTEMS CAREER FIELD** TR: AFMAN 21-200, DAFMAN 21-201; AFH 36-2618; AFECD (see B.1)			
1.1	Munitions and Weapons Career Field	5	A	B
1.2	Progression/duties within the 2W0X1 career field	5	A	B
2	**SECURITY**			
2.1	Security classification levels TR: DAFMAN 21-201; DoDI 5200.01		-	-
2.2	OPSEC vulnerabilities for 2W0X1 TR: DoDM 5200.01_ AFMAN 16-1404V1-3; AF Security Munitions Classification Guides; DoDI 5200.01		-	B
2.3	**Munitions Security** AFMAN 21-200; DoDM 5100.76_AFMAN 31-101V2; DoDM 5200.01_ AFMAN 16-1404V1-3			
2.3.1	Controlled/restricted areas	5	A	B
2.3.2	Entry control point	5	A	B
2.3.3	Escort duties		A	-
2.3.4	Controlled Inventory Item Code (CIIC)/Risk codes TR: WebFLIS	5	A	B
2.3.5	Transportation/storage of munitions	5	A	B
2.3.6	**Intrusion detection systems (IDS)**			
2.3.6.1	Principles and Operation		-	B
3	**Ground Safety**			
3.1	AF Consolidated Occupational Safety TR: AFI 91-202; AFMAN 48-146, 91-203; Specific Item T.O.		A	B
3.2	Hazards for AFSC 2W0X1 TR: DESR 6055.09_AFMAN 91-201; Specific Item T.O.		A	B
3.3	Hazard reporting TR: AFI 91-202	5	A	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
3.4	Risk Management (RM) TR: AFI 90-802; AFPAM 90-803	5	a	-
3.5	**Weapons safety**			
3.5.1	**Explosive/missile safety** TR: DESR 6055.09_AFMAN 91-201; Specific Item T.O.			
3.5.1.1	Range Demonstration (Schoolhouse Only)		A	-
3.5.1.2	Missile safety fundamentals		A	B
3.5.1.3	Forward Firing Ordnance (FFO)		A	B
3.5.2	Radiation safety TR: AFI 91-108; AFMAN 48-148; DAFMAN 48-125		-	B
3.5.3	**Weapons Safety Manager**			
3.5.3.1	Net Explosive Weight and Site Plans		-	-
3.5.3.2	Site Licensing Process		-	-
3.5.3.3	Quantity-Distance (Q-D)		-	-
3.5.3.4	Accident, Incident, Deficiency and Mishap Reports		-	-
3.6	**Safety Equipment**			
3.6.1	Identify and inspect fire extinguishers TR: AFMAN 91-203	5	2b	-
3.6.2	Identify and inspect eyewash systems TR: AFMAN 91-203	5	A	A
3.6.3	Use Personal Protective Equipment (PPE) TR: AFMAN 91-203; Manufacturer's Manual	5	2b	-
3.6.4	Static ground and lightning protection system TR: AFMAN 32-1065		A	A
4	**ENVIRONMENTAL PROTECTION** TR: AFI 90-821, 32-7020; AFMAN 32-7002, 48-146, 91-203; AFPD 32-70; Installation Restoration Program Management Guidance Handbook; Host Nation, State & Local Requirements/Directives			
4.1	**HAZCOM/HAZMAT Management**			
4.1.1	Functions and responsibilities		-	-
4.1.2	Comply with Safety Data Sheet (SDS)	5	1a	-
4.1.3	Environmental Protection Agency's Military Munitions Rule		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
5	**SUPERVISION** TR: AFI 21-101, 38-101, 36-2406, 36-2502, 36-2907, 36-3012; AFMAN 21-200, 36-2032, 36-2806, DESR 6055.09_AFMAN 91-201; AFH 36-2618; DAFMAN 21-201; AFECD and applicable command directives			
5.1	Orient new personnel		-	-
5.2	Assign personnel to work crews		-	-
5.3	Plan work assignments and priorities		-	-
5.4	Schedule work assignments		-	-
5.5	Evaluate work performance of subordinate personnel	7	-	-
5.6	**Establish**			
5.6.1	Performance Standards	7	-	-
5.6.2	Work Schedules		-	-
5.7.	**Crew Chief duties** TR: DAFMAN 21-201, DESR 6055.09_AFMAN 91-201; Specific Item T.O., Crew Chief AFQTP			
5.7.1	Principles of Crew Chief responsibilities	5	B	B
5.7.2	Conduct pre-task safety briefing	5	2b	B
5.7.3	Direct all phases of the operation	^	2b	B
5.7.4	Identify all hazards of the operation	^	2b	B
5.7.5	Brief emergency procedures to workers, casuals, and visitors	5	2b	B
5.7.6	Maintain strict housekeeping standards	5	2b	B
5.7.7	Identify unsafe conditions	5	2b	B
5.7.8	Completed Certification IAW Crew Chief AFQTP	^	**-**	**-**
6	**TRAINING** TR: AFI 36-2670; AFMAN 36-2100, Education and Training Course Announcements (ETCA) and ECD (see C1.1)			
6.1	Evaluate personnel to determine need for training	7	-	-
6.2	Schedule personnel for training	7	-	-
6.3	Plan and supervise OJT	7	-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
6.4	Prepare job qualification standards	7	-	-
6.5	Conduct training	7	-	-
6.6	Counsel trainees on their progress	7	-	-
6.7	Monitor and evaluate effectiveness of training	7	-	-
6.8	Maintain training records	7	a	B
6.9	IMDS (or G081/ARCNet)		-	-
7	**PUBLICATIONS**			
7.1	**Technical Orders** TR: T.O. 00-5-1, 00-5-15, 00-20-2			
7.1.1	Technical Order System		A	-
7.1.2	Responsibilities of the TODO, TODA, Library Custodian		-	-
7.1.3	Establish/maintain technical order files		-	-
7.1.4	Technical Order Improvement and Recommended Change Process		A	A
7.1.5	Technical Order Indexes		A	-
7.1.6	Use Technical Orders when performing tasks TR: Specific Item T.O.	5	2b	B
7.1.7	TCTO Program		A	-
7.1.8	Supervisory review of Recommended Change		-	-
7.1.9	E-Tool Management		-	-
7.2	**Other Documents** TR: AFPD 33-3; DAFI 33-360			
7.2.1	Use Publication	5	-	-
7.2.2	Responsibilities of Publications/Forms Manager		-	-
7.2.3	Establish/maintain publication files		-	-
7.2.4	Use indexes/AFEPL		-	-
7.2.5	Defense Logistics Information Services (DLIS) TR: WEBFLIS		-	A
7.2.6	**Joint Hazard Classification System (JHCS)** TR: https://mhp.redstone.army.mil/MhpMain.aspx		-	-
7.2.6.1	Identify Basic Facts and JHCS navigation		A	A

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
7.2.6.2	Utilize JHCS data in TICMS	5	-	-
8	**MAINTENANCE MANAGEMENT** TR: AFI 21-101, AFI 38-101; AFMAN 21-200			
8.1	Basic Wing/Base functions		A	B
8.2	Organizational Structures		A	B
8.3	**Functions and responsibilities** TR: AFI 38-101; AFMAN 21-200; DAFMAN 21-201			
8.3.1	HQ USAF		-	B
8.3.2	HQ AFMC/USAF-GACP, TACP, RACP		-	B
8.3.3	Major Command		-	B
8.4	**Air Force Inspection System (AFIS)** TR: AFI 90-201			
8.4.1	Program		-	B
8.4.2	Core criteria		-	B
8.4.3	Management Internal Control Toolset (MICT)		-	B
8.5	**Maintenance/Equipment Forms** TR: T.O. 00-20-1, 00-20-2, 11A-1-60, MIL-STD 129R			
8.5.1	AFTO Form 244/Symbols and use	5	a	-
8.5.2	AFTO Form 244/Documentation	5	2b	B
8.5.3	AFTO Form 244/Clearing symbols	7^	-	B
8.5.4	AFTO Form 350 Series and use	5	-	B
8.5.5	DD Form 1500 Series and use	5	a	B
8.5.6	AFTO Form 95 Documentation and use		a	B
8.6	**Maintenance Data Documentation System** TR: DAFMAN 21-201; T.O. 00-20-2, 21M-1-101, AFCSM 21-556 through 579 (see AFCEDS: https://ceds.gunter.af.mil/Publications.aspx?AIS=35)			
8.6.1	Reliability Asset Monitoring System (RAMS)		-	B
8.6.2	Tactical Munitions Reporting System (TMRS)		-	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
8.6.3	Integrated Maintenance Data System (IMDS/G081)		-	B
8.7	**OPLANs/Base Support Plan (BSP)/Expeditionary Site Plan (ESP)** TR: DAFI 10-401; AFI 10-404; DAFMAN 21-201, AFMAN 38-102; AFTTP 3-4.21V2			
8.7.1	Purpose and Implementation	7	-	B
8.7.2	Development	7	-	A
8.7.3	Execution	7	-	B
8.8	**Equipment and Munitions Mobility** TR: AFI 10-402, 10-403, 10-404, 25-101, 36-2129; DAFMAN 21-201			
8.8.1	Prepare unit non-nuclear munitions for mobility deployment packages		-	-
8.8.2	Prepare unit mobility deployment (equipment/accountability) packages TR: 36M-1-141		-	B
8.9	**Manning/personnel documents** TR: AFI 21-101, 38-101; AFMAN 21-200; DAFMAN 21-201; AFPD 38-1			
8.9.1	Unit manning document (UMD)		-	-
8.9.2	Unit personnel management roster (UPMR)		-	-
8.9.3	Special certification roster	7	-	-
8.10	**Facility Management Principles** TR: AFI 32-1020; DAFMAN 32-1084; AFPD 32-10; AFTTP 3-4.21V2			
8.10.1	AF Form 332 Process		-	-
8.10.2	DD Form 1391, *Military Construction Project Data*		-	-
8.10.3	Wing Facilities Working Group/Board		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
8.11	**Vehicle Management Principles** TR: AFI 24-301, 24-302			
8.11.1	Requirements & Authorizations		-	-
9	**MATERIEL CONTROL** TR: AFI 23-101, AFH 23-123V1-3; AFMAN 23-122; T.O. 00-20-3			
9.1	Prepare requests for equipment and supplies		-	-
9.2	Review/maintain supply products		-	-
9.3	Maintain residual/bench stock TR: AFI 21-101		-	B
9.4	Monitor Test, Measurement and Diagnostic Equipment (TMDE)		-	-
9.5	Reusable Container Program TR: AFI 21-101; DAFMAN 21-201; T.O. 11A-1-60	5	-	B
9.6	Manage Custodial Accounts TR: AFMAN 23-122		-	-
9.7	Allowance Standard (AS) TR: AFMAN 23-122	7	-	-
9.8	Supply Discipline TR: AFI 21-101, 23-111		-	B
10	**CONTROL OF MUNITIONS** TR: DAFI 10-401; AFMAN 31-101V2; AFMAN 21-200, DESR 6055.09_AFMAN 91-201; DAFMAN 21-201; T.O. 00-5-15, 00-20-2			
10.1	MC2/NMC2 SharePoint	5	A	B
10.2	**Planning and scheduling**			
10.2.1	Interpret flying schedule for munitions	7	-	B
10.2.2	Determine scheduling priorities		-	-
10.2.3	Job Control Numbers		-	B
10.2.4	AWM/AWP Program		-	B
10.2.5	TCTO Program		-	B
10.3	**Coordinating** TR: AFMAN 21-200, DESR 6055.09_AFMAN 91-201; DAFMAN 21-201; DoDM 5100.76_AFMAN 31-101V2			
10.3.1	Coordinate munitions requirements		-	B
10.3.2	Notify agencies of munitions maintenance plans		-	-
10.3.3	Coordinate entry procedures with security forces		-	A

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
10.3.4	Notify security forces of building risk code changes		-	A
10.3.5	Notify agencies of fire symbol/chemical warning sign changes		-	A
10.3.6	Notify agencies of munitions movements or deliveries		-	A
10.3.7	Notify vehicle maintenance of requirements		-	A
10.3.8	Coordinate work requests with appropriate agencies		-	A
10.4	**Directing/controlling** TR: AFMAN 21-200, 32-1065			
10.4.1	Initiate personnel recall procedures		-	B
10.4.2	Initiate emergency action checklist		-	B
10.4.3	Use radio		2b	-
10.4.4	Dispatch personnel		-	-
10.4.5	Post munitions control status		-	-
10.4.6	Maintain documentation on grounding and lightning protection		-	-
10.4.7	Conduct/coordinate MSA fire drills		-	-
10.5	**Flightline munitions management** TR: AFMAN 21-200; DAFMAN 21-201			
10.5.1	Direct and coordinate munitions flight line activities		-	A
10.5.2	Aircraft Load/Unload in TICMS		-	-
10.5.3	Aircraft Transfer in TICMS		-	-
10.6	**DOD Lock Program** TR: AFMAN 21-200; DoDM 5100.76_AFMAN 31-101V2 T.O. 44H2-3-1-101; https://www.navfac.navy.mil/navfac_worldwide/specialty_centers/exwc/products_and_services/capital_improvements/dod_lock.html			
10.6.1	Perform lock maintenance		-	-
10.6.2	Document AF IMT 2432 Key Issue Log	5	-	B
10.6.3	Document AF IMT 2427 Lock and Key Control Register		-	B
10.6.4	Perform key and lock audit		-	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
11	**MUNITIONS ACCOUNTABLE SYSTEMS OFFICER (MASO)** TR: DAFMAN 21-201			
11.1	Forecasting		-	-
11.2	AMST		-	-
11.3	Allocations		-	-
11.4	Custody Account Management		-	-
11.5	Inventory Management		-	-
11.6	Relief of Accountability		-	-
11.7	ROS		-	-
11.8	Inventory Adjustment		-	-
11.9	Post-Post Management		-	-
11.10	Conduct/Document Stock Record Account Review		-	-
11.11	COTS		-	-
11.12	TICMS Daily Transaction Report		-	-
12	**MUNITIONS ACCOUNTABILITY**			
12.1	**Theater Integrated Combat Munitions System (TICMS) Overview** TR: AFI 20-110; AFMAN 21-200, DAFMAN 21-201; TICMS Users Guide; TICMS System Advisory Notices; Air Force Portal Munitions Functional Area			
12.1.1	Fundamentals	5	B	-
12.1.2	MIT equipment usage		-	-
12.1.3	Labeler/Printer usage		-	-
12.2	**TICMS System Admin Responsibilities** TR: AFI 20-110, AFMAN 21-200, DAFMAN 21-201; TICMS Users Guide			
12.2.1	FMO		-	-
12.2.2	MASO		-	-
12.2.3	DODAAC System Admin		-	-
12.3	**DODAAC Transactions** TR: DAFMAN 21-201; TICMS Users Guide			
12.3.1	DIFM		-	-
12.3.2	Requisitions		B	B
12.3.3	Receipts		B	B
12.3.4	Issues		B	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level	5 Skill Level
12.3.5	Turn-ins		B	B
12.3.6	Post-post procedures		-	-
12.3.7	Key Supporting Documents		B	B
12.3.8	Reversals and Cancellations		-	-
12.3.9	Importing munitions in TICMS		-	B
12.3.10	Ownership Code Changes		-	-
12.3.11	**Munitions Distribution** TR: DAFMAN 21-201			
12.3.11.1	Manage Custody accounts		-	B
12.3.11.2	Defense Logistics Management Standards (DLMS)		-	-
12.3.11.3	Ownership Codes		a	-
12.3.11.4	Managing Non-Air Force inventory		-	-
12.3.11.5	Preparation and Use of AF Form 68, *Munitions Authorization Record*		B	B
12.3.11.6	Shipments		B	B
12.3.11.7	PACER AMMO		-	-
12.4	**Expenditure Transactions** TR: DAFMAN 21-201; TICMS Users Guide			
12.4.1	Expenditures		B	B
12.4.2	Expenditure reconciliation		-	-
12.5	**Allocation Management** TR: DAFMAN 21-201; TICMS Users Guide			
12.5.1	Perform Org/Shop maintenance		-	-
12.5.2	Time change		-	B
12.5.3	WCDO		-	-
12.5.4	DLAR		-	B
12.5.5	TAMP		-	A
12.5.6	Stock levels		-	B
12.5.7	AMST forecast and allocation module		-	B
12.5.8	Create/Update allocations		-	B
12.5.9	Allocation Summary Report		-	-
12.6	**Prepare and Use TICMS Searches, Inquires and Reports** TR: TICMS Users Guide			
12.6.1	Total Asset Inquiry		a	-
12.6.2	Available Asset Report		a	-
12.6.3	Transaction History Report		a	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level	5 Skill Level
12.6.4	Issue Request Summary		-	-
12.6.5	Overdue Returns Report		-	-
12.6.6	Organizational Allocations Reports		a	B
12.6.7	Org/Shop Expenditure Inquiry		-	-
12.6.8	Requisition Summary		-	-
12.6.9	Inspection Maintenance Reports		-	-
12.6.10	Inspection Overdue Reports		-	-
12.6.11	ADR Search		-	-
12.6.12	DODAAC Information Inquiry		-	-
12.6.13	Facility Report		a	-
12.7	**Cycle Count Management**			
12.7.1	Cycle Count Processes	5	a	-
12.7.2	Cycle Count Planning		-	-
12.7.3	Relief of accountability		-	B
12.7.4	Report of Survey		-	-
12.7.5	Identify Warehouse Locations TR: T.O. 11A-1-61-1	5	a	B
12.7.6	Inventory Adjustment		-	-
12.8	**Complete round management**			
12.8.1	Complete Round Analysis		a	-
12.8.2	Component Usage Report		-	-
12.8.3	New Assembly Work Order		a	-
12.8.4	New Disassembly Work Order		a	-
12.8.5	Assembly Work Order Status		-	-
12.8.6	Work In-progress Report		-	-
12.9	**Container Management**			
12.9.1	Container and Nesting		A	B
12.9.2	Container Naming Conventions		-	B
12.9.3	Create Containers using Desktop		-	-
12.9.3	Create Containers using MIT		-	-
12.9.4	Pack Containers		-	-
12.9.5	Unpack Container		-	-
12.9.6	Container Nesting Characteristics		-	-
12.9.7	Nesting Containers		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
13	**WAR RESERVE MATERIAL (WRM)** TR: DAFI 10-401, 25-101; DAFMAN 21-201			
13.1	General policy	7	-	B
13.2	Munitions redistribution in support of operational plans		-	B
13.3	Munitions packages (STAMP & TARRP) for deployment	7	-	A
13.4	WRM Stockpile		-	B
14	**MUNITIONS INSPECTION** TR: AFI 20-110; DAFMAN 21-201; DESR 6055.09_AFMAN 91-201; MIL-STD 129R; Conventional Munitions Restricted or Suspended (CMRS) website, T.O. 11A-1-10; JHCS; Specific Item T.O.			
14.1	Serviceability procedures		A	B
14.2	Lot Management		-	-
14.3	Serial Management		-	-
14.4	Service Life Management		-	-
14.5	Attribute Changes (Lot, Condition Code, and selective identity changes)		-	-
14.6	Ammunition disposition process		-	-
14.7	Conventional Munitions Restricted and Suspended (CMRS)		a	-
14.8	Static Display Munitions		-	-
14.9	Inspection Management (Periodic, Storage Monitoring, and Assembled Munitions Inspections)		-	-
14.10	**Perform and document inspections**			
14.10.1	Periodic (PI)	^	-	B
14.10.2	Storage Monitoring Inspection (SMI)	^	-	-
14.10.3	Pre-Issue Inspection (PII) TR: 11A-1-10	^	-	B
14.10.4	Special Inspection (SPI)	^	-	B
14.10.5	Shipping Inspection (SI) TR: AFI 20-110, 24-602V2; AFMAN 24-604; DoDM 4140.01; Applicable Special Packaging Instruction; T.O. 11A- 1-10; Title 49 CFR	^	-	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
14.10.6	Receiving Inspection (RI)	^	-	B
14.10.7	Returned Munitions Inspection (RMI)	^	-	B
14.10.8	Identify/process/tag assets TR: AFI 20-110; T.O. 00-20-3, 11A-1-10	^	-	B
14.9	**Annotate discrepancy/deficiency reporting forms**			
14.9.1	DD Form 361, *Transportation Discrepancy Report (TDR)* TR: DoD 4500.9-R Part II (Chapter 210)		-	B
14.9.2	Supply Discrepancy Report (SDR) SF 364, *Report of Discrepancy* TR: DLM 4000.25V2		-	B
14.9.3	Product Quality Deficiency Report (PQDR) TR: T.O. 00-35D-54		-	B
14.9.4	**Inspection of munitions residue and reusable containers** TR: T.O. 11A-1-60			
14.9.4.1	Inspect/certify munitions residue		-	B
14.9.4.2	Turn-in munitions residue		-	B
14.9.4.3	Certify empty containers		a	B
15	**STORAGE OF MUNITIONS** TR: DAFMAN 21-201; DESR 6055.09_AFMAN 91-201; JHCS; TO 11A-1-61-1; Approved Drawings; Specific Item T.O.			
15.1	Identify/apply storage requirements		b	B
15.2	Storage magazine types		B	B
15.3	Storage area hazards		B	B
15.4	Identify/apply site planning principles		-	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
15.5	Identify/apply Quantity-Distance (QD) requirements		-	B
15.6	Identify/apply compatibility requirements	5	B	B
15.7	Perform facility inspections		-	-
15.8	**Warehousing principles**			
15.8.1	General principles/storage planning	5	A	B
15.8.2	Buffered storage		-	B
15.8.3	Process movement of munitions	5	a	B
15.8.4	Complete round storage/dispersal		A	B
15.8.5	Perform general warehousing		2b	B
15.8.6	Establish/mark storage location	5	2b	-
15.9	Courtesy storage procedures		A	B
15.10	Non-Accountable storage procedures		A	B
15.11	Posting fire hazard symbols and chemical warning signs	5	B	B
15.12	Remove and store munitions	5	-	-
16	**SHIPPING/RECEIVING** TR: AFI 24-602V2; DAFMAN 21-201; AFMAN 24-604, DESR 6055.09_AFMAN 91-201; IP; DoDD 4500.09; Title 49 CFR; T.O 11A-1-10, Specific Item T.O.			
16.1	**Receipt of munitions**			
16.1.1	In-check		A	B
16.1.2	Suspect vehicle procedures		A	B
16.1.3	Document receipt in TICMS		-	B
16.2	**Shipment of munitions**			
16.2.1	**Package/documentation requirements for:**			
16.2.1.1	Break bulk		-	B
16.2.1.2	Intermodal/CADS		A	B
16.2.1.3	Air		A	B
16.2.2	Shipping labels		A	B
16.2.3	Shipping documents		A	B

		Core Tasks	3 Skill Level Course	5 Skill Level CDC
16.3	Aircraft Cargo Pallet System TR: T.O. 35D33-2-2-2, 35D33-2-3-1, 36M-1-141; DoD 4500.9-R Part VI		A	A
16.4	Load/unload munitions into or from trucks/railcars		-	-
16.5	**International Organization for Standardization (ISO) containers** TR: MIL-STD-3037; DoD 4500.9-R Part VI; Applicable Special Packaging Instruction			
16.5.1	Inspect/certify ISO containers		-	A
16.5.2	Load/unload		-	-
16.5.3	Determine Block and Bracing Requirements		-	-
16.5.4	Perform Blocking and Bracing		-	-
17	**MUNITIONS DEMILITARIZATION** TR: DoD 4160.28M, Volumes 1-3			
17.1	Explain techniques		-	A
17.2	Procedures/requirements		-	A
18	**GENERAL MAINTENANCE PROCEDURES**			
18.1	Perform corrosion control procedures TR: AFI 21-101; T.O. 1-1-8, 1-1-691, Specific Item T.O.	5	b	-
18.2	Use torque wrenches TR: T.O. 00-20-1, 00-20-14; 32B14-3-1-101	5	2b	-
18.3	Perform banding TR: AFMAN 91-203; Specific Item T.O.	5	2b	-
18.4	Use multimeters TR: DESR 6055.09_AFMAN 91-201; T.O. 00-20-1, 00-20-14		-	B
18.5	Use common hand tools TR: DESR 6055.09_AFMAN 91-201, 91-203; T.O. 00-20-1, 32-1-2, 32-1-101; Specific Item T.O.	5	2b	-
18.6	Use tool control procedures TR: AFI 21-101; AFMAN 21-200	5	2b	-
18.7	Use power/pneumatic tools TR: T.O. 32B (series)		2b	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
18.8	Use heat producing devices TR: DESR 6055.09_AFMAN 91-201; Owner's Manual		-	-
18.9	Use micrometer/depth gauge TR: T.O. 32-1-151, 32-1-201, Specific Item T.O.		-	-
18.10	Use pallet jacks TR: DESR 6055.09_AFMAN 91-201, 91-203; TO 00-20-1		-	-
18.11	Use lifting devices (i.e. Slings, Barrel Adapter, Hoist, etc…) TR: AFI 21-101; AFMAN 91-203; TO 00-20-1		b	B
18.12	Apply package markings TR: IP, DESR 6055.09_AFMAN 91-201; T.O. 11A-1-10, 11A- 1-60, Specific Item T.O.; JHCS; CFR 49; MIL-STD 129R; Applicable Special Packaging Instruction		b	B
18.13	Palletize munitions TR: Specific Item T.O. and Applicable Special Packaging Instruction		-	-
19	**NUCLEAR WEAPONS AND OPERATIONS** **TR: AFI 91-108; AFMAN 31-101V2, 91-101; AFMAN 24-604, 91-118; DESR 6055.09_AFMAN 91-201; AFPD 21-2**			
19.1	**Nuclear Surety**			
19.1.1	Two Person Concept		-	A
19.1.2	No Lone Zone		-	A
19.2	Dull sword		-	A
19.3	Personnel Reliability Program (PRP)		-	B
19.4	Nuclear radiation safety		-	B
19.5	Nuclear weapons storage		-	B
19.6	Restricted areas/Limited areas/Exclusion areas		-	B
19.7	**Nuclear weapons**			
19.7.1	Identify certified equipment TR: Master Nuclear Certification List (MNCL) https://wwwmil.nwc.kirtland.af.mil/mncl/index.cfm		-	B
19.7.2	Perform weapon storage area weapons movement TR: T.O. 11N-45-51		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
19.7.3	Convoy nuclear weapons TR: AFMAN 31-101V1; DoDM S-5210-M_AFMAN 31-108; T.O. 11N-45-51 (series)		-	B
19.8	**Transport nuclear weapons/shapes on:** TR: T.O. 11N-45-51 (series)			
19.8.1	MHU-141		-	B
19.8.2	MHU-196/MHU-204		-	-
19.8.3	MHU-226		-	-
19.8.4	25/40 foot trailer		-	-
19.9	**Nuclear Weapons Related Materials (NWRM)** TR: AFI 20-110; DAFMAN 21-201			
19.9.1	Fundamentals		A	A
19.9.2	Identify		-	-
19.9.3	Mark/package		-	-
19.9.4	Storage/warehouse		-	-
19.9.5	Shipment/receipt		-	-
19.9.6	Inventory/audit		-	-
20	**Vehicles (Schoolhouse use only)**			
20.1	**Bobtail trucks** TR: T.O. 36A10-3-(series)			
20.1.1	Characteristics		A	A
20.1.2	Perform pre-use/post-use inspection		2b	-
20.1.3	Drive/operate		2b	-
20.2	**½ ton cargo truck thru 2½ ton cargo truck** TR: T.O. 36A12-(series)			
20.2.1	Characteristics		A	A
20.3	**5 ton truck – 15 ton truck tractors** TR: T.O. 36A13-(series)			
20.3.1	Characteristics		A	A

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
20.4	25/38.5/40 foot trailer (including rollerized) TR: T.O. 36A9-(series)			
20.4.1	Characteristics		A	A
20.5	Aircraft Tow Tugs/Tractors TR: T.O. 36A10-3-(series)			
20.5.1	Characteristics		-	A
20.6	Forklifts: 4K/6K/10K/15K, Gas/Diesel TR: T.O. 36M2-2-(series)			
20.6.1	Characteristics		A	A
20.6.2	Perform pre-use/post-use inspection		2b	-
20.6.3	Drive/operate		2b	-
20.7	Forklifts: 22K/40K/44K/50K, Gas/Diesel TR: T.O. 36M2-2-(series)			
20.7.1	Characteristics		A	A
21	HANDLING AND DELIVERY TR: DAFMAN 21-201; DESR 6055.09_AFMAN 91-201			
21.1	General handling procedures TR: AFMAN 24-306; JHCS; Specific Item T.O.			
21.1.1	Placard vehicles TR: Title 49 CFR	5	b	B
21.1.2	Transport munitions	5	2b	B
21.1.3	Communicate movements	5	b	-
21.1.4	On-base movement procedures TR: DOD 4500.9R Part II		A	B
21.1.5	Off-base movement procedures TR: DOD 4500.9R Part II; QTP 24-3-HAZMAT		A	B
21.1.6	Pintle hook use		2b	A
21.1.7	Munitions Tie- Down/Positioning TR: DOD 4500.9R Part II; T.O. 11-1-38, 13C2-1-1			
21.1.7.1	MHU-141; configure, load/unload, position, and tie-down:			
21.1.7.1.1	General Cargo		-	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
21.1.7.1.2	Transport Mods		-	B
21.1.7.1.3	General Purpose Bombs/Mines		-	B
21.1.7.1.4	Cluster Bombs		-	B
21.1.7.1.5	Precision Guided Munitions		2b	B
21.1.7.1.6	Missiles - Containerized		-	B
21.1.7.1.7	Missiles - Out of Container		2b	-
21.1.7.1.8	SUU-25 and 30MM		-	B
21.1.7.2	**MHU-110; configure, load/unload, position, and tie-down:**			
21.1.7.2.1	General Cargo		-	B
21.1.7.2.2	Transport Mods		-	B
21.1.7.2.3	General Purpose Bombs/Mines		2b	B
21.1.7.2.4	Cluster Bombs		-	B
21.1.7.2.5	Precision Guided Munitions		-	B
21.1.7.2.6	Missiles - Containerized		-	B
21.1.7.2.7	SUU-25 and 30MM		-	B
21.1.7.2.8	Use Longitudinal ARS		-	-
21.1.7.2.9	Use Latitudinal ARS		-	-
21.1.7.2.10	Use Wooden Rail Set		-	-
21.1.7.3	**MHU-226; configure, load/unload, position, and tie-down:**			
21.1.7.3.1	General Cargo		-	B
21.1.7.3.2	Transport Mods		-	B
21.1.7.3.3	General Purpose Bombs/Mines		2b	B
21.1.7.3.4	Cluster Bombs		-	B
21.1.7.3.5	Precision Guided Munitions		-	B
21.1.7.3.6	Missiles - Containerized		-	B
21.1.7.3.7	Missiles - Out of Container		2b	-
21.1.7.3.8	30MM		-	B
21.1.7.3.9	Use Longitudinal ARS		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
21.1.7.4	**25/38.5/40-ft Trailer (including rollerized); configure, load/unload, position, and tie- down:**			
21.1.7.4.1	General Cargo		-	B
21.1.7.4.2	Palletized/Containerized Munitions		-	B
21.1.7.4.3	Use Longitudinal ARS		2b	B
21.1.7.4.4	Use Latitudinal ARS		-	B
21.1.7.4.5	Use wooden rail set		-	-
21.1.7.5	**Cargo Truck; configure, load/unload, position, and tie-down:**			
21.1.7.5.1	General Cargo		-	-
21.1.7.5.2	General Purpose Bombs		-	-
21.1.7.5.3	Palletized/Containerized Munitions		-	-
21.1.7.5.4	Gun Ammunition		-	-
22	**GENERAL SUPPORT AND HANDLING EQUIPMENT** TR: T.O. 35D-1-2			
22.1	**Non-powered support equipment (SE)**			
22.1.1	**MHU-141 trailer** TR: T.O. 35D3-2-27-1			
22.1.1.1	Characteristics		A	A
22.1.1.2	Perform pre-use/post-use/general inspection TR: T.O. 35D3-11-36-6WC-2		2b	-
22.1.1.3	Tow		2b	-
22.1.1.4	Perform user maintenance		-	-
22.1.1.5	Perform maintenance/periodic inspections		-	-
22.1.1.6	Stack for shipment		-	-
22.1.2	**MHU-110 trailer** TR: T.O. 35D3-2-26-1			
22.1.2.1	Characteristics		A	A
22.1.2.2	Perform pre-use/post-use/ general inspection TR: T.O. 35D3-11-36-6WC-2		2b	-
22.1.2.3	Tow		2b	-
22.1.2.4	Perform user maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
22.1.2.5	Perform maintenance/periodic inspections		-	-
22.1.2.6	Stack for shipment		-	-
22.1.3	**MHU-226 trailer** TR: T.O. 35D3-2-31-1			
22.1.3.1	Characteristics		A	A
22.1.3.2	Perform pre-use/post-use/general inspection TR: T.O. 35D3-11-36-6WC-2		2b	-
22.1.3.3	Tow		2b	-
22.1.3.4	Perform user maintenance		-	-
22.1.3.5	Perform maintenance/periodic inspections		-	-
22.1.3.6	Stack for shipment		-	-
22.1.4	**MHU-196/MHU-204 trailers** TR: T.O. 11N-H5083-1			
22.1.4.1	Characteristics		-	-
22.1.4.2	Use of checklists		-	-
22.1.4.3	Perform pre-use/post-use inspection		-	-
22.1.4.4	Tow/operate		-	-
22.1.5	**Aluminum Rail Set (ARS)** TR: T.O. 35DA5-2-1			
22.1.5.1	Characteristics		A	-
22.1.5.2	Preparation for use		-	-
22.1.5.3	Assemble/Disassemble		-	-
22.1.5.4	Perform operator maintenance		-	-
22.1.5.5	Perform pre-use inspection		-	-
22.2	**Powered support equipment (SE)**			
22.2.1	**MJ-1 series lift truck** TR: T.O. 35D3-2-25-1			
22.2.1.1	Characteristics		A	A
22.2.1.2	Perform pre-use/post-use inspection TR: 35D5-3-8-36WC-1		2b	-
22.2.1.3	Drive/operate		2b	-
22.2.2	**MHU-83 series lift truck** TR: T.O. 35D5-3-8 (series)			
22.2.2.1	Characteristics		A	A

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
22.2.2.2	Perform pre-use/post-use inspection TR: T.O. 35D5-3-8-36WC-1		2b	-
22.2.2.3	Drive/operate		2b	-
22.2.3	**MC-7 air compressor** TR: T.O. 34Y1-253-1			
22.2.3.1	Characteristics		A	A
22.2.3.2	Perform pre-use/post-use inspection TR: T.O. 35-1-256 WC-1		2b	-
22.2.3.3	Operate		2b	-
22.2.4	**A/M32A-60 Generator Set** TR: T.O. 35C2-3-372-11			
22.2.4.1	Characteristics		-	-
22.2.4.2	Perform pre-use/post-use inspection TR: T.O. 35-1-256 WC-1		-	-
22.2.4.3	Operate		-	-
22.2.5	**A/M32A-86 "Hobart" Generator Set** TR: T.O. 35C2-3-469-11			
22.2.5.1	Characteristics		-	-
22.2.5.2	Perform pre-use/post-use inspection TR: T.O. 35-1-256 WC-1		-	-
22.2.5.3	Operate		-	-
22.2.6	**MEP-1041 Advanced Medium Mobile Power Systems (AMMPS)** TR: T.O. 35C2-3-532-1			
22.2.6.1	Characteristics		-	-
22.2.6.2	Perform pre-use/post-use inspection TR: T.O. 35-1-256 WC-1		-	-
22.2.6.3	Operate		-	-
23	**Munitions Materiel Handling Equipment (MMHE)** TR: DESR 6055.09_AFMAN 91-201; T.O. 00-20-1, 35D-1-2			
23.1.	**20MM Universal Ammunition Loading System (UALS/ALS/LALS)** TR: T.O. 35D30-4-15-1 (UALS) 35D2-19-1 (LALS) 35D30-4-10-1 (ALS) 35D3-11-36-6WC-2			
23.1.1	Characteristics		A	B
23.1.2	Perform operational checkout		2b	-
23.1.3	Perform pre-use/post-use/general inspection TR: T.O. 35D3-11-36-6WC-2		2b	-
23.1.4	Tow		-	-
23.1.5	Operate		2b	-
23.1.6	Perform user maintenance		-	-
23.1.7	Perform periodic maintenance/inspection		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
23.2	**20MM Ammunition Loading System Replenisher Assembly** TR: T.O. 35D30-4-11-1			
23.2.1	Characteristics		A	B
23.2.2	Perform operational checkout		2b	-
23.2.3	Operate		2b	-
23.2.4	Perform user maintenance		-	-
23.2.5	Perform periodic maintenance/inspection		-	-
23.3	**25MM Ammunitions Loader System** TR: T.O. 35D30-4-22-1			
23.3.1	Characteristics		-	-
23.3.2	Perform pre-use/post-use inspection		-	-
23.3.3	Tow		-	-
23.3.4	Operate		-	-
23.3.5	Perform periodic maintenance/inspection		-	-
23.4	**30MM Ammunition Loader System (GFU-7,-8)** TR: T.O. 35D30-4-12-2, 35DA15-7-3			
23.4.1	Characteristics		A	B
23.4.2	Perform pre-use/post-use inspection		-	-
23.4.3	Tow		-	-
23.4.4	Operate		-	-
23.4.5	Perform periodic maintenance/inspection		-	-
23.5	**Munitions Assembly Conveyor, A/E32K-3, A/E32K-9** TR: T.O. 35D2-17-1, 35D2-17-11			
23.5.1	Characteristics		A	B
23.5.2	Preparation for use		-	B
23.5.3	Preparation for storage or shipment		-	-
23.5.4	Perform pre-use/post-use inspection		2b	-
23.5.5	Operate		2b	-
23.5.6	Perform operator maintenance		-	-
23.5.7	Assemble/Disassemble		1a	-
23.5.8	Perform periodic maintenance/inspection		-	-
23.6	**Transport Modules** TR: T.O. 35D-1-2; 35DA3-6-38-1 35D3-40-3-1			
23.6.1	**ALE-40 Chaff/Flare Modules**			

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
23.6.1.1	Characteristics		A	B
23.6.1.2	Perform pre-use/post-use inspection		-	-
23.6.1.3	Load/unload		-	-
23.6.1.4	Securing doors		-	-
23.6.2	**BDU Modules**			
23.6.2.1	Characteristics		A	-
23.6.2.2	Perform pre-use/post-use inspection		-	-
23.6.2.3	Load/unload		-	-
23.6.2.4	Securing doors		-	-
23.6.3	**Rocket Modules**			
23.6.3.1	Characteristics		A	-
23.6.3.2	Perform pre-use/post-use inspection		-	-
23.6.3.3	Load/unload		-	-
23.6.3.4	Securing doors		-	-
23.6.4	**105MM Modules**			
23.6.4.1	Characteristics		A	-
23.6.4.2	Perform pre-use/post-use inspection		-	-
23.6.4.3	Load/unload		-	-
23.6.4.4	Securing doors		-	-
23.6.5	**Decoy Modules**			
23.6.5.1	Characteristics		A	-
23.6.5.2	Perform pre-use/post-use inspection		-	-
23.6.5.3	Load/unload		-	-
23.6.5.4	Securing doors		-	-
23.6.6	**Multi-use Chaff/Flare Transport Module (MCFTM)**			
23.6.6.1	Characteristics		A	-
23.6.6.2	Perform pre-use/post-use inspection		-	-
23.6.6.3	Load/unload		-	-
23.6.6.4	Securing doors		-	-
23.6.7	**CSAR Modules**			
23.6.7.1	Characteristics		A	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
23.6.7.2	Perform pre-use/post-use inspection		-	-
23.6.7.3	Load/unload		-	-
23.6.7.4	Securing doors		-	-
23.6.8	**SOPGM Modules**			
23.6.8.1	Characteristics		-	-
23.6.8.2	Perform pre-use/post-use inspection		-	-
23.6.8.3	Load/unload		-	-
23.6.8.4	Securing doors		-	-
24	**CONVENTIONAL MUNITIONS** TR: DAFMAN 21-201; DESR 6055.09_AFMAN 91-201			
24.1	Explosive characteristics TR: DESR 6055.09_AFMAN 91-201		-	B
24.2	Explosive Train types and characteristics TR: T.M. 9-1300-214 (Order Through – US Army Distribution Center, 1655 Woodson Road, St. Louis, Mo., 63114-6181)		-	B
24.3	Identify munitions inert, empty or non-explosive TR: T.O. 11A-1-10, 11A-1-53		-	B
24.4	**2.75" Rockets** TR: T.O 11A11-24-7			
24.4.1	Characteristics		A	-
24.4.2	Inspect		a	-
24.4.3	Assemble/Disassemble		a	-
24.4.4	Maintenance		-	-
24.5	**Launchers: LAU-131** TR: T.O 11L1-3-27-1			
24.5.1	Characteristics		A	-
24.5.2	Inspect/test		-	-
24.6	**Practice Bombs**			
24.6.1	**MK80 Series, BDU-50, BDU-56** TR: T.O 11A3-4-7			
24.6.1.1	Characteristics		A	B
24.6.1.2	Inspect		2b	-
24.6.1.3	Maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.6.1.4	Assemble/Disassemble Unguided Bombs		2b	-
24.6.2	**BDU-33, BDU-48, and MK106** TR: T.O 11A3-3-7			
24.6.2.1	Characteristics		A	B
24.6.2.2	Inspect		-	-
24.6.2.3	Maintenance		-	-
24.6.2.4	Assemble/Disassemble Unguided Bombs		-	-
24.6.3	**BDU-38/B, BDU-46/E** TR: T.O 11A3-6-7, 11A3-8-7, 11A17-12-7			
24.6.3.1	Characteristics		-	-
24.6.3.2	Inspect		-	-
24.6.3.3	Maintenance		-	-
24.6.3.4	Assemble/Disassemble Unguided Bombs		-	-
24.7	**General purpose bombs** TR: T.O 11A-1-63			
24.7.1	**MK81** TR: T.O 11A1-4-7			
24.7.1.1	Characteristics		-	-
24.7.1.2	Inspect		-	-
24.7.1.3	Maintenance		-	-
24.7.1.4	Assemble/Disassemble Unguided Bombs		-	-
24.7.2	**MK82, BLU-111** TR: T.O 11A1-5-7, 11A6-13-7			
24.7.2.1	Characteristics		A	B
24.7.2.2	Inspect		-	-
24.7.2.3	Maintenance		-	-
24.7.2.4	Assemble/Disassemble Unguided Bombs		2b	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.7.3	**MK83, BLU-110** TR: T.O 11A1-5-7, 11A6-13-7			
24.7.3.1	Characteristics		A	B
24.7.3.2	Inspect		-	-
24.7.3.3	Maintenance		-	-
24.7.4	**MK84, BLU-117** TR: T.O 11A1-5-7, 11A6-13-7			
24.7.4.1	Characteristics		A	B
24.7.4.2	Inspect		-	-
24.7.4.3	Maintenance		-	-
24.7.4.4	Assemble/Disassemble Unguided Bombs		-	-
24.7.5	**BLU-109** TR: T.O 11A1-11-7			
24.7.5.1	Characteristics		A	B
24.7.5.2	Inspect		-	-
24.7.5.3	Maintenance		-	-
24.7.6	**BLU-113** TR: T.O 11A1-11-7			
24.7.6.1	Characteristics		A	B
24.7.6.2	Inspect		-	-
24.7.6.3	Maintenance		-	-
24.7.7	**BLU-118** TR: T.O 11A1-11-7			
24.7.7.1	Characteristics		A	B
24.7.7.2	Inspect		-	-
24.7.7.3	Maintenance		-	-
24.7.8	**BLU-122** TR: T.O 11A1-11-7			
24.7.8.1	Characteristics		A	B
24.7.8.2	Inspect		-	-
24.7.8.3	Maintenance		-	-
24.7.9	**BLU-126** TR: T.O 11A1-14-7			
24.7.9.1	Characteristics		A	B
24.7.9.2	Inspect		-	-
24.7.9.3	Maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.7.10	**BLU-129** TR: T.O 11A1-14-7			
24.7.10.1	Characteristics		A	B
24.7.10.2	Inspect		-	-
24.7.10.3	Maintenance		-	-
24.7.11	**BLU-133** TR: T.O 11A1-14-7			
24.7.11.1	Characteristics		-	-
24.7.11.2	Inspect		-	-
24.7.11.3	Maintenance		-	-
24.7.12	**BLU-134** TR: T.O 11A1-14-7			
24.7.12.1	Characteristics		-	-
24.7.12.2	Inspect		-	-
24.7.12.3	Maintenance		-	-
24.7.13	**BLU-136** TR: T.O 11A1-14-7			
24.7.13.1	Characteristics		-	-
24.7.13.2	Inspect		-	-
24.7.13.3	Maintenance		-	-
24.7.14	**BLU-137** TR: T.O 11A1-11-7			
24.7.14.1	Characteristics		-	-
24.7.14.2	Inspect		-	-
24.7.14.3	Maintenance		-	-
24.7.15	**MK-64/65 Mine**			
24.7.15.1	Characteristics		-	-
24.7.15.2	Inspect		-	-
24.7.15.3	Assemble/Disassemble Unguided Mines		-	-
24.8	**Countermeasure and leaflet munitions (PDU-5/B, M129 Series)** TR: T.O 11A3-2-7			
24.8.1	Characteristics		A	B
24.8.2	Inspect		-	-
24.8.3	Assemble/Disassemble		-	-
24.8.4	Maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.9	**Cluster Bombs CBU-87, 89, 103, 104, 105 (SUU-64/65/66 Dispensers)** TR: T.O 11A9-31-7, 11A-1-63			
24.9.1	Characteristics		A	B
24.9.2	Inspect		-	-
24.9.3	Assemble/Disassemble		-	-
24.9.4	Maintenance		-	-
24.10	**Bomb fuzes/sensors and components** TR: 11A1-12-7, 11A4-(Series), 11A7-(Series)			
24.10.1	**Mechanical Fuzes**			
24.10.1.1	Classification		A	A
24.10.1.2	Application		A	A
24.10.1.3	Characteristics		A	A
24.10.1.4	Safety devices		A	A
24.10.1.5	Accessories		A	A
24.10.2	**Electrical Fuzes**			
24.10.2.1	Classification		A	A
24.10.2.2	Application		A	A
24.10.2.3	Characteristics		A	A
24.10.2.4	Safety devices		A	A
24.10.2.5	Accessories		A	A
24.10.3	**Proximity fuzes/sensors**			
24.10.3.1	Classification		A	A
24.10.3.2	Application		A	A
24.10.3.3	Characteristics		A	A
24.10.3.4	Safety devices		A	A
24.10.3.5	Accessories		A	A

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.11	**Airbase ground defense munitions** TR: T.O 11A8-2-1, 11A8-3-7, 11A8-5-7, 11A13-6-7, 11A13-10-7			
24.11.1	**Small arms**			
24.11.1.1	Characteristics		A	B
24.11.1.2	Inspection		-	B
24.11.2	**Grenades**			
24.11.2.1	Characteristics		A	B
24.11.2.2	Inspection		-	B
24.11.3	**Mines**			
24.11.3.1	Characteristics		-	B
24.11.3.2	Inspection		-	B
24.11.4	**Mortars**			
24.11.4.1	Characteristics		-	B
24.11.4.2	Inspection		-	B
24.12	**FGM-148 Javelin** TR: T.O 21M-FGM148-2			
24.12.1	Characteristics		-	-
24.12.2	Inspection		-	-
24.12.3	Prep for use/storage		-	-
24.12.4	Maintenance		-	-
24.13	**Pyrotechnics** TR: 11A10-(series)			
24.13.1	Characteristics		A	B
24.13.2	Inspection		-	B
24.13.3	Signal flares		A	B
24.13.4	Smoke producing munitions		A	B
24.13.5	Illuminating flares		A	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.14	**Ammunition for cannon**			
24.14.1	**20MM** TR: T.O 11A13-4-7			
24.14.1.1	Characteristics		A	B
24.14.1.2	Inspection		-	B
24.14.2	**25MM** TR: T.O 11A13-16-7			
24.14.2.1	Characteristics		A	B
24.14.2.2	Inspection		-	B
24.14.3	**30MM** TR: T.O 11A13-14-7			
24.14.3.1	Characteristics		A	B
24.14.3.2	Inspection		-	B
24.14.4	**40MM** TR: T.O 11A13-11-7			
24.14.4.1	Characteristics		A	B
24.14.4.2	Inspection		-	B
24.14.5	**105MM** TR: T.O 11A13-13-7			
24.14.5.1	Characteristics		A	B
24.14.5.2	Inspection		-	B
24.15	**Demolition explosives** TR: T.O 11A20-(series)			
24.15.1	Characteristics		A	B
24.15.2	Inspect		-	-
24.16	**Impulse Cartridges** TR: 11A16-(series), 11A17- (series), 11A18-(series)			
24.16.1	Characteristics		A	-
24.16.2	Inspection		-	-
24.16.3	Maintenance		-	-
24.17	**CAD/PAD** TR: 11A18-(series), 11P-(series)			
24.17.1	Characteristics		A	B
24.17.2	Inspect		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18	**Countermeasure munitions and dispensers** TR: T.O 11A16-(series), 12P3-4-89-2, 12P3-2ALE(series)			
24.18.1	Characteristics		A	-
24.18.2	Squib/Impulse Carts		A	-
24.18.3	**Dispenser**			
24.18.3.1	**ALE-20** TR: T.O 11A16-7-23, 11A16-7-7, 12P3-2ALE20-2			
24.18.3.1.1	Characteristics		-	-
24.18.3.1.2	Maintenance		-	-
24.18.3.1.3	Inspect		-	-
24.18.3.2	**ALE-40** TR: T.O 12P3-2ALE-102			
24.18.3.2.1	Characteristics		-	-
24.18.3.2.2	Maintenance		-	-
24.18.3.2.3	Inspect		-	-
24.18.3.3	**ALE-45** TR: T.O 12P3-2ALE-102			
24.18.3.3.1	Characteristics		-	-
24.18.3.3.2	Maintenance		-	-
24.18.3.3.3	Inspect		-	-
24.18.3.4	**ALE-47** TR: T.O 12P3-2ALE-102			
24.18.3.4.1	Characteristics		-	-
24.18.3.4.2	Maintenance		-	-
24.18.3.4.3	Inspect		-	-
24.18.3.5	**ALE-48** TR T.O 12P3-4-88-2			
24.18.3.5.1	Characteristics		-	-
24.18.3.5.2	Maintenance		-	-
24.18.3.5.3	Inspect		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.3.6	**ALE-49** TR: 12P3-4-89-2			
24.18.3.6.1	Characteristics		-	-
24.18.3.6.2	Maintenance		-	-
24.18.3.6.3	Inspect		-	-
24.18.3.7	**ALE-50** TR: 12P3-2ALE50-2			
24.18.3.7.1	Characteristics		-	-
24.18.3.7.2	Maintenance		-	-
24.18.3.7.3	Inspect		-	-
24.18.3.8	**ALE-52** TR: 12P3-2ALE-102			
24.18.3.8.1	Characteristics		-	-
24.18.3.8.2	Maintenance		-	-
24.18.3.8.3	Inspect		-	-
24.18.3.9	**ALE-70** TR: 11A16-49-7, NAVAIR 11-140-7			
24.18.3.9.1	Characteristics		-	-
24.18.3.9.2	Maintenance		-	-
24.18.3.9.3	Inspect		-	-
24.18.3.10	**MJU-11** TR: 12P3-2ALE40-3			
24.18.3.10.1	Characteristics		-	-
24.18.3.10.2	Maintenance		-	-
24.18.3.10.3	Inspect		-	-
24.18.3.11	**MJU-12** TR: 12P3-2ALE40-3			
24.18.3.11.1	Characteristics		-	-
24.18.3.11.2	Maintenance		-	-
24.18.3.11.3	Inspect		-	-
24.18.3.12	**MJU-17** TR: 12P3-2ALE45-2			
24.18.3.12.1	Characteristics		-	-
24.18.3.12.2	Maintenance		-	-
24.18.3.12.3	Inspect		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.3.13	**SUU-25** TR: T.O 11A21-7-7			
24.18.3.13.1	Characteristics		A	-
24.18.3.13.2	Maintenance		-	-
24.18.3.13.3	Inspect		-	-
24.18.4	**Chaff**			
24.18.4.1	**RR-170, RR-188** TR: T.O 11A16-39-7			
24.18.4.1.1	Characteristics		-	-
24.18.4.1.2	Assemble/Disassemble		-	-
24.18.4.1.3	Load/unload		-	-
24.18.4.1.4	Inspect		-	-
24.18.4.2	**RR-180, RR-196** TR: T.O 11A16-45-7			
24.18.4.2.1	Characteristics		-	-
24.18.4.2.2	Assemble/Disassemble		-	-
24.18.4.2.3	Load/unload		-	-
24.18.4.2.4	Inspect/test		-	-
24.18.5	**Flare/Decoy**			
24.18.5.1	**ALA-17** TR: T.O 11A16-7-7			
24.18.5.1.1	Characteristics		-	-
24.18.5.1.2	Assemble/Disassemble		-	-
24.18.5.1.3	Load/unload		-	-
24.18.5.1.4	Inspect/test		-	-
24.18.5.2	**LUU-5** TR: T.O 11A10-33-7			
24.18.5.2.1	Characteristics		-	-
24.18.5.2.2	Assemble/Disassemble		-	-
24.18.5.2.3	Load/unload		-	-
24.18.5.2.4	Inspect/test		-	-
24.18.5.3	**LUU-2, LUU-19** TR: T.O 11A10-24-7			
24.18.5.3.1	Characteristics		A	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.5.3.2	Assemble/Disassemble		-	-
24.18.5.3.3	Load/unload		-	-
24.18.5.3.4	Inspect/test		-	-
24.18.5.4	**M-206** TR: T.O 11A16-41-7			
24.18.5.4.1	Characteristics		-	-
24.18.5.4.2	Assemble/Disassemble		-	-
24.18.5.4.3	Load/unload		-	-
24.18.5.4.4	Inspect/test		-	-
24.18.5.5	**M-211** TR: T.O 11A16-47-7			
24.18.5.5.1	Characteristics		-	-
24.18.5.5.2	Assemble/Disassemble		-	-
24.18.5.5.3	Load/unload		-	-
24.18.5.5.4	Inspect/test		-	-
24.18.5.6	**M-212** TR: T.O 11A16-41-7			
24.18.5.6.1	Characteristics		-	-
24.18.5.6.2	Assemble/Disassemble		-	-
24.18.5.6.3	Load/unload		-	-
24.18.5.6.4	Inspect/test		-	-
24.18.5.7	**MJU-7** TR: T.O 11A16-40-7			
24.18.5.7.1	Characteristics		-	-
24.18.5.7.2	Assemble/Disassemble		-	-
24.18.5.7.3	Load/unload		-	-
24.18.5.7.4	Inspect/test		-	-
24.18.5.8	**MJU-10** TR: T.O 11A16-43-7			
24.18.5.8.1	Characteristics		-	-
24.18.5.8.2	Assemble/Disassemble		-	-
24.18.5.8.3	Load/unload		-	-
24.18.5.8.4	Inspect/test		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.5.9	**MJU-23** TR: T.O 11A16-46-7			
24.18.5.9.1	Characteristics		-	-
24.18.5.9.2	Assemble/Disassemble		-	-
24.18.5.9.3	Load/unload		-	-
24.18.5.9.4	Inspect/test		-	-
24.18.5.10	**MJU-27** TR: T.O 11A16-47-7			
24.18.5.10.1	Characteristics		-	-
24.18.5.10.2	Assemble/Disassemble		-	-
24.18.5.10.3	Load/unload		-	-
24.18.5.10.4	Inspect/test		-	-
24.18.5.11	**MJU-32** TR: T.O 11A16-47-7			
24.18.5.11.1	Characteristics		-	-
24.18.5.11.2	Assemble/Disassemble		-	-
24.18.5.11.3	Load/unload		-	-
24.18.5.11.4	Inspect/test		-	-
24.18.5.12	**MJU-38** TR: T.O 11A16-47-7			
24.18.5.12.1	Characteristics		-	-
24.18.5.12.2	Assemble/Disassemble		-	-
24.18.5.12.3	Load/unload		-	-
24.18.5.12.4	Inspect/test		-	-
24.18.5.13	**MJU-39** TR: T.O 11A16-43-7			
24.18.5.13.1	Characteristics		-	-
24.18.5.13.2	Assemble/Disassemble		-	-
24.18.5.13.3	Load/unload		-	-
24.18.5.13.4	Inspect/test		-	-
24.18.5.14	**MJU-40** TR: T.O 11A16-43-7			
24.18.5.14.1	Characteristics		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.5.14.2	Assemble/Disassemble		-	-
24.18.5.14.3	Load/unload		-	-
24.18.5.14.4	Inspect/test		-	-
24.18.5.15	**MJU-46** TR: T.O 11A16-47-7			
24.18.5.15.1	Characteristics		-	-
24.18.5.15.2	Assemble/Disassemble		-	-
24.18.5.15.3	Load/unload		-	-
24.18.5.15.4	Inspect/test		-	-
24.18.5.16	**MJU-49** TR: T.O 11A16-47-7			
24.18.5.16.1	Characteristics		-	-
24.18.5.16.2	Assemble/Disassemble		-	-
24.18.5.16.3	Load/unload		-	-
24.18.5.16.4	Inspect/test		-	-
24.18.5.17	**MJU-50** TR: T.O. 11A16-47-7			
24.18.5.17.1	Characteristics		-	-
24.18.5.17.2	Assemble/Disassemble		-	-
24.18.5.17.3	Load/unload		-	-
24.18.5.17.4	Inspect/test		-	-
24.18.5.18	**MJU-51** TR: T.O. 11A16-47-7			
24.18.5.18.1	Characteristics		-	-
24.18.5.18.2	Assemble/Disassemble		-	-
24.18.5.18.3	Load/unload		-	-
24.18.5.18.4	Inspect/test		-	-
24.18.5.19	**MJU-52** TR: T.O. 11A16-48-7			
24.18.5.19.1	Characteristics		-	-
24.18.5.19.2	Assemble/Disassemble		-	-
24.18.5.19.3	Load/unload		-	-
24.18.5.19.4	Inspect/test		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.5.20	**MJU-53** TR: T.O. 11A16-40-7			
24.18.5.20.1	Characteristics		-	-
24.18.5.20.2	Assemble/Disassemble		-	-
24.18.5.20.3	Load/unload		-	-
24.18.5.20.4	Inspect/test		-	-
24.18.5.21	**MJU-57** TR: T.O. 11A16-47-7			
24.18.5.21.1	Characteristics		-	-
24.18.5.21.2	Assemble/Disassemble		-	-
24.18.5.21.3	Load/unload		-	-
24.18.5.21.4	Inspect/test		-	-
24.18.5.22	**MJU-61** TR: T.O. 11A16-41-7			
24.18.5.22.1	Characteristics		-	-
24.18.5.22.2	Assemble/Disassemble		-	-
24.18.5.22.3	Load/Unload		-	-
24.18.5.22.4	Inspect/Test		-	-
24.18.5.23	**MJU-62** TR: T.O. 11A16-40-7			
24.18.5.23.1	Characteristics		-	-
24.18.5.23.2	Assemble/Disassemble		-	-
24.18.5.23.3	Load/Unload		-	-
24.18.5.23.4	Inspect/Test		-	-
24.18.5.24	**MJU-64** TR: T.O. 11A16-47-7			
24.18.5.24.1	Characteristics		-	-
24.18.5.24.2	Assemble/Disassemble		-	-
24.18.5.24.3	Load/Unload		-	-
24.18.5.24.4	Inspect/Test		-	-
24.18.5.25	**MJU-66** TR: T.O. 11A16-47-7			
24.18.5.25.1	Characteristics		-	-
24.18.5.25.2	Assemble/Disassemble		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
24.18.5.25.3	Load/unload		-	-
24.18.5.25.4	Inspect/test		-	-
24.18.5.26	**MJU-68** TR: T.O. 11A16-41-7			
24.18.5.26.1	Characteristics		-	-
24.18.5.26.2	Assemble/Disassemble		-	-
24.18.5.26.3	Load/Unload		-	-
24.18.5.26.4	Inspect/Test		-	-
24.18.5.27	**MJU-71** TR: T.O. 11A16-41-7			
24.18.5.27.1	Characteristics		-	-
24.18.5.27.2	Assemble/Disassemble		-	-
24.18.5.27.3	Load/Unload		-	-
24.18.5.27.4	Inspect/Test		-	-
24.18.5.28	**RT-1646** TR: T.O. 11A16-38-7			
24.18.5.28.1	Characteristics		-	-
24.18.5.28.2	Assemble/Disassemble		-	-
24.18.5.28.3	Load/Unload		-	-
24.18.5.28.4	Inspect		-	-
25	**GUIDED MUNITIONS**			
25.1	**Principles**			
25.1.1	Guidance systems		A	B
25.1.2	Control systems		A	B
25.1.3	Warhead systems		A	B
25.1.4	Propulsion systems		A	B
25.2	**GBU-10 Series** TR: T.O. 11K10-2-7, 11A-1-63			
25.2.1	Characteristics		A	B
25.2.2	Assemble/Disassemble		-	-
25.2.3	Inspect		-	-
25.2.4	Maintenance		-	-
25.3	**GBU-12 series** TR: T.O. 11K10-2-7, 11A-1-63			
25.3.1	Characteristics		A	B

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.3.2	Assemble/Disassemble		-	-
25.3.3	Inspect		-	-
25.3.4	Maintenance		-	-
25.4	**GBU-49 series** TR: T.O. 11K49-2-7, 11A-1-63			
25.4.1	Characteristics		-	-
25.4.2	Assemble/Disassemble		-	-
25.4.3	Inspect		-	-
25.4.4	Maintenance		-	-
25.4.5	Perform BIT/reprogramming (GBU-49)		-	-
25.5	**GBU-51 series** TR: T.O. 11A-1-63			
25.5.1	Characteristics		-	-
25.5.2	Assemble/Disassemble		-	-
25.5.3	Inspect		-	-
25.5.4	Maintenance		-	-
25.6	**GBU/EGBU-24 series** TR: T.O. 11K20-2-7, 11A-1-63			
25.6.1	Characteristics		A	B
25.6.2	Assemble/Disassemble		2b	-
25.6.3	Inspect		-	-
25.6.4	Maintenance		-	-
25.7	**GBU/EGBU-28 series** TR: T.O. 11K28-2-7, 11A-1-63			
25.7.1	Characteristics		-	-
25.7.2	Assemble/Disassemble		-	-
25.7.3	Inspect		-	-
25.7.4	Maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.8	**Digital Test Set TTU-595** TR: T.O. 33D5-27-23-3			
25.8.1	Characteristics		A	B
25.8.2	Prep for use/storage		-	-
25.8.3	Perform checkout		-	-
25.8.4	Perform user maintenance		-	-
25.8.5	Perform CCG/GCU function test		-	-
25.9	**Miniature Munitions**			
25.9.1	**BRU-61 Carriage System** TR: T.O. 11B29-3-73-1			
25.9.1.1	Characteristics		A	A
25.9.1.2	Inspect		2b	B
25.9.1.3	Perform BIT/reprogramming		-	B
25.9.2	**GBU-39 Small Diameter Bomb Increment I (SDB-I) series** TR: T.O. 11K39-2-7			
25.9.2.1	Characteristics		A	A
25.9.2.2	Inspect		2b	B
25.9.2.3	Perform BIT/reprogramming		-	B
25.9.2.4	Upload/download to/from carriage system		2b	B
25.9.3	**GBU-53 Small Diameter Bomb Increment II (SDB-II) series** TR: T.O. 11K53-2-7			
25.9.3.1	Characteristics		A	A
25.9.3.2	Inspect		-	B
25.9.3.3	Perform BIT/reprogramming		-	B
25.9.3.4	Upload/download to/from carriage system		-	B
25.10	**Wind Corrected Munitions Dispenser (WCMD) series** T.O. TR: 11A9-31-7			
25.10.1	Characteristics		A	A
25.10.2	Inspect		-	-
25.10.3	Prep for use/Storage		-	-
25.10.4	Perform BIT/reprogramming		-	-
25.10.5	Maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.11	**Joint Direct Attack Munition (JDAM) series** TR: T.O. 11K31-2-7, 11A-1-63			
25.11.1	**GBU-31 Series**			
25.11.1.1	Characteristics		A	B
25.11.1.2	Inspect		2b	-
25.11.1.3	Assemble/Disassemble		2b	-
25.11.1.4	Maintenance		-	-
25.11.1.5	Perform BIT/reprogramming		-	-
25.11.2	**GBU-32 Series**			
25.11.2.1	Characteristics		A	B
25.11.2.2	Inspect		-	-
25.11.2.3	Assemble/Disassemble		-	-
25.11.2.4	Maintenance		-	-
25.11.2.5	Perform BIT/reprogramming		-	-
25.11.3	**GBU-38 Series**			
25.11.3.1	Characteristics		A	B
25.11.3.2	Inspect		2b	-
25.11.3.3	Assemble/Disassemble		2b	-
25.11.3.4	Maintenance		-	-
25.11.3.5	Perform BIT/reprogramming		2b	-
25.11.4	**GBU-54 Series**			
25.11.4.1	Characteristics		A	B
25.11.4.2	Inspect		-	-
25.11.4.3	Assemble/Disassemble		-	-
25.11.4.4	Maintenance		-	-
25.11.4.5	Perform BIT/reprogramming		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.11.5	**GBU-56 Series**			
25.11.5.1	Characteristics		-	-
25.11.5.2	Inspect		-	-
25.11.5.3	Assemble/Disassemble		-	-
25.11.5.4	Maintenance		-	-
25.11.5.5	Perform BIT/reprogramming		-	-
25.12	**GBU-57 - Massive Ordnance Penetrator (MOP)** TR: T.O. 11K57-2-7			
25.12.1	Characteristics		-	-
25.12.2	Inspect		-	-
25.12.3	Assemble/Disassemble		-	-
25.12.4	Maintenance		-	-
25.12.5	Perform test/checkout		-	-
25.12.6	**MHU-204 Mate/Demate Ops** TR: T.O. 11N-H5083-01, 11N-H5083-1CL-1, 35E-2-2			
25.12.6.1	Inspect/Use MOP Load Adapter		-	-
25.12.6.2	Mate/Demate MOP Adapter		-	-
25.12.6.3	Inspect/Use Launcher Load Adapter		-	-
25.12.6.4	Mate/Demate Launcher Load Adapter		-	-
25.12.6.5	Emergency Shut-down procedures		-	-
25.12.6.6	Shutdown procedures		-	-
25.12.6.7	Startup procedures		-	-
25.12.7	**MOP Rail and Dolly Assembly** TR: T.O. 35E-2-2			
25.12.7.1	Characteristics		-	-
25.12.7.2	Inspect		-	-
25.12.7.3	Assemble/Disassemble		-	-
25.12.7.4	Maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.13	**GBU-69/B** TR: T.O. 11K69-2-7			
25.13.1	Characteristics		-	-
25.13.2	Prep for use/storage		-	-
25.13.3	Inspect		-	-
25.13.4	Perform IBIT		-	-
25.14	**GBU-70/B** TR: T.O. 11K69-2-7			
25.14.1	Characteristics		-	-
25.14.2	Prep for use/storage		-	-
25.14.3	Inspect		-	-
25.14.4	Perform IBIT		-	-
25.15	**Reconfiguration Avionics Test Set (RATS)** TR: T.O. 11K69-2-7			
25.15.1	Characteristics		-	-
25.15.2	Prep for use/storage		-	-
25.15.3	Perform checkout		-	-
25.15.4	Perform operator maintenance		-	-
25.16	**AGM-158 Series (JASSM)** TR: T.O. 21-AG158A-2			
25.16.1	Characteristics		A	B
25.16.2	Inspect		-	-
25.16.3	Prep for use/storage		-	-
25.16.4	Maintenance		-	-
25.16.5	Perform BIT reprograming		-	-
25.16.6	Support Equipment		-	-
25.17	**AGM-158C** TR: T.O. 21-AG158A-2			
25.17.1	Characteristics		-	-
25.17.2	Inspect		-	-
25.17.3	Prep for use/storage		-	-
25.17.4	Maintenance		-	-
25.17.5	Perform BIT reprograming		-	-
25.17.6	Support Equipment		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.18	**AIM/CATM-120 series** TR: T.O. 21M-AIM120-2			
25.18.1	Characteristics		A	B
25.18.2	Inspect		-	-
25.18.3	Maintenance		-	-
25.18.4	Perform BIT/reprogramming		-	-
25.18.5	Assemble/Disassemble (CATM- 120D only)		-	-
25.18.6	Prep for use/storage (CATM- 120D only)		-	-
25.18.7	Perform checkout (CATM-120D only)		-	-
25.19	**AIM/CATM/DATM-9X** TR: T.O. 21M-AIM9X-2			
25.19.1	Characteristics		A	A
25.19.2	Inspect		-	-
25.19.3	Maintenance		-	-
25.19.4	Perform BIT/reprogramming		-	-
25.20	**Common Munitions Bit Reprogramming Equipment (CMBRE) AN/GYQ-79 series** TR: T.O. 33D7-3-372-11			
25.20.1	Characteristics		A	B
25.20.2	Prep for use/storage		2b	-
25.20.3	Perform checkout		2b	-
25.20.4	Perform operator maintenance		-	-
25.20.5	**ADU-891** TR: T.O. 33D7-3-372-11			
25.20.5.1	Characteristics		A	B
25.20.5.2	Prep for use/storage		-	-
25.20.5.3	Perform checkout		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.21	**AIM/CATM/DATM-9M/AMA** TR: T.O. 21M-AIM9M-2, 11G14-4-11			
25.21.1	Characteristics		A	A
25.21.2	Inspect		2b	-
25.21.3	Assemble/Disassemble		2b	-
25.21.4	Maintenance		-	-
25.21.5	**Test Set TS-4044 B/D** TR: T.O. 33D9-54-67-31			
25.21.5.1	Characteristics		A	A
25.21.5.2	Prep for use/storage		-	-
25.21.5.3	Perform Checkout		-	-
25.21.5.4	Perform user maintenance		-	-
25.21.5.5	Perform WGU-4 function test		-	-
25.21.6	**GCU-30/E Recharging Unit** TR: T.O. 35D18-5-1			
25.21.6.1	Characteristics		A	A
25.21.6.2	Prep for use/storage		-	-
25.21.6.3	Perform purge/shutdown		-	-
25.21.6.4	Operate		-	-
25.21.6.5	Perform user maintenance		-	-
25.22	**AGM-65 series** TR: T.O. 21M-AGM65-(series)			
25.22.1	Characteristics		A	A
25.22.2	Inspect		-	-
25.22.3	Assemble/Disassemble (HAS/G&C)		-	-
25.22.4	Maintenance		-	-
25.22.5	**Test Set AN/DSM-157** TR: T.O. 33D9-54-62-1			
25.22.5.1	Characteristics		A	A
25.22.5.2	Prep for use/shipment		-	-
25.22.5.3	Perform cluster checkout		-	-

		Core Tasks	3 Skill Level Course	5 Skill Level CDC

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.22.5.4	Perform operator maintenance		-	-
25.22.6	**AN/DSM-129 Target Simulator** TR: T.O. 33D9-61-39-1			
25.22.6.1	Characteristics		A	A
25.22.6.2	Prep for use/storage		-	-
25.22.6.3	Perform Function Test			
25.22.6.3.1	AGM-65A/B/H/K		-	-
25.22.6.3.2	AGM-65L Video Verification Test		-	-
25.22.6.3.3	Perform user maintenance		-	-
25.22.7	**SM 787/DSM Target Simulator (IR)** TR: T.O. 33D9-14-70-1			
25.22.7.1	Characteristics		A	A
25.22.7.2	Prep for use/storage		-	-
25.22.7.3	Perform Missile Checkout			
25.22.7.3.1	AGM-65D		-	-
25.22.7.3.2	AGM-65G		-	-
25.22.7.3.3	Perform operator maintenance		-	-
25.23	**AGM-88 series** TR: T.O. 21M-AGM88-(series)			
25.23.1	Characteristics		A	A
25.23.2	Inspect		-	-
25.23.3	Assemble/Disassemble		-	-
25.23.4	Maintenance		-	-
25.23.5	**Test Set AN/GSM-396** TR: T.O. 33D9-45-42-1			
25.23.5.1	Characteristics		-	B
25.23.5.2	Prep for use/shipment		-	-
25.23.5.3	Perform missile checkout		-	-
25.23.5.4	Perform operator maintenance		-	-

1. Tasks, Knowledge And Technical References		Core Tasks	3 Skill Level Course	5 Skill Level CDC
25.24	**AGM-114 (Hellfire) Series** TR: T.O. 21-AGM114-2			
25.24.1	Characteristics		A	A
25.24.2	Inspect		-	-
25.24.3	Prep for use/storage		-	-
25.24.4	Maintenance		-	-
25.25	**Miniature Air Launch Decoy (MALD) Series** TR: T.O. 21-AD160B-2			
25.25.1	Characteristics		-	-
25.25.2	Inspect		-	-
25.25.3	BIT/Reprogramming/Classified Data Erase		-	-
25.25.4	Prep for use/storage		-	-
25.26	**AGM-176 (Griffin)** TR: T.O. 21-AG176A-2			
25.26.1	Characteristics		-	-
25.26.2	Prep for use/storage		-	-
25.26.3	Inspect		-	-
25.26.4	Perform IBIT		-	-