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CFETP 2W2X1  
Part I and II  
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**AFSC 2W2X1**

**NUCLEAR WEAPONS**



**CAREER FIELD**

**EDUCATION AND TRAINING PLAN**

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## Part I

### *Preface*

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for the Nuclear Weapons specialty. This CFETP was developed in accordance with the requirements in DAFI 36-2670, Total Force Development. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts. Both parts of the plan will be used by supervisors to plan, manage, and control training within the career field. This plan will be used as the sole source of initial training documentation. Supervisors will maintain both Part I and II in the master training plan. Only Part II is required for individual training records; however, all personnel should be familiar with Part I.

**2.1.** Part I provides information necessary for overall management of the specialty. Section A explains how to 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. Some examples are funds, manpower, equipment, and facilities; Section E identifies transition training guide requirements for SSgt through MSgt.

**2.2.** Part II includes the following: Section A is the Course Objective List and Section B identifies available support materials. An example is Qualification Training Packages (QTPs), which may be developed to support proficiency training. Section C identifies the training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses, correspondence course requirements and exportable courses; Section D identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs. Section E contains the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, proficiency codes used to indicate training/information provided by Air Education and Training Command (AETC), core tasks and the certification for On-the-Job Training (OJT) where supervisors determine if airmen satisfied training requirements.

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

## ***Abbreviations/Terms Explained***

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

**Air Force Career Field Manager (AFCFM).** An individual designated by HQ USAF/A4LW who determines training requirements and directs training programs for the 2W2X1 career field.

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

**Air Force Specialty (AFS).** The grouping of related tasks, knowledge, and duties of a job that constitutes the work requirement of a position. It contains positions that require the same basic ability to perform.

**Air Force Specialty Code (AFSC).** Assigned to a grouping of positions that require common qualifications in relation to skill level.

**Career Development Course (CDC).** A self-study exportable course that helps personnel complete the specialty knowledge portion of the dual-channel OJT program.

**Career Field Education and Training Plan (CFETP).** 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.

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

**Core Task.** Tasks the AFCFM identify as minimum qualification for everyone within an AFSC. Core tasks may be adjusted for duty position requirements or deployment training, as determined by the AFCFM.

**Course Objective List (COL).** A publication, derived from initial/advanced skills course training standard, identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3/5/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2670, *Total Force Development*.

**Enlisted Development Team (EDT).** Developed under direction of the Force Management and Development Council and officially chartered 1 July 2011 by AF/A4L. EDT may evaluate and vector Airmen to developmental and leadership positions, through collective recommendation based on experiences, training or position type that the member should consider for their next assignment. Vectors do not necessarily constitute an assignment. Additional information may be posted on the AF/A4LW Force Development SharePoint site.

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

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

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

**Job Qualification Standard (JQS).** A comprehensive list that describes a particular job type or duty position. The JQS is used by supervisors to document individual qualifications. These qualifications are tailored to meet individual training requirements for their particular duty position.

**MAJCOM Functional Manager (MFM).** The designated 2W2 assigned to the Headquarters staff that is responsible for identifying command qualification requirements and coordinating training solutions for each skill level.

**Master Task Listing (MTL).** A document maintained within the work center that identifies all tasks performed in the work center. This includes core, critical, position qualifications, and wartime tasks. This document may be printed, computer-based, or in other audiovisual media.

**Master Training Plan (MTP).** A comprehensive training plan used within the work center. It can include the MTL, QTP, AFIQs, CFETP, task breakdowns, publications, and any other document that supports training.

**Nuclear Weapons Certification Program.** An AFMAN 21-204, *Nuclear Weapons Maintenance*, requirement over and above the qualification/certification procedures contained in AFI 36-2670, *Total Force Development*, and this document. This program takes precedence over all other publications in the area of nuclear weapons training, certification and evaluation.

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

**On-the-Job Training (OJT).** Training conducted to certify personnel in both upgrade (skill level awarding) and job qualification (duty position) training.

**Optimal Training.** The ideal training environment, which results in the highest level of proficiency, on specified performance requirements, within the minimum time possible.

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

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

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

**Skills Training.** A formal course, which results in the award of a skill level.

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

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

**Task Certification.** This program is implemented by appointing task certifiers who are capable and technically qualified to evaluate and document an individual's qualifications for performing specific tasks.

**Task Certifier.** An individual authorized to evaluate training and certify qualifications. Records task certification according to the instructions provided in the respective JQS when a trainee performs a task to required standards. Each certifier must attend a formal task certifier course and remain qualified in the tasks evaluated. Uses established training evaluation tools and methods to determine trainee's ability and training program effectiveness. Certifiers will not evaluate tasks they have trained airmen to perform.

**Training Business Area (TBA).** TBA journal entry is an AF Portal, net-centric, GCSS-AF level web-based application that provides global, real-time visibility into the technical qualification and training status of maintenance personnel Air Force wide. Unit managers will use TBA as prescribed in implementation guidelines.

**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.

**Training Requirements Analysis.** A detailed analysis of tasks for a particular AFS to be included in the training decision process.

**Upgrade Training (UGT).** A mix of formal training (technical school) and informal training (OJT) to qualify and upgrade airmen in each skill level of the 2W2X1 specialty.

**Utilization and Training Workshop (U&TW).** A forum of the AFCFM, MFMs, unit subject matter experts, and AETC training personnel that determine career field ladder training requirements.

## ***Section A - CFETP General Information***

**1. Purpose.** The Nuclear Weapons CFETP provides information necessary for the 2W2X1 AFCFM, MFMs, commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. The plan outlines the training that individuals in AFSC 2W2X1 must receive in order to develop and progress throughout their career. The 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 Air Force or upon retraining into this specialty for award of the 3-skill level. For nuclear weapons technicians, this training is conducted by AETC at the 363rd Training Squadron, Sheppard AFB. Upgrade training identifies the mandatory courses, task/knowledge qualification requirements, and correspondence course requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an Airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill 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 OJT provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

**1.1.** Serves as a management tool to plan, manage, conduct, and evaluate the training program. In addition, it helps supervisors identify training requirements so individuals receive training at the appropriate point in their career.

**1.2.** Identifies and documents task and knowledge training requirements for each skill level in the specialty and identifies education and training throughout each phase of an individual's career.

**1.3.** Lists training courses available, identifies sources of training, and the training delivery method.

**1.4.** Identifies major resource constraints that impact full implementation of the career field training process.

**2. Uses.** 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.

**2.1.** AETC training personnel will develop or revise formal resident, non-resident, field, and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will coordinate with the AFCFM and MFMs to develop acquisition strategies for obtaining resources needed to provide training.

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

**2.3.** Each individual must complete the mandatory training requirements (core tasks) specified in this plan for skill level upgrade. The Part II lists courses to support training.

**3. Coordination and Approval.** The AFCFM is the approval authority for the CFETP. MAJCOM and AETC representatives will identify and coordinate on the career field training requirements. The AETC training manager for this specialty (363TRS/TRR, Sheppard AFB) will initiate an annual review of this document. Using the list of courses in Part II, they will eliminate duplicate training.

## ***Section B - Career Progression and Information:***

### **1. Specialty Description.**

**1.1. Specialty Summary.** Inspects, maintains, stores, handles, modifies, repairs, and accounts for nuclear weapons, weapon components, associated equipment, and specialized/general test and handling equipment.

**1.2. Duties and Responsibilities.** Stores, handles, transports, inspects, assembles, disassembles, maintains, and modifies nuclear warheads, bombs, missiles, reentry vehicles and systems, launchers, pylons, ejector racks, penetration aids, and associated test and handling equipment. Installs and removes nuclear warheads, bombs, missiles, and reentry vehicles. Maintains and operates Use Control (UC) equipment. Troubleshoots and maintains test sets. Inspects, maintains, and operates vehicles and munitions handling equipment used to transport nuclear weapons and components. Uploads, downloads, and cross loads nuclear weapons to launch gear. Resolves maintenance problems in accordance with technical guidance, reviews publications for accuracy and submits applicable improvement reports, and performs periodic inspections on weapons or equipment and submits deficiency reports. Observes proper procedures for the handling, use, and disposal of hazardous waste materials. Complies with nuclear, missile, explosive, and general safety requirements; weapons systems safety rules; and technical order procedures. Complies with two-person concept and no-lone zone requirements. Maintains and troubleshoots Weapon Storage and Security System (WS3). Performs or assists in emergency disablement or evacuation of nuclear weapons and components. Inspects, audits and maintains high security locks, keys, and code modules. Assists in performing operational checks on facility alarm systems. Stores, issues, inspects, maintains, and uses small arms and ammunition for security force support and contingency taskings. Performs escort duties. Performs weapons inventory, accountability, reporting, and verification procedures using the Defense Integration and Management of Nuclear Data Services (DIAMONDS). Plans, organizes, directs, inspects, and evaluates nuclear weapon activities, and performs nuclear weapon management functions.

Plans, schedules, inspects, and evaluates nuclear maintenance actions, including maintenance on related components and specialized test and handling equipment. Establishes production control, performance standards, and determines maintenance priorities. Coordinates maintenance actions with MAJCOM, wing, base, or squadron maintenance and munitions organizations. Ensures conformance to prescribed quality and safety standards. Conducts periodic reviews to identify and then resolve maintenance and supply problems.

**2. Skills and Career Progression.** Adequate training and timely progression from the apprentice to the superintendent skill level plays an important role in the Air Force's ability to accomplish its mission. Everyone must 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. Additionally, continued academic education through CCAF or other degree programs is highly encouraged, but not mandatory for career progression.

**2.1. Apprentice (3) Level.** Upon completion of initial skills training, a trainee works with a trainer and their supervisor to enhance their task knowledge and develop their maintenance skills. They will use the 2W251 CDC to expand their task knowledge, perform Task Qualification Training tasks as directed by supervisors identified in the STS, and certify to perform nuclear weapons maintenance in accordance with the Nuclear Weapons Certification Program in AFMAN 21-204, *Nuclear Weapons Maintenance*.



**2.2. Journeyman (5) Level.** Once upgraded to the 5-skill level, a journeyman may enter in continuation training working in different functional areas to broaden his or her experience base. Personnel perform, supervise or direct nuclear weapons maintenance tasks.

**2.3. Craftsman (7) Level.** Craftsmen gain experience in various supervisory positions, such as team chief, bay chief, shift supervisor, NCOIC, section or element chief. Also, 7-levels fill select staff positions. Personnel are encouraged to take courses to develop their management of resources and personnel skills, and must complete the 7-level CDC before upgrade to the 7-skill level. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy (NCOA). **Note:** The individual supervising the Nuclear Accountability and Reporting Section (NARS) must be a 2W271.

**2.4. Superintendent (9) Level.** A 9-skill level Nuclear Weapons manager fills supervisory and management positions such as NCOIC, section or element chief, flight chief, and maintenance superintendent/manager. Additionally, they fill select staff positions. All 9-skill levels should seek additional training in budget, manpower, resources, and personnel management through continuing education programs. All 9-skill levels attend the Senior Noncommissioned Officer Academy (SNCOA) upon promotion to SMSgt, if not afforded the opportunity as a MSgt.

**3. Training Decisions.** The CFETP identifies the entire spectrum of training requirements for the Nuclear Weapons Specialty. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure nuclear weapon technicians have the fundamental technical knowledge to perform weapons related duties and possess specific systems knowledge prior to upgrade.

**4. 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 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>.

**4.1. CCAF Degree Requirements.** All enlisted Airmen are automatically entered into the CCAF program. Prior to completing an associate degree, the Journeyman (5 skill-level) must be held at the time of graduation. A minimum of 16 semester hours of CCAF Institutional credit must be applied to graduate and can be fulfilled through technical education. View the full Nuclear Weapons System Technology (4VHJ) degree requirements in the CCAF General Catalog at the Air University homepage at [Air University \(af.edu\)](http://Air University (af.edu)).

Semester Hours

Technical Education .....	24
Leadership, Management, and Military Studies (PME) .....	6
General Education (Civilian) .....	15
Oral / Written Communication (6), Mathematics (3), Social Science (3) Humanities (3)	
Program Electives .....	15
.....	Total: 60

## 5. Career Field Path and Assignments.

### 5.1 Enlisted Career Path.

<b>Table 5.1 Enlisted Career Path</b> (Depicts a complete picture of education and training for all skill levels)				
	<b>GRADE REQUIREMENTS</b>			
<b>Education and Training Requirements</b>	<b>Rank</b>	<b>Average Sew-On</b>	<b>Earliest Sew-On</b>	<b>High Year of Tenure</b>
<b>Basic Military Training School</b>				
<b>Apprentice Technical School (3-Skill Level)</b>	Amn	6 months		
<b>Upgrade to Journeyman (5-Skill Level)</b> -Minimum 12 months OJT -Minimum 9 months OJT for retrainees -Complete 2W251 A&B CDCs -Minimum 12 months certification on any certifiable task, excluding transport, as outlined in AFMAN 21-204	A1C  SrA	16 months  3 years	28 months	10 years
<b>Airman Leadership School (ALS)</b> Must be a SrA with 48 months TIS or SSgt select Resident graduation is a prerequisite for SSgt sew-on	<b>Trainer</b> 1. Recommended by their supervisor 2. Qualified to perform the task being trained 3. Must attend formal Air Force Trainer Course			
<b>Upgrade to Craftsman (7-Skill Level)</b> -Minimum rank of SSgt -Minimum 12 months OJT -Minimum 6 months OJT for retrainees -Complete 2W271 CDC -Minimum 12 months certification as a team chief on any certifiable task, excluding transport, as outlined in AFMAN 21-204	SSgt	4.5 years	3 years	20 years
<b>* AF Nuclear Weapons (2W2) Enlisted Development Team (EDT)</b> -EDT was developed under direction of the Force Management and Development Council -Officially chartered 1 July 2011 by AF/A4L -EDT evaluate and vector Airmen to developmental and leadership positions -Vectors are the collective recommendation based on experiences, training or position type that the member should consider for their next assignment -Vectors do not necessarily constitute an assignment	<b>TSgt selects though CMSgts may be evaluated by the EDT</b> -Airmen may be asked to provide an Enlisted Development Plan (survey) detailing some personal information, duty history and future plans			

<b>Noncommissioned Officer Academy (NCOA)</b>	TSgt	12.5 years	5 years	22 years
-Must be a TSgt or TSgt Selectee -Resident graduation is a prerequisite for MSgt sew-on	MSgt	17 years	8 years	24 years
<b>USAF Senior NCO Academy (SNCOA)</b> -Must be a SMSgt Selectee or a selected MSgt	<b>SNCO Development</b> -CCAF degree should be completed -Non-resident PME should be completed			
<b>Upgrade to Superintendent (9-Skill Level)</b> -Minimum rank of SMSgt	SMSgt	20 years	11 years	26 years
<b>Upgrade to Chief Enlisted Manager (AFSC 2W200)</b>	CMSgt	22 years	14 years	30 years

\* This is not an Education and Training Requirement

**Table 5.2 2W2XX Career Assignment Locations**

Location	CMSgt	SMSgt	MSgt	TSgt	SSgt	SrA	A1C	Amn-AB
Aviano AB, IT		X	X	X	X	X	X	X
Barksdale AFB, LA	X	X	X	X	X	X	X	X
Buechel AB, GE			X	X	X	X	X	
Eglin AFB, FL			X	X				
FE Warren AFB, WY	X	X	X	X	X	X	X	X
Ghedi AB, IT			X	X	X	X	X	
Incirlik AB, TU		X	X	X	X	X		
Kleine Brogel AB, BE			X	X	X	X	X	
Kirtland AFB, NM	X	X	X	X	X	X	X	X
RAF Lakenheath, UK		X	X	X	X	X	X	X
Malmstrom AFB, MT	X	X	X	X	X	X	X	X
Minot AFB, ND	X	X	X	X	X	X	X	X
Offutt AFB, NE			X					
Patch Barracks, GE			X					
Pentagon, DC	X	X						
Ramstein AB, GE	X	X	X	X	X			
Sheppard AFB, TX			X	X	X			
Spangdahlem AB, GE			X	X				
Vandenberg AFB, CA		X	X	X	X			
Volkel AB, NL			X	X	X	X	X	
Whiteman AFB, MO	X	X	X	X	X	X	X	X

\* NOTE: Authorizations listed above are subject to change without notice.

**5.2. Occupational Badge Wear Guidance.** The following guidance details which occupational badges are worn by the Nuclear Weapons AFSC and their award criteria. NOTE: The Missile Badge is only earned and worn by individuals qualifying for SEI 829, MMIII Reentry System Maintenance or SEI 821, ALCM Maintenance.

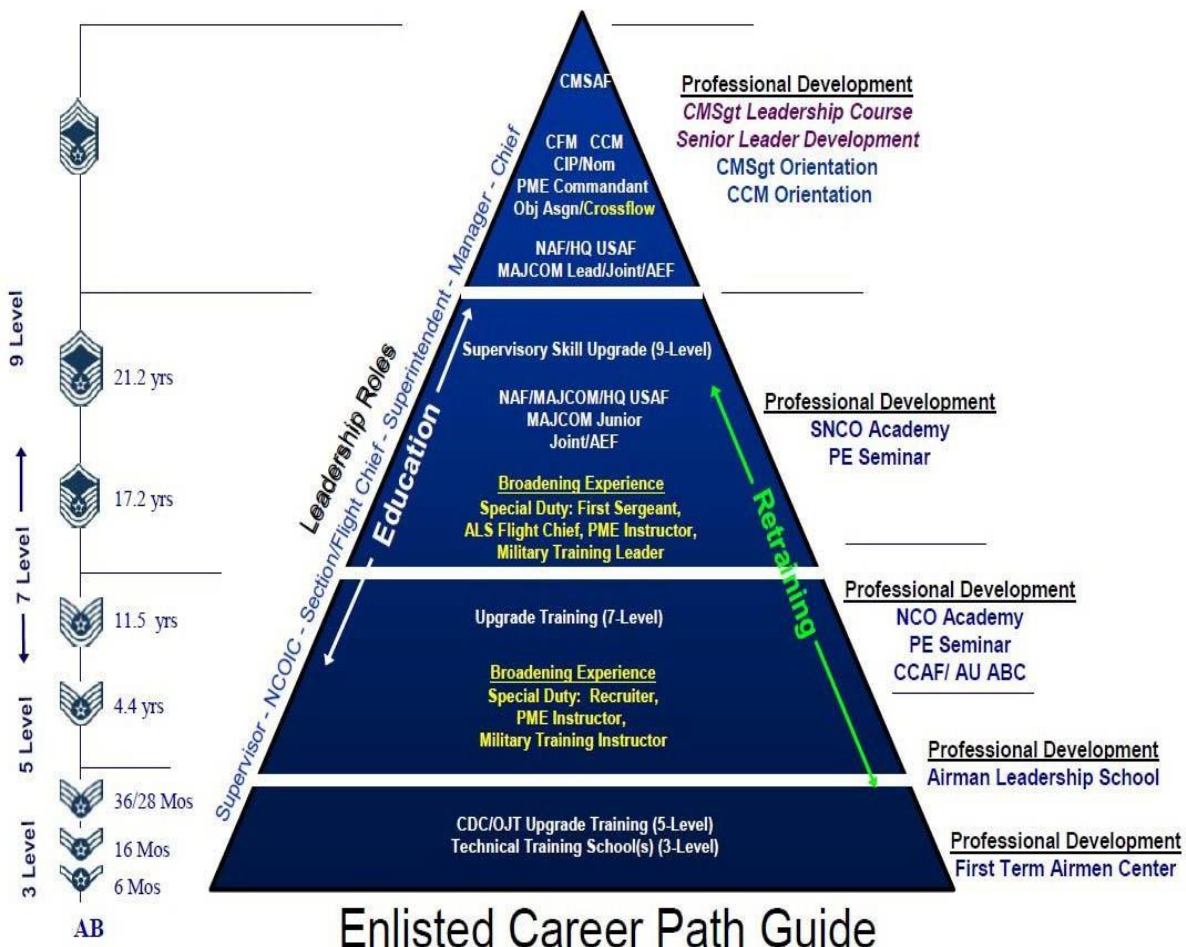
**5.2.1.** By HQ USAF direction, personnel no longer earn occupational badges upon graduation from the 3-skill level initial training course.

**5.2.2.** Upon upgrade to the 5-skill level, personnel earn the Basic Maintenance Badge and/or Basic Missile Badge.

**5.2.3.** Upon upgrade to the 7-skill level, personnel earn the Senior Maintenance Badge and/or Senior Missile Badge.

**5.2.4.** Upon promotion to MSgt, personnel earn the Master Maintenance Badge and/or Master Missile Badge, granted 5-years has passed since upgrade to the 7-skill level.

**5.2.5.** Follow guidance outlined in AFI 36-2903, *Dress and Personal Appearance of Air Force Personnel*, for wear of the Maintenance and Missile Badge.



## ***Section C - Skill Level Training Requirements***

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

### **2. Specialty Qualification Requirements:**

**2.1. Knowledge.** Knowledge of electrical and mechanical principles; safety and security requirements for nuclear weapons; interpreting block diagrams and technical orders; and proper handling, use, and disposal of hazardous waste and materials is mandatory.

**2.2. Other.** For entry, award, and retention the following are mandatory:

**2.2.1.** Passing color vision as defined by getting a 55 or better on the Cone Contrast Test (CCT) or correctly identifying at least 10 of 14 Ishihara Plates (PIP) and passing depth perception as defined in the Medical Standards Directory, a companion document to DAFMAN 48-123, *Medical Examinations and Standards*.

**2.2.2.** Individuals must meet eligibility requirements to fill critical PRP positions in accordance with DoDM 5210.42, *Nuclear Weapons Personnel Reliability Program (PRP) Regulation* and DoDM 5210.42\_AFMAN 13-501, *Nuclear Weapons Personnel Reliability Program (PRP)*.

**2.2.3.** No record of sustained, untreatable emotional instability as specialty requires continued access to nuclear weapons and components.

**2.2.4.** Specialty requires routine access to Tier 5 (T5) information, systems or similar classified environments. For award and retention of AFSCs 2W231/51/71/91/00, completion of a current Single Scope Background Investigation (SSBI) according to DoDM 5200.02, *Procedures for the DoD Personnel Security Program (PSP)* and DoDMAN5200.02\_AFMAN 16-1405, *Air Force Personnel Security Program* are mandatory.

**2.2.5.** 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*.

### **2.3. Specialty Specific Qualifications:**

#### **2.3.1. 3 Skill Level Training:**

**2.3.1.1. Education.** For entry into this specialty, completion of high school or general educational development equivalency is mandatory. Courses in mechanics, physics, or basic electricity are desirable.

**2.3.1.2. Training.** For award of AFSC 2W231, successful completion of the Nuclear Weapons Apprentice Course, J3ABR2W231 047X is mandatory.

**2.3.1.3. Training Sources.** The nuclear weapons technical school at Sheppard AFB provides the basic knowledge and skills necessary for the award of the 3-skill level. The training provided at the technical school can be reviewed by examining the 3-skill level column in the STS.

**2.3.1.4. Implementation.** Students are awarded a 3-skill level upon successful completion of the Nuclear Weapons Apprentice Course, J3ABR2W231 047X. The AFCFM has specified the minimum passing score for all progress checks and exams will be 80%.

### **2.3.2. 5 Skill Level Training:**

**2.3.2.1 Specialty Qualification.** Qualification in and possession of AFSC 2W231. Familiarized with functions such as inspecting, maintaining, handling, and repairing nuclear weapons, weapon components, and related test and handling equipment is required.

**2.3.2.2. Experience.** A minimum of 12 months experience as a trainee (UGT) is required for upgrade to the 5-skill level (minimum 9 months for retrainees). Additionally, individuals must be certified for a minimum of 12 months as a weapons maintenance team member on a weapons maintenance, mate/demate, or handling task, as outlined in AFMAN 21-204, *Nuclear Weapons Maintenance*; this experience may be accumulative providing the minimum time requirement is met. Transport certification will not be utilized to meet this requirement. For units not possessing War Reserve weapons, units will maintain upgrade training requirements utilizing training assets. Units must ensure individuals in upgrade training gain experience performing tasks such as inspecting, maintaining, storing, handling and repairing nuclear weapons, weapon components, and related test and handling equipment. The TBA journal entry will be used to document this experience.

**2.3.2.3. Training Sources.** The 2W251 CDC is developed and maintained by AETC and administered by 2 AF Air Force Career Development Academy (AFCDA). Supervisors are responsible for enrolling trainees and administering the course IAW AFI 36-2670, *Total Force Development*. The CDCs provide much of the knowledge necessary for upgrade training. Qualification training is provided by the supervisor and trainer to the trainee by using the JQS to determine qualification/knowledge tasks to be trained.

**2.3.2.4. Implementation.** Entry into upgrade training to the 5-skill level is initiated after an individual has been awarded the 3-skill level. The individual is then enrolled in CDC 2W251 Set A or Set B. The 5-skill level is awarded to individuals who complete 12 months of OJT (9 months for retrainees), completes all 5-level core tasks, completes Set A and Set B CDCs (both sets must be completed prior to upgrade), and has a minimum of 12 months as a weapons maintenance team member on a weapons maintenance, mate/demate, or handling task, as outlined in AFMAN 21-204, *Nuclear Weapons Maintenance*. Qualification training is initiated anytime an individual is assigned duties he/she is not qualified to perform. Document team member experience in TBA journal entry.

### **2.3.3. 7 Skill Level Training:**

**2.3.3.1 Specialty Qualification.** Qualification in and possession of AFSC 2W251. Experience in performing or supervising functions such as inspecting, maintaining, handling, and repairing nuclear weapons, weapon components, and related test and handling equipment is required. Pursuing an Associate's Degree through CCAF in Nuclear Weapons System Technology is recommended.

**2.3.3.2. Experience.** A minimum of 12 months experience as a trainee (UGT) is required for upgrade to the 7-skill level (minimum 6 months for retrainees). Additionally, individuals must be certified for a minimum of 12 months as a weapons maintenance team chief on a weapons maintenance, mate/demate, or handling task, as outlined in AFMAN 21-204, *Nuclear Weapons Maintenance*; this experience may be accumulative providing the minimum time requirement is met. Transport and test certifications will not be utilized to meet this requirement. For units not possessing WR weapons, units will maintain upgrade training requirements utilizing training assets. Units must ensure individuals in upgrade training gain experience supervising tasks such as inspecting, maintaining, storing, handling, and repairing nuclear

weapons, weapon components, and related test and handling equipment. The TBA journal entry will be used to document this experience.

**2.3.3.3. Training Sources and Resources.** The 2W271 CDC is requested through the unit training manager and is mandatory for upgrade to the 7-skill level.

**2.3.3.4. Implementation.** The 7-skill level is awarded to individuals in the grade of SSgt who complete 12 months of UGT (6 months for retrainees), complete all core tasks, successfully complete the 2W271 CDC, and have a minimum of 12 months as a weapons maintenance team chief on a weapons maintenance, mate/demate, or handling task, as outlined in AFMAN 21-204, *Nuclear Weapons Maintenance*. Document team chief experience in TBA journal entry.

#### **2.3.4. 9 Skill Level Training:**

**2.3.4.1. Specialty Qualification.** Qualification in and possession of AFSC 2W271. Experience leading, supervising, training and evaluating assigned personnel. Directs functions such as testing, inspecting, and maintaining nuclear weapons. Continued academic education through a higher degree program is strongly encouraged.

**2.3.4.2. Experience.** Experience in the management of nuclear weapons and associated resources to include directing functions such as testing, inspecting, and maintaining nuclear weapons are required. Individuals should seek supervisory and management positions within the munitions organization, as well as select staff positions.

**2.3.4.3. Training Sources.** All 9-skill level training for Nuclear Weapons is gained through OJT. No formal career field training is required for the award of the 9-skill level.

**2.3.4.4. Implementation.** A Senior Master Sergeant (SMSgt) is awarded the 9-skill level upon SMSgt sew-on.

**Section D - Resource Constraints.** Currently, there are no training resource constraints

## Part II

### Section A – Course Objective List

The core task table identifies mandatory training for upgrade to 5-level and 7-level.

<b>COURSE OBJECTIVE LIST</b>	<b>5 Level</b>	<b>7 Level</b>
<b>All Functional Areas</b>	2.3.2., 2.4.2.2., 2.4.2.3., 2.4.2.4., 3.3.1.2., 3.4.2., 4.6.1., 4.6.2., 4.6.3., 4.7.1., 4.7.2.1., 4.7.2.2., 4.7.2.3., 4.8.1., 4.8.4., 4.8.5., 4.8.6., 4.9.1., 4.9.5., 8.2.1., 9.1.1., 9.1.2., 9.1.3., 9.1.4., 9.1.5., 13.1.3., 13.2.3.5., 13.2.4.4., 13.2.4.7., 13.2.4.8., 13.7.4.1., 13.7.4.2., 13.7.4.4., 13.7.5.1., 13.7.5.2., 13.7.5.3., 13.9.2., 13.9.3.2., 13.9.3.5., 13.9.3.6., 13.9.3.7., 13.9.7.1.	1.2.2., 2.3.3., 5.2.9.2., 6.1., 6.2., 9.1.10., 9.1.13., 9.2.1., 9.2.2., 9.3.1., 9.3.2., 9.4.5., 9.4.6., 9.4.7., 9.4.8., 9.4.11., 9.4.12., 10.3.1., 10.3.9.

### Section B - Support Material

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

### Section C - Training Course Index

1. This section of the CFETP identifies training courses available for the Nuclear Weapons Specialty and shows how the courses are used by each MAJCOM in their career field training programs.
2. Air Force In-Resident Courses are listed at the Education & Training Course Announcements site. Announcements are subject to change. A sample is listed below.

<b>COURSE NUMBER</b>	<b>TITLE</b>	<b>LOCATION</b>	<b>USER</b>
J3ABR2W231 047X	Nuclear Weapons Apprentice Course	Sheppard AFB	All
J3OZR21M1N 0N1X	Nuclear Accountability Course	Sheppard AFB	All
JBOZD21A1A 00DA	Nuclear Weapons Orientation Course	Kirtland AFB	All
L3AZR2W071 0C2A	Weapons Safety Management Course	Lackland AFB	All
J3AZR2WXXX 047X	MASO Course	Sheppard AFB	SNCOs
J3AAR2W291 047X	Advanced Nuclear Weapons Course	Sheppard AFB	SNCOs



**2.1. Air Force Career Development Courses** are available via the Air University online catalog accessible via the Air Force myLearning website: <https://lms-jets.cce.af.mil/moodle/>

COURSE NUMBER	TITLE	LOCATION	USER
2W251 A & B	Nuclear Weapons Journeyman Course (CDC)	AF myLearning Gateway	All
2W271	Nuclear Weapons Craftsman Course (CDC)	AF myLearning Gateway	All

**2.2. Exportable Courses:** Announcements are subject to change. A sample is listed below.

COURSE NUMBER	TITLE	LOCATION	USER
N/A	Acquisition 101	DAU	All
N/A	Nuclear Weapons-Related Materiel Fundamentals Course	The Griffin	All
N/A	Nuclear Weapons-Related Materiel Accountable Officer Training	The Griffin	All

**2.3. Department of Defense and other Courses:** Announcements are subject to change. A sample is listed below. For the current list, visit: <https://www.dtra.mil/DTRA-Mission/Reference-Documents/Defense-Nuclear-Weapons-School/>.

AF Nuclear Fundamentals Course (Nuclear 200)	WNUC200 MILPDS: 2X1	40 hours (5 days)	Classified – Secret Security Requirements - RD, CNWDI (In-residence only)
AF Nuclear Concepts Course (Nuclear 300)	WNUC300 MILPDS: 015	40 hours (5 days)	Classified – Secret Security Requirements – RD, CNWDI (In-residence only)
Senior Leaders Nuclear Management (Nuclear 400)	WNUC400 MILPDS: 0KQ	16 hours (2 days)	Classified – Secret Security Requirements – RD, CNWDI (In-residence only)

**2.4. Air Force Institute of Technology:** Nuclear Weapons Effects, Policy, and Proliferation Certificate Program (NWEPP) is available to personnel holding a bachelor degree with a minimum cumulative GPA of 3.0 and candidates must have earned a C or better in college level algebra. For more information visit: <http://www.afit.edu/ENP/programs.cfm?p=56&a=pd>

**Section D - MAJCOM Unique Requirements**

This section identifies MAJCOM specific education and training requirements.

TITLE	LOCATION	USER
Weapons Maintenance Supervisors Course	Ramstein AB, GE	2W2 Maintenance Supervisors, NCOIC, Bay Chief
Nuclear Managers Course	Ramstein AB, GE	SNCO and CGO associated to nuclear mission
Quality Assurance Evaluator Course	Ramstein AB, GE	2W2 Quality Assurance Evaluators
Weapons Maintenance Road Show Course	Installations within USAFE	2W2 at installation
Rentry System Test Console (RSTC) Course (AFGSC/ICBM Units)	Hill AFB, UT	Various 2W2 Maintenance Positions

**1. Implementation.** This STS will be used for technical training provided by AETC. The qualitative requirements proficiency code key will be used to determine the level of training and knowledge provided by resident training and career development courses as indicated in column 4 of the STS.

**1.1. Purpose.** As prescribed in AFI 36-2670, *Total Force Development*, this STS:

**1.1.1** Lists in column 1 the most common tasks, knowledge, and the technical references (TR) necessary for Airman to perform duties in the 3-, 5-, and 7-skill level AFSC in the Nuclear Weapons ladder of the Munitions and Weapons Maintenance Career Field. These are based on an analysis of the duties in this CFETP.

**1.1.2** Identifies in column 2 (by a 5 or a 7), specialty-wide minimum core task training requirements forward of 2W251 and 2W271 AFSCs.

**1.1.3** Provides in column 3, OJT certification columns to record completion of task and knowledge training requirements. Task certification must show a certification/completed date.

**1.1.4** Shows formal training and correspondence course requirements in column 4. Column 4A shows the level to which task/knowledge training has been accomplished by the AETC Training Center for 2W231 course. Column 4B (2) indicates the career knowledge provided in the 5-skill level CDC. Column 4C (2) indicates the career knowledge provided in the 7-skill level CDC. Use of / in the Proficiency Level column denotes level of training that will be attained under existing constraints. **(Example: 2b/X [unfunded] or 2b/a [partially funded])**

**2. Job Qualification Standard.** The STS becomes a JQS for OJT training when placed in TBA, OJT Training Record. For OJT, the tasks/knowledge 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 and possesses the required knowledge as determined by the trainer. When used as a JQS, the following requirements apply:

**2.1. Documentation.** Document training IAW AFI 36-2670, *Total Force Development*.

**2.2. Upgrade Certification Procedures:** Prior to upgrade, all personnel, regardless of duty position, must satisfactorily complete upgrade training requirements. Trainees must also meet AFSC experience requirements outlined in the *Air Force Enlisted Classification Directory (AFECD)*, this CFETP, task certified on all upgrade core tasks and have a minimum of 12 months performing nuclear weapon system maintenance tasks, as a certified team member or team chief as outlined above. Additionally, all 7-skill level trainees must complete, the 7-level CDC and work centers added local training requirements. Completion of non-mandatory tasks pertinent to the unit mission will continue to be accomplished, as resources become available for training.

**2.3.** When a CDC is not available, the supervisor will identify STS training references the trainee requires for career knowledge and ensures, as a minimum, trainees cover the mandatory items in the AFECD.

**2.4.** For two-time CDC course exam failures, supervisors will recommend to squadron supervision and the unit training manager whether the trainee be either eliminated from the AFSC or the AF, or recommend a waiver be processed IAW AFI 36-2670 retaining the trainee for wing commander evaluation and overall Career Field Manager approval. NOTE: Career Knowledge must be documented prior to submitting a CDC waiver by identifying all STS items corresponding to the areas covered by the CDC; have the trainee complete a study of STS references and undergo an evaluation by the supervisor and receives qualification on the STS.

**3. Weighted Airman Promotion System (WAPS).** The STS is used as a guide for development of promotion tests used in WAPS. Specialty Knowledge Test (SKT) questions are developed at the USAF Airman Advancement Division by 2W2 Senior NCOs with extensive practical experience in the Nuclear Weapons Career Field judged by test development team members to be the most appropriate knowledge areas for promotion to higher grades. Questions are based on the study references listed in the WAPS catalog.

**4. Recommendations.** Report unsatisfactory performance of individual apprentice course graduates to AETC during telephone field interviews, through the customer service information line (CSIL) at DSN 736-5236, or directly to the schoolhouse at DSN 736-0539. All questions or change recommendations regarding the CFETP will be routed through the respective MAJCOM Functional Manager (MFM). MFMs report inadequacies and suggested corrections for this STS through the OPR 363 TRS/TRR, 520 Missile Road, (Stop 244), Sheppard AFB, TX, 76311-2261, DSN 736-0539.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WARREN D. BERRY  
Lieutenant General, USAF  
DCS/Logistics, Engineering and Force Protection

**Section E - Specialty Training Standard**

<b>This Block Is For Identification Purposes Only</b>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	Last four of SSAN
Printed Name Of Certifying Official And Written Initials		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

**QUALITATIVE REQUIREMENTS**

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs 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)
<p>Explanations</p> <p>* 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)</p> <p>** 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.</p> <p>Use of / in the Proficiency Level column denotes level of training that will be attained under existing constraints. (Example: 2b/X [unfunded] or 2b/a [partially funded].)</p> <p>- This symbol is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC.</p> <p>X This symbol is used alone in the course columns to show that training is required but not given due to limitations in resources.</p> <p>5 This symbol in the core task column indicates that it is a 5-level core task.</p> <p>7 This symbol in the core task column indicates that it is a 7-level core task.</p> <p>TQT in the task column indicated the task is a CBRN Qualification Task. IAW AFI 10-2501, these tasks will also be accomplished in MOPP 4 and annotated on the 623A or AF Form 797. Units will determine which aspects of the task are necessary to be accomplished in MOPP 4. Not all aspects of the identified TQT task will be accomplished. (e.g. General Maintenance)</p>		

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>1.</b>	<b>NUCLEAR WEAPONS CAREER FIELD TR: Military Utilization and Classification, AFMAN 36- 2100</b>											
<b>1.1.</b>	<b>Definitions of the USAF Airman Munitions and Weapons Career Field</b>											
1.1.1.	Munitions Systems							A	-	-	-	-
1.1.2.	Aircraft Armament Systems							A	-	-	-	-
1.1.3.	Nuclear Weapons							A	-	-	-	-
1.1.4.	Missile Maintenance							A	-	-	-	-
<b>1.2.</b>	<b>Progression in Career Ladder 2W2X1</b>											
1.2.1.	Progression in Career Field Ladder 2W2X1							A	-	-	-	B
1.2.2.	Perform Team Chief Duties/Responsibilities	7						-	-	A	-	B
1.2.3.	Perform Bay Chief Duties/Responsibilities							-	-	A	-	B
1.2.4.	Duties of AFSCs 2W231/51/71							A	-	A	-	B
<b>1.3.</b>	<b>Nuclear Weapons Community TR: DoDM 3150, 5210; AFMAN 21-2XX Series</b>											
1.3.1.	Department of Defense							A	-	A	-	B
1.3.2.	Department of Energy							A	-	A	-	B
1.3.3.	Defense Threat Reduction Agency							A	-	A	-	B
1.3.4.	HHQ/Wing/Group/Squadron Functions							A	-	A	-	B
1.3.5.	AFGSC, Nuclear Stockpile Division (A4Z)							A	-	-	-	-
<b>2.</b>	<b>SECURITY</b>											
<b>2.1.</b>	<b>Communications Security (COMSEC) TR: DoDM 5200.01V1 AFMAN 16-1404</b>											
2.1.1.	COMSEC Vulnerabilities							-	-	A	-	-
2.1.2.	COMSEC Accounts/Responsibilities							-	-	A	-	B
2.1.3.	User Responsibilities							-	-	A	-	-
2.1.4.	Operation Security (OPSEC) Vulnerabilities							B	-	A	-	-
<b>2.2.</b>	<b>Weapons Storage and Security System (WS3) COMSEC TR: AFMAN 17-1302-O; USAFE-AFAFRICA I 17-973</b>											
2.2.1.	Vulnerabilities							-	-	A	-	B
2.2.2.	COMSEC Responsible Officer (CRO) Responsibilities							-	-	A	-	B
2.2.3.	User Responsibilities							-	-	A	-	B
2.2.4.	Deviations							-	-	A	-	B
<b>2.3.</b>	<b>Information Security TR: DoDM5200.01V1_AFMAN 16-1404V1; CG-W-5; DODM 5200.01V3_AFMAN 16-1404 V3; and Related Guides</b>											
2.3.1.	Receipt/Destruction of Classified Data							A	-	b	-	-
2.3.2.	Safeguard/Maintain Accountability	5						A	-	b	-	-
2.3.3.	Use Security Classification Guides	7						-	-	A	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>2.4.</b>	<b>Physical Security</b> <b>TR: AFI 31-101, 31-117; DoDM 5100.76_AFMAN 31-101V2, DoDS 5210.41M_AFMAN 31-108; and Local Procedures</b>											
<b>2.4.1.</b>	<b>Small Arms and Ammunition; Armory and Repository Procedures</b>											
2.4.1.1.	Inventory							-	-	-	-	-
2.4.1.2.	Issue							-	-	-	-	-
2.4.1.3.	Maintain							-	-	-	-	-
2.4.1.4.	Inspect							-	-	-	-	-
2.4.1.5.	Clearing Barrel Attendant							-	-	-	-	-
<b>2.4.2.</b>	<b>Nuclear Weapons Security</b>											
2.4.2.1.	Fundamentals							-	-	B	-	-
2.4.2.2.	Controlling No Lone Zone/Exclusion Area	5						2b	-	B	-	-
2.4.2.3.	Perform Escort Duties	5						2b	-	-	-	-
2.4.2.4.	Perform Sole Vouching Authority Duties	5						2b	-	B	-	-
2.4.2.5.	Demonstrate Use of Force							2b	-	-	-	-
2.4.2.6.	Perform Close-in Sentry Duties							2b	-	B	-	-
<b>2.4.3.</b>	<b>Air Force Physical Security</b>											
2.4.3.1.	AF Physical Security Program							A	-	-	-	-
2.4.3.2.	Weapon Storage Area (WSA)							A	-	-	-	-
2.4.3.3.	Weapon Storage and Security System (WS3) Requirements							A	-	-	-	-
<b>2.5.</b>	<b>Weapons Movements</b> <b>TR: DoDS-5210.41-M_AFMAN 31-108; AFMAN 21-2XX Series</b>											
2.5.1.	Inside WSA Movement Requirements							A	-	B	-	-
2.5.2.	Outside WSA Movement Requirements							A	-	B	-	-
2.5.3.	Safe Haven Requirements							A	-	A	-	B
<b>3.</b>	<b>AIR FORCE NUCLEAR SURETY PROGRAM</b> <b>TR: DoDS-5210.41-M_AFMAN 31-108; AFI 21-101, 31-101, 91-101; AFMAN 21-2XX Series; TOs 11N-50-1005, 44H2-3-1-101, AFMAN 17-1302-O; USAFE-AFAFRICAI 17-973</b>											
3.1.	Purpose							A	-	B	-	-
<b>3.2.</b>	<b>Safeguard of Resources/Facilities</b>											
3.2.1.	Perform Key Control Procedures							2b	-	a	-	b
3.2.2.	Control/Audit/Keys/Locks							A	-	B	-	A
3.2.3.	Use, Maintain, Update, Review and Distribute Change Letters							-	-	B	-	A
3.2.4.	Manage WS3 Module Program							-	-	-	-	-
3.2.5.	Open/Close Nuclear Weapon Storage Facilities							2b	-	b	-	-
3.2.6.	High Security Padlocks							A	-	b	-	-
3.2.7.	Install/Remove Massive Modular Blocks							-	-	a	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>3.3.</b>	<b>Nuclear Surety Programs</b> <b>TR: DoD S-5210-42-R; AFI 91-101, 91-102, 91-114, 91-115, 91-116; DAFI 91-111, 91-112; AFMAN 91-221; DoDM 5210.42_AFMAN 13-501</b>											
3.3.1.	Two Person Concept											
3.3.1.1.	Purpose							A	-	B	-	-
3.3.1.2.	Maintain	5						2b	-	b	-	-
3.3.2.	Personnel Reliability Program Responsibilities							A	-	B	-	-
3.3.3.	Nuclear Weapons and Weapon Systems Safety Rules							A	-	A	-	B
3.3.4.	Nuclear Mishap and Safety Deficiency Reports							A		a	-	b
3.3.5	Nuclear Deviation Reporting Program							-	-	-	-	-
<b>3.4.</b>	<b>Nuclear Certified Equipment</b> <b>TR: AFMAN 21-200; AFI 63-125, and Master Nuclear Certification Listing (MNCL)</b>											
3.4.1.	Description/Positive Identification / Restrictions							A	-	B	-	-
3.4.2.	Perform Nuclear Certification Verification using MNCL	5						2b	-	a	-	b
<b>4.</b>	<b>SAFETY AND HEALTH PROGRAMS</b> <b>TR: AFMAN 91-203; DAFI 91-204; AFD 91-2</b>											
4.1.	USAF Mishap Prevention Program							A	-	B	-	-
4.2.	OSHA Standards for AFSC 2W2X1							A	-	B	-	-
4.3.	Lockout/Tagout Procedures							A	-	B	-	-
4.4.	Confined Space Procedures							-	-	A	-	-
4.5.	Use Personnel Protective Equipment (PPE)							2b	-	-	-	-
<b>4.6.</b>	<b>Hoist/Crane/Overhead Gantry</b> <b>TR: AFMAN 91-203</b>											
4.6.1.	Perform Prior to Use Inspection	5						2b	-	b	-	-
4.6.2.	Periodic Inspection	5						-	-	-	-	-
4.6.3.	Use	5						2b	-	-	-	-
<b>4.7.</b>	<b>Hazardous Material Handling/Disposal/Safety</b> <b>TR: AFMAN 21-204, 91-203, 48-146; AFI 91-108 and Local Procedures.</b>											
4.7.1.	Responsibilities	5						A	-	A	-	B
<b>4.7.2.</b>	<b>Identification/Disposal Methods</b>											
4.7.2.1.	91B Waste	5						A	-	B	-	B
4.7.2.2.	Resource Conservation Recovery Act (RCRA)	5						A	-	B	-	B
4.7.2.3.	Potentially Mixed Waste	5						A		B	-	B

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>4.8.</b>	<b>Explosive Safety</b> TR: AFMAN 32-1065, 91-203; AFI 91-208; DESR6055.09_AFMAN 91-201; TOs 11N-20-11, 11N-20-11A, 11N-35-51, 11N-20-7; National Fire Protection Association (NFPA) Publications											
4.8.1.	Basic Explosive Safety	5						A	-	B	-	B
4.8.2.	Fire Protection							A	-	B	-	-
4.8.3.	Lightning Protection							A	-	A	-	B
4.8.4.	Static Electricity and Grounding	5						A	-	B	-	-
4.8.5.	Electro Static Sensitive Devices (ESSDs)	5						A	-	B	-	-
4.8.6.	Hazards of Electromagnetic Radiation to Ordnance (HERO)	5						A	-	B	-	B
<b>4.9.</b>	<b>Radiation Safety</b> TR: AFMAN 48-148, 91-203; AFI 91-108; DESR6055.09_AFMAN 91-201; TOs: 11N-20-5, 11N-20-7											
4.9.1.	Basic Radiation Safety	5						A	-	B	-	-
4.9.2.	As Low As Reasonable Achievable (ALARA)							A	-	B	-	-
4.9.3.	Intrinsic Radiation (INRAD)/Dosimeter							A	-	B	-	-
4.9.4.	Plutonium Hazards							A	-	B	-	-
4.9.5.	Tritium Hazards	5						A	-	B	-	-
<b>4.10.</b>	<b>Fire Fighting Equipment/Systems</b> TR: AFI 32-2001; AFMAN 91-203											
4.10.1.	Inspect/Use							1a	-	-	-	-
<b>5.</b>	<b>MAINTENANCE MANAGEMENT</b> TR: AFI 21-101; AFMAN 21-2XX Series; DoDM5030.55_AFMAN 63-103; DAFPD 90-1											
<b>5.1.</b>	<b>Organization and Function of the Maintenance Management System</b> TR: TO 00-20-2											
5.1.1.	Fundamentals							-	-	A	-	B
5.1.2.	Integrated Maintenance Data Systems (IMDS)							-	-	A	-	B
5.1.3.	Theater Integrated Combat Munitions System (TICMS)							-	-	-	-	-
5.1.4.	Air Force Nuclear Munitions Command and Control (NMC2) SharePoint							-	-	A	-	B
5.1.5.	Automated Tool Control Database							-	-	-	-	-
<b>5.2.</b>	<b>Program Management</b> TR: AFI 20-101_63-101, 20-110, 23-101; AFMAN 21-200, 21-204; AFJMAN 23-210; TOs 33K-1-100-1, 32B14-3-1-101, 42B-1-1											
5.2.1.	Bench Stock Management							-	-	A	-	-



1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
5.2.2.	Shelf Life Management							-	-	A	-	-
5.2.3.	Test Measurement Diagnostic Equipment (TMDE) Management							-	-	A	-	B
5.2.4.	Equipment Account Management							-	-	-	-	-
5.2.5.	Due-in From Maintenance (DIFM) Process Management							-	-	-	-	B
5.2.6.	Mission Capability (MICAP) Process Management							-	-	-	-	B
5.2.7.	Consolidated Tool Kit (CTK) Management							-	-	-	-	-
5.2.8.	Initiate/Document Cannibalization Actions							-	-	-	-	-
5.2.9.	Nuclear Weapons Related Materiel (NWRM)											
5.2.9.1.	Fundamentals							A	-	-	-	-
5.2.9.2.	Management	7						-		B	-	B
<b>5.3.</b>	<b>Inspect/Evaluation Programs</b> <b>TR: AFI 21-101, 90-201;</b> <b>AFMAN 21-200, 21-204;</b> <b>AFPD 90-2; CJCSI 3263.05</b>											
<b>5.3.1.</b>	<b>Quality Assurance (QA)</b>											
5.3.1.1.	Responsibilities							A	-	A	-	B
5.3.1.2.	Inspection Requirements							-	-	-	-	B
5.3.1.3.	Maintenance Standardization and Evaluation Program (MSEP)							A	-	A	-	B
5.3.1.4.	Conduct Evaluations and Inspections							-	-	-	-	b
5.3.1.5.	Initiate QA Documentation							-	-	-	-	b
5.3.2.	Nuclear Weapons Task Certification Requirements							A	-	A	-	B
5.3.3.	Higher Headquarters Inspections							A	-	A	-	B
5.3.4.	Exercises/Evaluations							-	-	A	-	B
<b>6.</b>	<b>SUPERVISION</b> <b>TR: AFMAN 21-200, 21-202, 21-204;</b> <b>DoDM5030.55 AFMAN 63-103</b>											
6.1.	Plan/Schedule Work Assignments and Priorities	7						-	-	-	-	B
6.2.	Prepare/Maintain AF Form 2435/Nuclear Maintenance Certification Tool (NMCT)	7						-	-	-	-	b
6.3.	Prepare/Maintain AF Form 1098 or equivalent							-	-	-	-	b
<b>7.</b>	<b>TRAINING</b> <b>TR: AFMAN 21-204; AFI 36-2670, 36-2650</b>											
7.1.	Evaluate Personnel to Determine Training Needs	7						-	-	-	-	b
<b>7.2.</b>	<b>Plan and Supervise OJT</b>											
7.2.1.	Conduct/Evaluate Training							-	-	-	-	a
7.2.2.	Prepare Job Qualification Standards							-	-	-	-	a
7.2.3.	Total Force Training Record (TFTR) or equivalent							-	-	A	-	-
<b>8.</b>	<b>PUBLICATIONS</b>											
<b>8.1.</b>	<b>Policies, Directives, and Publications</b> <b>TR: DAFMAN 90-161; DAFI 90-160</b>											
8.1.1.	Use							1a	-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>8.2.</b>	<b>USAF Technical Order System TR: AFMAN 21-204; TOs 00-5-1, 11N-1-1</b>											
8.2.1.	Use Technical Orders When Performing Tasks	5						2b	-	B	-	-
<b>8.2.2.</b>	<b>Maintain Technical Order Files TR: TOs 00-5-1, 00-5-18, 11N-5-1</b>											
8.2.2.1.	Perform TODO Functions							-	-	-	-	-
8.2.2.2.	Perform TODA Functions							-	-	-	-	-
8.2.3.	Technical Manual Improvement System/Reports							-	-	B	-	B
<b>9.</b>	<b>FORMS, RECORDS, AND REPORTS</b>											
<b>9.1.</b>	<b>Use Forms TR: AFMAN 21-203, 21-204; AFI 21-205, 23-101; TOs 11N-35-7, 11N-100-2, 11N-100-4, 00-20-1, 00-20-3</b>											
9.1.1.	AF Form 2432, Key Issue Log	5						A	-	b	-	b
9.1.2.	AF Form 2427, Lock and Key Control Register	5						A	-	b	-	b
9.1.3.	AFTO Form 95, Significant Historical Data	5						A	-	a	-	b
9.1.4.	AFTO Form 244, Industrial Support Equipment Record	5						A	-	a	-	b
9.1.5.	DD Form 1500 Series, Condition Status Tags	5						A	-	a	-	b
9.1.6.	DD Form 1348-1A, Single Line Item Release/Receipt Document							A	-	a	-	b
9.1.7.	AF Form 2005 Issue/Turn in Request							A	-	b	-	-
9.1.8.	DD Form 1911, Material Courier Receipt							-	-	-	-	-
9.1.9.	DOE/NRC Form 741, Nuclear Material Transaction Report							-	-	-	-	-
9.1.10.	AF Form 504, Weapons Custody Transfer Document	7						A	-	b	-	b
9.1.11.	AF Form 4352A/B, Command Disablement System Code							-	-	-	-	-
9.1.12.	AF Form 2407, Weekly/Daily Flying Schedule Coordination							-	-	-	-	-
9.1.13.	Sandia Form 5700, Inspection Record Card/Electronic IRC	7						-	-	a	-	b
9.1.14.	AF Form 68, Munitions Authorization Record							-	-	-	-	-
9.1.15.	AFTO Form 350, Reparable Item Processing Tag							-	-	-	-	-
<b>9.2.</b>	<b>Initiate/Process Deficiency Reports TR: AFMAN 21-204, 91-221; DAFI 91-204; TOs 00-25-107, 00-35D-54</b>											
9.2.1.	Deficiency Reports	7						-	-	a	-	b
9.2.2.	Engineering Assistance Request	7						-	-	a	-	b

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>9.3.</b>	<b>Nuclear Weapons Configuration Records TR: AFMAN 21-204</b>											
9.3.1.	Prepare/Use	7						-	-	a	-	b
9.3.2.	Certify	7						-	-	a	-	b
<b>9.4.</b>	<b>Use DIAMONDS TR: CJCSI 3150.04; AFMAN 21-204; TOs 11N-5-1, 11N-35-7, 11N-35-50; TP 100-3150; User Manual</b>											
9.4.1.	Fundamentals							-	-	-	-	-
9.4.2.	Security Measures							-	-	-	-	-
9.4.3.	Prepare/Use							-	-	-	-	-
9.4.4.	Use Publications							-	-	-	-	-
9.4.5.	Process Unsatisfactory Reports	7						-	-	a	-	b
9.4.6.	Process Electronic Inspection Record Cards	7						-	-	a	-	b
9.4.7.	Process Weapon Information Reports	7						-	-	a	-	b
9.4.8.	Process Reportable Transactions	7						-	-	a	-	b
9.4.9.	Process Weapon Status Reports							-	-	-	-	a
9.4.10.	Process Quality Assurance Service Test Status Reports							-	-	-	-	a
9.4.11.	Use Location Inventory Listing	7						-	-	a	-	b
9.4.12.	Storage Location Planning Report	7						-	-	a	-	b
9.4.13.	Correct Erroneous Entries							-	-	-	-	-
9.4.14.	Training, Test or Exercise Processing							-	-	-	-	-
9.4.15.	Assistance and Problem Reporting							-	-	-	-	-
<b>10.</b>	<b>MUNITIONS CONTROL/PLANS AND SCHEDULING TR: AFMAN 21-200</b>											
<b>10.1</b>	<b>MUNITIONS CONTROL</b>											
10.1.1.	Munitions Control Fundamentals							A	-	-	-	-
10.1.2.	Initiate Recall and Emergency Action Checklists							-	-	-	-	-
10.1.3.	Direct/Coordinate/Monitor Munitions and Weapons Maintenance Activities							-	-	-	-	-
10.1.4.	Notify Agencies of Maintenance Activities							-	-	-	-	-
10.1.5.	Coordinate Entry Requirements with Security Forces							-	-	-	-	-
10.1.6.	Notify Security Forces of Movements							-	-	-	-	-
10.1.7.	Notify Fire Department of Fire Symbol/Line Number Changes							-	-	-	-	-
10.1.8.	Notify Appropriate Agencies with Work Requests							-	-	-	-	-
10.1.9.	Notify Emergency Response Agencies							-	-	-	-	-
10.1.10.	Process TICMS Transactions							-	-	-	-	-
10.1.11.	Notify Supervision of Nuclear Weapon System Mishap/Safety Deficiency Report and/or Unsatisfactory Reports (UR)							-	-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>10.2.</b>	<b>MUNITIONS CONTROL Documentation</b>											
10.2.1.	War and Contingency Plans							-	-	-	-	-
10.2.2.	Inspection/Test of Static Ground and Lightning Protection Systems							-	-	-	-	-
10.2.3.	Inspection/Test of Hoists							-	-	-	-	-
10.2.4.	Storage Location Planning Report							-	-	-	-	-
10.2.5.	Maintain Explosive Maps/Routes or equivalent							-	-	-	-	-
10.2.6.	Track Nuclear Weapon Configuration Records							-	-	-	-	-
<b>10.3.</b>	<b>Planning and Scheduling</b>											
10.3.1.	Verify Bomb, RS, or Launch Gear Configuration against Mission Requirements	7						-	-	-	-	-
10.3.2.	Assign Local ID Numbers							-	-	-	-	-
10.3.3.	Assign Job Control Numbers							-	-	-	-	-
10.3.4.	Maintain Delayed Discrepancy Listing							-	-	-	-	-
10.3.5.	Manage TCTO Program							-	-	-	-	-
10.3.6.	Training, Special Activities, and Exercises							-	-	-	-	-
10.3.7.	Maintain Forecasts, Plans, and Schedules							-	-	-	-	A
10.3.8.	Conduct Scheduling Meetings							-	-	-	-	-
10.3.9.	Schedule Changes/AF Form 2407	7						-	-	-	-	A
<b>11.</b>	<b>NUCLEAR ACCOUNTABILITY AND REPORTING</b>											
<b>11.1.</b>	<b>Management and Administration TR: AFMAN 21-203; AFI 23-101; TOs 11N-100-1, 11N-100-2, 11N-100-4; User Guides</b>											
11.1.1.	Administrative							-	-	A	-	B
11.1.2.	Local Inventory Procedures							-	-	-	-	-
11.1.3.	Stockpile Emergency Verifications							A	-	A	-	A
<b>11.1.4.</b>	<b>Manage Nuclear Accounts</b>											
11.1.4.1.	MASO Responsibilities							-	-	-	-	A
<b>11.2.</b>	<b>Weapons Custody TR: AFMAN 21-203</b>											
11.2.1.	Fundamentals							A	-	B	-	-
<b>11.2.2.</b>	<b>Custody Transfer (Operational Movements)</b>											
11.2.2.1.	ICBM RS to/from Alert Status							-	-	b	-	-
11.2.2.2.	ICBM RS Swap Between Launch Facilities							-	-	b	-	-
11.2.2.3.	Missile/Bomb and Pylon/Launcher to/from Combat Aircraft							-	-	b	-	-
11.2.2.4.	Swap of Single Missile/Bomb							-	-	b	-	-
11.2.2.5.	Relocate, Deploy or Disperse Aircraft							-	-	b	-	-
<b>11.2.3.</b>	<b>Custody Transfer (Logistics Movements)</b>											
11.2.3.1.	Nuclear Weapons/Components/Test Items to/from Logistics Aircraft							-	-	a	-	-
11.2.3.2.	Nuclear Weapons/Components/Test Items to/from Safeguards Transport							-	-	a	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>11.3.</b>	<b>Accounting Procedures</b> TR: CJCSI 3150.04; AFI 20-110; AFMAN 21-203; TOs 11N-100-1, 11N-100-2, 11N-100-4, 11N-100-3150; User Guides											
<b>11.3.1.</b>	<b>Document Control</b>											
11.3.1.1.	Use Document Register							-	-	-	-	-
<b>11.3.2.</b>	<b>Stock Control</b>											
11.3.2.1.	DOE Major Assemblies							-	-	-	-	-
11.3.2.2.	WR Containers and Bolsters							-	-	-	-	-
11.3.2.3.	Nuclear Weapons Related Materiel (NWRM)							-	-	-	-	-
11.3.2.4.	Military Spares							-	-	A	-	-
<b>11.3.2.5.</b>	<b>Base Spares</b>											
11.3.2.5.1.	Unit Spare Authorization Listing (USAL)							-	-	A	-	B
<b>11.3.3.</b>	<b>Excess Item Reporting and Disposition of Assets</b>											
11.3.3.1.	Excess Serviceable Base Spares							-	-	-	-	-
11.3.3.2.	Excess Serviceable Military Spares							-	-	-	-	-
11.3.3.3.	Unserviceable Repairable Items							-	-	-	-	-
11.3.3.4.	Unserviceable Consumable Items							-	-	-	-	-
11.3.4.	Requisitions							-	-	A	-	-
<b>11.3.5.</b>	<b>Receipt of Materiel</b>											
11.3.5.1.	Inspecting Materiel Upon Receipt							-	-	-	-	-
11.3.5.2.	Processing Receipt Documents							-	-	-	-	-
<b>11.3.6.</b>	<b>Shipment of Materiel</b> TR AFMANs 13-526, 21-203; TOs 11N-100-2, 11N-100-4, 11N-45-51 Series											
11.3.6.1.	General Guidelines							A	-	A	-	B
11.3.6.2.	Preparing and Processing Shipping Documents							-	-	a	-	b
11.3.7.	Prepare/Process Issue, Turn-in and Expenditure Documents							-	-	b	-	-
11.3.8.	Custodian Accounting Procedures							-	-	-	-	-
11.3.9.	Accounting for Retrofit Kits							-	-	B	-	B
<b>11.3.10.</b>	<b>Inventories of Accounts</b>											
11.3.10.1.	Semi-Annual Inventory Procedures							-	-	-	-	B
11.3.10.2.	Change of MASO Inventory Procedures							-	-	-	-	B
11.3.10.3.	Special Inventories							-	-	-	-	B
11.3.10.4.	Audits of Accounts							-	-	-	-	-
11.3.10.5.	All Other Inventory (AOI)							-	-	-	-	-
11.3.10.6.	Inventory Documentation							-	-	-	-	B
11.3.11.	Account for Lost, Damaged or Destroyed Property							-	-	-	-	-
11.3.12.	Posting Inventory Adjustments							-	-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>12.</b>	<b>NUCLEAR WEAPONS SUMMARY</b> <b>TR: TOs 11N-BXX-0, 11N-BXX-1, 11N-BXX-1A, 11N-WXX-1, 11N-4-1, 11N-20-7</b>											
12.1.	Nuclear History							A	-	A	-	A
12.2.	Nuclear Theory							A	-	B	-	B
12.3.	Operation/Function/Effects of Nuclear Weapons							A	-	B	-	B
12.4.	Safety Features of Nuclear Weapons							A	-	B	-	B
<b>13.</b>	<b>GENERAL NUCLEAR WEAPONS MAINTENANCE</b> <b>TR: TOs 11N-35-51, 11N-35-51A</b>											
<b>13.1.</b>	<b>General</b>											
13.1.1.	Use of DOE-DTRA TP Manuals							-	-	-	-	-
13.1.2.	Authorization							A	-	B	-	-
13.1.3.	Referencing TP 35-51 from Other Manuals	5						2b	-	b	-	-
13.1.4.	Definitions							A	-	A	-	-
13.1.5.	Commercial Equipment							A	-	B	-	-
13.1.6.	Marking in Manuals							A	-	B	-	-
13.1.7.	Expendable Materials							A	-	B	-	-
<b>13.2.</b>	<b>Standard Specifications and Procedures for Nuclear Weapons</b>											
13.2.1.	General Standards and Procedures							A	-	B	-	-
13.2.2.	Location							A	-	B	-	-
<b>13.2.3.</b>	<b>General Procedures</b>											
13.2.3.1.	Sequence of Procedures							A	-	B	-	-
13.2.3.2.	Test Set Indications							-	-	B	-	-
13.2.3.3.	Multiple Status Checks Using T304 Multiple Purpose Continuity Test Set							-	-	-	-	-
13.2.3.4.	AC Devices							-	-	-	-	-
13.2.3.5.	Equalization, Connect, Disconnect, and Protect Electrical Connectors	5						2b	-	b	-	-
<b>13.2.4.</b>	<b>Inspection Procedures</b>											
13.2.4.1.	Limitations							A	-	B	-	-
13.2.4.2.	War Reserve Material							A	-	B	-	-
13.2.4.3.	Manual or Item Changes							-	-	-	-	-
13.2.4.4.	Damage	5						A	-	B	-	B
13.2.4.5.	Corrosion							A	-	B	-	-
13.2.4.6.	Nuclear Weapons							A	-	B	-	-
13.2.4.7.	Electrical Connectors	5						A	-	B	-	-
13.2.4.8.	Optical Connectors	5						A	-	B	-	-
<b>13.2.5.</b>	<b>Maintenance Procedures</b>											
13.2.5.1.	Tool Use							A	-	-	-	-
13.2.5.2.	Alternates for Expendable Materials							-	-	A	-	-
13.2.5.3.	Limitations on Special Maintenance Procedures							-	-	-	-	-
13.2.5.4.	Modifications of Material							-	-	-	-	-
13.2.5.5.	Replacement Parts							-	-	-	-	-
13.2.5.6.	Stockpile Samples							-	-	A	-	-
13.2.5.7.	Retirement Units							-	-	A	-	-
13.2.5.8.	Weapon Temperature							A	-	B	-	-
13.2.5.9.	Protection Against Moisture							A	-	B	-	-
13.2.5.10.	Unseal Weapons							A	-	B	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.2.5.11.	Maintain Association of Weapon Components							A	-	B	-	-
13.2.5.12.	Use Handling Equipment							2b	-	B	-	-
13.2.5.13.	Hydrazine Contamination							-	-	-	-	-
13.2.5.14.	Critical Markings							A	-	B	-	-
<b>13.2.6.</b>	<b>Storage Procedures</b>											
13.2.6.1.	Empty Weapon DOE Storage Containers							A	-	A	-	-
13.2.6.2.	Bomb and Warhead Hand Trucks							A	-	A	-	-
<b>13.2.7.</b>	<b>Transportation Procedures</b>											
13.2.7.1.	Maneuverability of Hand Trucks and Containers with Casters							2b	-	B	-	-
13.2.7.2.	Immobilization of Hand Trucks and Containers with Casters							2b	-	B	-	-
<b>13.2.8.</b>	<b>Hazardous Expendable Materials</b>											
13.2.8.1.	Maintenance							A	-	B	-	-
13.2.8.2.	Personal Protection							A	-	B	-	-
13.2.9.	Personnel Safety Precautions							A	-	B	-	-
<b>13.3.</b>	<b>Cleaning</b>											
13.3.1.	General							A	-	B	-	-
13.3.2.	Cleaning Materials							A	-	B	-	-
13.3.3.	Cleaning Practices							A	-	B	-	-
<b>13.3.4.</b>	<b>Cleaning Procedures</b>											
13.3.4.1.	Clean with Vacuum							b	-	b	-	-
13.3.4.2.	Clean with Solvents							b	-	b	-	-
13.3.4.3.	Clean by Abrasion							b	-	b	-	-
13.3.4.4.	Clean Corrosion from Coated Areas							b	-	b	-	-
13.3.4.5.	Clean Corrosion from Uncoated Areas							b	-	b	-	-
13.3.4.6.	Clean Fungus Growth from Rubber Surfaces							b	-	b	-	-
13.3.4.7.	Clean Fungus Growth from Unpainted Metal Surfaces							b	-	b	-	-
13.3.4.8.	Clean Fungus Growth from Painted Metal Surfaces							b	-	b	-	-
13.3.4.9.	Clean Fungus Growth from Coated Cloth							b	-	b	-	-
<b>13.3.5.</b>	<b>Special Cleaning Processes</b>											
13.3.5.1.	Remove Epoxy-Resin Adhesives							-	-	-	-	-
13.3.5.2.	Clean Preformed Packings (O-Rings)							1b	-	b	-	-
13.3.5.3.	Clean Electrical Connectors							1b	-	b	-	-
13.3.6.	Mechanical Drying Procedures							1b	-	-	-	-
<b>13.4.</b>	<b>Preserving Surfaces</b>											
13.4.1.	General							A	-	B	-	-
<b>13.4.2.</b>	<b>Preserve Aluminum</b>											
13.4.2.1.	Unpainted Aluminum							-	-	b	-	-
13.4.2.2.	Painting Treated Aluminum							-	-	-	-	-
<b>13.4.3.</b>	<b>Preserve Steel</b>											
13.4.3.1.	Cleaning							-	-	b	-	-
13.4.3.2.	Pretreatment Coating							-	-	b	-	-
13.4.3.3.	Organic Finish							-	-	-	-	-
<b>13.4.4.</b>	<b>Repair Surface Preservations</b>											
13.4.4.1.	Epoxy Resin							-	-	-	-	-
13.4.4.2.	Polyurethane Coating Compound							-	-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>13.4.5.</b>	<b>Preservation Application</b>											
13.4.5.1.	Thermal Resistant Coating							-	-	-	-	-
13.4.5.2.	Organic Finish							-	-	-	-	-
<b>13.5.</b>	<b>Identification Markings</b>											
<b>13.5.1.</b>	<b>General Procedures</b>											
13.5.1.1.	Referencing Documents							A	-	B	-	-
13.5.1.2.	Permissible Variations in Markings							A	-	B	-	-
13.5.1.3.	Agreements							-	-	B	-	-
13.5.1.4	Marking Information							-	-	-	-	-
13.5.1.5.	Permanent Marking of Bombs and Warheads							A	-	B	-	-
13.5.2.	Marking Materials							A	-	B	-	-
13.5.3.	General Marking Methods							A	-	B	-	-
13.5.4.	Tag and Label Markings							-	-	-	-	-
<b>13.5.5.</b>	<b>Marking War Reserve and Non-War Reserve Materials</b>											
13.5.5.1.	War Reserve							b	-	b	-	-
13.5.5.2.	Non-War Reserve							-	-	b	-	-
13.5.6.	Container Marking							b	-	b	-	-
13.5.7.	Change Identification Markings							b	-	b	-	-
13.5.8.	Marking For Shipment							b	-	b	-	-
13.5.9.	Item Unique Identification (IUID) Markings							-	-	-	-	-
<b>13.6.</b>	<b>Packaging</b>											
13.6.1.	General Instructions							A	-	B	-	-
13.6.2.	General Packaging Information							A	-	B	-	-
<b>13.6.3.</b>	<b>Detailed Packaging Methods</b>											
13.6.3.1.	General							A	-	B	-	-
13.6.3.2.	Preservative Material Only							-	-	-	-	-
13.6.3.3.	Water-Vaporproof							-	-	-	-	-
13.6.3.4.	Waterproof							-	-	-	-	-
13.6.3.5.	Water-Vaporproof with Desiccant							A	-	B	-	-
13.6.3.6.	Physical and Mechanical Protection Only							-	-	-	-	-
<b>13.6.4.</b>	<b>Packaging for Shipment</b>											
13.6.4.1.	Shipping Containers							-	-	-	-	-
13.6.4.2.	Closing and Sealing Shipping Containers							2b	-	b	-	-
13.6.5.	Opening and Closing Containers							-	-	-	-	-
13.6.6.	Package or Unpackage Limited-Life Components							-	-	-	-	-
13.6.7	Miscellaneous Packaging Details							-	-	-	-	-
13.6.8	Fabricating Water-Vaporproof Bags							2b	-	b	-	-
13.6.9	Removing and Installing Humidity Indicator Plug							-	-	-	-	-
<b>13.7.</b>	<b>Joining and Sealing</b>											
13.7.1.	General							A	-	B	-	-
13.7.2.	Standard Hardware Removal							-	-	-	-	-
<b>13.7.3.</b>	<b>Standard Hardware Installation</b>											
13.7.3.1.	Install Bolts, Screws, Washers, and Nuts							2b	-	b	-	-
13.7.3.2.	Install Cotter Pins							-	-	b	-	-



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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.7.3.3.	Install Rivets							-	-	-	-	-
13.7.3.4.	Inspection							-	-	-	-	-
<b>13.7.4</b>	<b>Tighten Threaded Fasteners to a Measured Torque Value</b> <b>TR: TOs 00-20-14, 11N-35-51, 32B14-3-1-101, 33K6-4-2193-1</b>											
13.7.4.1.	General	5						2b	-	b	-	-
13.7.4.2.	Torque Values	5						2b	-	b	-	-
13.7.4.3.	Method I (Using a tester)							-	-	-	-	-
13.7.4.4.	Method III (Using Calculations)	5						2b	-	b	-	-
<b>13.7.5.</b>	<b>Safety Wiring</b>											
13.7.5.1.	General	5						B	-	B	-	-
13.7.5.2.	Standard Procedures	5						B	-	B	-	-
13.7.5.3.	Safety-Wire Threaded Fasteners	5						2b	-	b	-	-
13.7.5.4.	Safety-Wire Miniature and Coaxial-Type Electrical Connectors							-	-	-	-	-
13.7.5.5.	Safety-Wire AN and SA-AN-Type Connectors							-	-	b	-	-
13.7.6.	Safety Cable							2b	-	b	-	-
<b>13.7.7.</b>	<b>Bonding Materials</b>											
13.7.7.1.	General							-	-	-	-	-
13.7.7.2.	Prepare Surfaces							-	-	-	-	-
13.7.7.3.	Use Rubber-Base Adhesives							-	-	-	-	-
13.7.7.4.	Use Silicone Rubber Adhesives							-	-	-	-	-
13.7.7.5.	Use Epoxy-Resin Adhesive							-	-	-	-	-
<b>13.7.8.</b>	<b>Staking</b>											
13.7.8.1.	Stake Mechanically							-	-	a	-	-
13.7.8.2.	Stake with Paint							-	-	a	-	-
13.7.8.3.	Stake with Sealing Compound (Loctite)							a	-	b	-	-
13.7.8.4	Preparing Surfaces for Sealant Application							-	-	-	-	-
13.7.9.	Lubricate Preformed Packing, O- rings and Other Elastomeric Seals							a	-	b	-	-
<b>13.8.</b>	<b>Maintain Electrical Cables</b>											
13.8.1.	General							-	-	-	-	-
13.8.2.	Repair Minor Damage in Cable Exterior							b	-	b	-	-
<b>13.9.</b>	<b>Repair Metals, Plastics, Fabrics, and other Materials</b>											
13.9.1.	General							b	-	b	-	-
13.9.2.	Determining Length, Width and Depth	5						2b	-	b	-	-
<b>13.9.3.</b>	<b>Measure Surface Irregularities</b>											
13.9.3.1	General							-	-	-	-	-
13.9.3.2.	Use Straightedge	5						2b	-	b	-	-
13.9.3.3.	Use Contour Template							2b	-	b	-	-
13.9.3.4.	Use Adjustable-Curve Drafting Ruler							2b	-	-	-	-
13.9.3.5.	Use Machinist's Steel Rule	5						2b	-	b	-	-
13.9.3.6.	Use Gap-Setting Gauge, Measuring Probe or Equivalent	5						2b	-	b	-	-
13.9.3.7.	Use Dial Indicating/Digital Depth Gauge	5						2b	-	b	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.9.3.8.	Use Measuring Magnifier							-	-	-	-	-
13.9.3.9.	Using Microset Synthetic Rubber Replicating Compound							-	-	-	-	-
13.9.4.	Repairing Reusable Metal Containers							-	-	-	-	-
13.9.5.	Repairing Plastics							-	-	-	-	-
13.9.6.	Repairing Fabrics and Fabric-Type Security Covers							-	-	-	-	-
<b>13.9.7.</b>	<b>Micrometer</b> <b>TR: TO 32-1-101</b>											
13.9.7.1.	Use Optical Micrometer	5						2b	-	b	-	-
13.9.7.2.	Use Depth Micrometer							2b	-	b	-	-
<b>13.10.</b>	<b>Miscellaneous Maintenance Operations</b>											
13.10.1.	Inspect/Use Gas Cylinders TR: 42B5-1-2							1b	-	B	-	-
13.10.2.	Regulate Pressurizing and Purging Systems							1b	-	B	-	-
13.10.3.	Prepare Empty Pressurizing Gas Cylinders for Return Shipment (Special Dry Air)							-	-	-	-	-
<b>13.11.</b>	<b>Hand Tools</b> <b>TR: TO 32-1-101</b>											
13.11.1.	Inspect/Use/Maintain							2b	-	B	-	-
<b>13.12.</b>	<b>Handling Equipment</b> <b>TR: TOs 11N-H, 11N-HRV50XX-2, 35E15-10-1, 35C2-3-469-11</b>											
13.12.1.	Inspect/Use/Maintain							2b	-	b	-	-
13.13.	Perform Pre-operational Inspection and Operate Hydraulic Systems Portable Test Stand (MULE)							-	-	-	-	-
13.14.	Perform Pre-operational Inspection and Operate A/M32A-86D Diesel Generator Set							-	-	-	-	-
<b>13.15.</b>	<b>Electrical Principles</b> <b>TR: TO 00-25-234</b>											
13.15.1.	Safety Precautions							A	-	B	-	-
13.15.2.	AC/DC Terms							A	-	B	-	-
13.15.3.	Use Digital Meters							1a	-	b	-	-
<b>13.16.</b>	<b>Testing Equipment</b>											
13.16.1.	Inspect/Use/Maintain							-	-	b	-	-
13.16.2.	Common Test Equipment TR: 11N-T-55A							2b	-	b	-	-
13.16.3.	T605 Tritium Monitor Set TR: TO 11N-T605-2							2b	-	a	-	-
13.16.4.	T566, Digital Multimeter TR: TO 11N-T566-2							2b	-	a	-	-
13.16.5.	T557, Digital Thermometer TR: TO 11N-T557-2							2b	-	a	-	-
13.16.6.	T569, Non-Nuclear Verification Tester with Non-Nuclear Assurance Program Field Procedures TR: TO 11N-T569-2							-	-	-	-	-
13.16.7.	Test Set, Arming & Fuzing Assembly TR: 11N-TRV5530-2							-	-	-	-	-
13.16.8.	TTU-611/611E Test Set, Explosive Set Circuitry (ESCTS) TR: TO 33D9-38-15-2							-	-	-	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
13.16.9.	Test Set, Reentry System (RSTS) A/E24T-89TR: TO 11N-TRV5099-2							-	-	-	-	-
13.16.10.	Test Set, Safety Enhanced Reentry (SFTS) Vehicle Field TR: TO 11N-TRV5528-2							-	-	-	-	-
13.16.11.	Reentry Vehicle Tester, MK21 TR: TO 11N-TRV5531-2							-	-	-	-	-
13.16.12.	Digital Igniter Circuit Tester (Valhalla)							-	-	-	-	-
13.16.13.	Test Console, ReentrySystem (RSTC) A/E24T-267 TR: TO 11N-TRV5533-2							-	-	-	-	-
13.16.14.	Test Set, Forward Section (FSTS) A/E4T-262 TR: TO 11N-TRV5532-2							-	-	-	-	-
13.16.15.	T575, Leak Detector TR: TO 11N-T575-2							-	-	-	-	-
13.16.16.	B61-12 TKA Stand Alone Test Set TR: TO 33D5-60-16-1							-	-	-	-	-
13.16.17.	Troubleshoot Test Equipment							-	-	-	-	-
<b>14.</b>	<b>USE CONTROL (UC) TR: CJCSM 3260.01; AFI 21-205; USAFE-AFAFRICASUP 21-205; TOs 11N-45-51, 11N-50-4, 11N-50-2</b>											
<b>14.1.</b>	<b>Systems Overview</b>											
14.1.1.	Verifiable Control Procedures							A	-	A	-	B
14.1.2.	Permissive Action Link (PAL)							A	-	A	-	B
14.1.3.	B61 (TQT)							-	-	-	-	-
14.1.4.	W80 (TQT)							-	-	-	-	-
14.1.5.	B83 (TQT)							-	-	-	-	-
14.1.6.	W87							-	-	-	-	-
<b>14.2.</b>	<b>Field Code Management System TR: TO 11N-UC16XX Series</b>											
14.2.1.	Equipment Description							-	-	A	-	A
14.2.2.	Inspect/Maintain/Use							-	-	-	-	A
14.2.3.	Security Requirements							-	-	A	-	B
<b>14.3.</b>	<b>Disablement Management System TR: TO 11N-UD1702-2, 11N-UD1717-2; AFI 21-205 USAFE-AFAFRICASUP</b>											
14.3.1.	Equipment Description							-	-	-	-	-
14.3.2.	Inspect/Maintain/Use							-	-	-	-	-
14.3.3.	Security Requirements							-	-	-	-	-
<b>15.</b>	<b>LLC CONTAINERS TR: TOs 11N-H1616-2, 11N-20-11, 11N-35-51, 11N-35-51A, 11N-45-51, 11N-100-2, 11N-100-4, 11N-H1700-2</b>											
<b>15.1.</b>	<b>H1616/H1700 Container</b>											
15.1.1.	Inspect/Maintain							2b	-	b	-	-
15.1.2.	Operating Procedures Unpackage/Packaging Contents							2b	-	b	-	-
<b>15.2.</b>	<b>T568 TR: TO 11N-T568-2</b>											
15.2.1.	Inspect/Maintain/Use							2b	-	b	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>16.</b>	<b>WEAPON HANDLING STORAGE AND TRANSPORTATION</b> <b>TR: AFIs 91-115; DESR6055.09_AFMAN91-201; AFMAN 21-204; TOs 11N-45-51, Series, 13C2-1-1</b>											
16.1.	Purpose/Applicability							A	-	B	-	-
16.2.	Identification and Placarding							-	-	-	-	-
<b>16.3.</b>	<b>Shipments</b>											
16.3.1.	Major Assemblies							-	-	B	-	-
16.3.2.	LLC Components							A	-	B	-	-
16.3.3.	Containers							A	-	B	-	-
<b>16.4.</b>	<b>Logistic Movement of Nuclear Weapons Material</b> <b>TR: DoDS-5210.41-M AFMAN31-108; AFMANs 13- 526, 21-203, 21-204; AFI 21-205, 91-115; DESR6055.09_AFMAN91-201; TOs 11N-20-5, 11N-20-7, 11N-20-11, 11N-100-2, 11N-45-51 series, 13C2-1-1</b>											
16.4.1.	Policy/Purpose							A	-	B	-	-
16.4.2.	Unit Responsibilities for Transporting, Shipping and Receiving Nuclear Cargo							A	-	A	-	B
16.4.3.	Use Nuclear Ordnance Shipping Schedule (NOSS)							-	-	-	-	B
16.4.4.	Briefing Requirements							-	-	-	-	A
16.4.5.	Loading/Blocking and Shoring							A	-	B	-	-
<b>16.5.</b>	<b>Special Assignment Airlift Missions (SAAM)/DOE Movement Coordination</b>											
16.5.1.	Bombs							A	-	B	-	-
16.5.2.	Containers							A	-	B	-	-
16.5.3.	Emergency Evacuation							A	-	B	-	-
<b>16.6.</b>	<b>Inspect/Use Ground Support Equipment</b>											
16.6.1.	Wheeled Prybars							-	-	b	-	-
16.6.2.	Pallet Jacks							-	-	-	-	-
16.6.3.	MB-1 Chain Assembly							2b	-	b	-	-
16.6.4.	CGU-1/B or equivalent							2b	-	b	-	-
16.6.5.	CGU-4/E or equivalent							2b	-	b	-	-
<b>16.7.</b>	<b>SGT/MGT Shipment</b> <b>TR: DESR6055.09_AFMAN91-201; TO 11N-20-5, 11N-20-7, 11N-45-51 series</b>											
16.7.1.	General							A	-	B	-	-
16.7.2.	Integrated Surety Architecture (ISA)							-	-	-	-	-
16.7.3.	Multi-Platform Transportation Application Device (MTAD)											
16.7.3.1.	Inspect/Install/Remove MTAD (B61)							-	-	-	-	-
16.7.3.2.	Inspect/Install/Remove MTAD (W80)							-	-	-	-	-
16.7.4.	Inspect/Install/Remove Track Studs							-	-	a	-	-
16.7.5.	Inspect/Install/Remove Tiedown Adapters and Pear Shaped Rings							-	-	a	-	-
16.7.6.	Use Drum Tiedown Adapters							-	-	a	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>16.8.</b>	<b>Load/Offload Shipping and Storage Containers and Bomb Hand Trucks to/from SGT/MGT</b>											
16.8.1.	Load Generic Boxes							-	-	-	-	-
16.8.2.	Overland Palletized Unit Shipper (OPUS)							-	-	a	-	-
16.8.3.	Enhanced Bomb Restraint (EBR)							-	-	-	-	-
16.8.4.	Connect/Disconnect/Install Integrated Surety Architecture (ISA)/Multi-Platform Transportation Application Device (MTAD) Components							-	-	-	-	-
16.8.5.	H1125A/H1671 Bomb Cradle/H1242 Caster Set							-	-	-	-	-
16.8.6.	H1224A Shipping and Storage Container							-	-	-	-	-
16.8.7.	H1347/H1347A Bomb Hand Truck/H795 Caster Set							-	-	-	-	-
16.8.8.	H1388 Shipping and Storage Container							-	-	-	-	-
16.8.9.	H1408 Shipping and Storage Container							-	-	-	-	-
16.8.10.	H1473 Shipping and Storage Container							-	-	-	-	-
16.8.11.	LLC Containers/Kits							-	-	-	-	-
<b>16.9.</b>	<b>Load/Offload Shipping and Storage Containers and Bomb Hand Trucks to/from Trailers</b>											
16.9.1.	H1125A or H1671 Bomb Cradle/H1242 Caster Set							2b	-	b	-	-
16.9.2.	H1224A Shipping and Storage Container							-	-	-	-	-
16.9.3.	H1347/H1347A Bomb Hand Truck							-	-	-	-	-
16.9.4.	H1388 Shipping and Storage Container							-	-	-	-	-
16.9.5.	H1473/H1545 Shipping and Storage Container							-	-	-	-	-
<b>16.10.</b>	<b>25/40 Foot Trailers TR: AFMAN 24-306; TOs 36-1-191, 11N-45-51 Series, 11N-5202-2, 13C2-1-1 and Work Cards</b>											
16.10.1.	Perform Pre/Post Use Inspection							2b	-	a	-	-
<b>16.10.2.</b>	<b>Load/Offload/Use Trailer with:</b>											
16.10.2.1.	Bombs							-	-	b	-	-
16.10.2.2.	Containers							-	-	b	-	-
<b>16.11.</b>	<b>MHU-141 Trailer TR: TOs 11N-45-51, 11N-B1004-1, 13C2-1-1, 33D3-11-36-6WC-2, 35D3-2-27-1, 11N-H5045-2, 11N-W80.83-2</b>											
16.11.1.	Perform Pre/Post Use Inspection (TQT)							2b	-	a	-	-
<b>16.11.2.</b>	<b>Load/Offload/Use Trailer with:</b>											
16.11.2.1.	Bombs (TQT)							2b	-	b	-	-
16.11.2.2.	Missiles							-	-	b	-	-
16.11.2.3.	Warheads							-	-	b	-	-

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		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>16.12.</b>	<b>MHU 196/204 Trailer TR: TO 35D3-29-3-1</b>											
16.12.1.	Perform Pre/Post Use Inspection							2b	-	b	-	-
16.12.2.	Use							2b	-	b	-	-
16.12.3.	Towing Procedures							a	-	a	-	-
<b>16.13.</b>	<b>Lift Vehicles</b>											
<b>16.13.1.</b>	<b>Forklift TR: AFI 24-302; AFMAN 24-306, 91-203; TOs 36-1-191, 36M2-2 Series, 11N-45-51 Series, 11N-B1004-1</b>											
16.13.1.1.	Perform Pre/Post Use Inspection							2b	-	b	-	-
16.13.1.2.	Operate/Use							2b	-	b	-	-
<b>16.13.1.3.</b>	<b>Transfer/Transport Weapons</b>											
16.13.1.3.1.	Bolstered (TQT)							2b	-	b	-	-
16.13.1.3.2.	Unbolstered (TQT)							2b	-	b	-	-
16.13.1.3.3.	Warhead Containers							-	-	b	-	-
16.13.1.3.4.	Reentry System (RS)							-	-	b	-	-
16.13.1.3.5.	Reentry Vehicle (RV)							-	-	-	-	-
<b>16.13.2.</b>	<b>Lift Trucks TR: TO 35D5-3-8-31, 35D3-29-1-1, 35D3-9-21-1</b>											
<b>16.13.2.1.</b>	<b>MHU-83 Series</b>											
16.13.2.1.1.	Perform Pre/Post Use Inspection (TQT)							-	-	b	-	-
16.13.2.1.2.	Operate/Use (TQT)							-	-	b	-	-
<b>16.13.2.2.</b>	<b>MHU-174/E</b>											
16.13.2.2.1.	Perform Pre/Post Use Inspection							2b	-	b	-	-
16.13.2.2.2.	Operate/Use							2b	-	b	-	-
<b>16.13.2.3.</b>	<b>MJ1 and MJ40/E</b>											
16.13.2.3.1.	Perform Pre/Post Use Inspection (TQT)							-	-	b	-	-
16.13.2.3.2.	Operate/Use (TQT)							-	-	b	-	-
<b>16.13.2.4.</b>	<b>Transfer Weapons Using Lift Trucks TR: TOs 11N-B1004-1, 11N-BXX Series, 11N-WXX Series, 21M-AGM86-6-2</b>											
16.13.2.4.1.	Unbolstered (TQT)							2b	-	b	-	-
16.13.2.4.2.	Warhead							2b	-	b	-	-
16.13.2.4.3.	Missile							2b	-	b	-	-
<b>16.14.</b>	<b>Inspect/Use Tow Vehicles TR: AFI 24-302; AFMAN 24-306; TOs 36-1-191, 36A10-Series, 36-12- Series</b>											
16.14.1.	Semi-Tractor							-	-	-	-	-
16.14.2.	2.5 Ton Cargo							-	-	-	-	-
16.14.3.	5 Ton Cargo							-	-	-	-	-
16.14.4.	Eagle Bobtail (TQT)							-	-	-	-	-
16.14.5.	MB-4							-	-	-	-	-
16.14.6.	Inspect and Use Pintle Hooks on Tow Vehicles/Trailers TR: TO 36-1-121							-	-	-	-	-
<b>17.</b>	<b>NUCLEAR BOMB MAINTENANCE TR: AFMAN 21-204; AFI 21-205; TOs 11N-35-51, 11N-35-51A</b>											
<b>17.1.</b>	<b>B61 Bomb (Mod 3, 4, 7, 11, 12) TR: TOs 11N-B61 Series, 11N- C5067-1, 33D5-60-16-1</b>											

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.1.1.	Weapons Summary/General Information							A	-	A	-	-
17.1.2.	Perform Visual Monitor (TQT)							2b	-	b	-	-
17.1.3.	Emergency Procedures							A	-	B	-	-
17.1.4.	Perform Command Disablement (TQT)							2b	-	b	-	-
<b>17.1.5.</b>	<b>Maintenance/Handling Procedures</b>											
17.1.5.1.	Immobilize H1125A/H1242/H1671							2b	-	b	-	-
17.1.5.2.	Lift with H1004 (TQT)							2b	-	b	-	-
17.1.5.3.	Lift with H563/H1701							-	-	b	-	-
17.1.5.4.	Remove/Install Bomb from/to H1125A/H1671							2b	-	b	-	-
17.1.5.5.	Stack/Unstack Bombs							-	-	b	-	-
17.1.5.6.	Remove/Install H1242							-	-	-	-	-
17.1.5.7.	Transfer Bomb into/out of STMS/WSV (TQT)							2b	-	-	-	-
17.1.5.8.	Install/Remove Bomb in H1229/H1229A/H1654/H1759/H1749							2b	-	b	-	-
17.1.5.9.	Perform General Maintenance (GM) Procedures (TQT)							2b	-	b	-	-
17.1.5.10.	Perform Parachute Exchange GM Procedures							-	-	-	-	-
17.1.5.11.	Perform Limited Life Component Exchange (LLCE)							2b	-	b	-	-
17.1.5.12.	Unpackage/Package LLCE Components							-	-	-	-	-
17.1.5.13.	Tail Kit Assembly (TKA)							-	-	-	-	-
<b>17.1.6.</b>	<b>Joint Test Assemblies</b>											
17.1.6.1.	Perform Receipt Inspection							-	-	-	-	-
17.1.6.2.	Prepare for Flight Test							-	-	-	-	-
17.1.6.3.	Return JTA Material to DOE							-	-	-	-	-
<b>17.2.</b>	<b>B83 Bomb TR: TOs 11N-B83 Series</b>											
17.2.1.	Weapons Summary/General Information							A	-	A	-	-
17.2.2.	Perform Visual Monitor (TQT)							2b	-	b	-	-
17.2.3.	Emergency Procedures							-	-	b	-	-
17.2.4.	Perform Command Disablement (TQT)							2b	-	b	-	-
<b>17.2.5.</b>	<b>Maintenance/Handling Procedures</b>											
17.2.5.1.	Immobilize H1347A							-	-	b	-	-
17.2.5.2.	Lift with H563/H1701							-	-	-	-	-
17.2.5.3.	Lift with H1004							-	-	b	-	-
17.2.5.4.	Install/Remove H721							-	-	-	-	-
17.2.5.5.	Install/Remove H1095/H1095A							-	-	b	-	-
17.2.5.6.	Install/Remove H1097A							-	-	-	-	-
17.2.5.7.	Remove/Install Bomb from/to H1347A							-	-	-	-	-
17.2.5.8.	Stack/Unstack Bombs in H1347A							-	-	-	-	-
17.2.5.9.	Perform General Maintenance (GM) Procedures (TQT)							b	-	b	-	-
17.2.5.10.	Perform Limited Life Component Exchange (LLCE)							b	-	-	-	-
17.2.5.11.	Unpackage/Package LLCE Components							-	-	-	-	-
<b>17.2.6.</b>	<b>Joint Test Assemblies</b>											
17.2.6.1.	Perform Receipt Inspection							-	-	-	-	-
17.2.6.2.	Prepare for Flight Test							-	-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
17.2.6.3.	Return JTA Material to DOE							-	-	-	-	-
<b>18.</b>	<b>LAUNCHERS/PYLONS TR: DAFI 91-111; TOs 11N-L5001-Series, 11N-L5006- Series, 16W6-33-1, 21-AGM86-6-2</b>											
<b>18.1.</b>	<b>Common Strategic Rotary Launcher (CSRL)/Rotary Launcher Assembly (RLA)</b>											
18.1.1.	Introduction							A	-	B	-	-
18.1.2.	Inspect/Maintain/Operate							2b	-	b	-	-
18.1.3.	Inspect/Use Launcher Loader Adapter							2b	-	b	-	-
18.1.4.	Install/Remove Launcher to/from Frame							2b	-	b	-	-
18.1.5.	Configure Launcher							-	-	-	-	-
18.1.6.	Prepare/Configure Ejector Rack							a	-	b	-	-
18.1.7.	Install/Remove Ejector to/from Launcher/Missile							-	-	b	-	-
18.1.8.	Install/Remove Cartridges							a	-	b	-	-
18.1.9.	Perform Ejector Safe Position Test							-	-	-	-	-
<b>18.2.</b>	<b>Mate/Demate Procedures</b>											
18.2.1.	Missiles							-	-	b	-	-
18.2.2.	Bombs							-	-	b	-	-
18.2.3.	Perform Missile Safe Status Check							2b	-	b	-	-
18.2.4.	Perform Operational Readiness Inspection							b	-	b	-	-
18.2.5.	Inspect/Use Field Repairable Connector System (FRCS)							-	-	-	-	-
<b>18.3.</b>	<b>Perform Launcher Maintenance</b>											
18.3.1.	Perform ECS Bypass Test							-	-	-	-	-
18.3.2.	Perform ECS Leakage test							-	-	-	-	-
18.3.3.	Perform Periodic Inspection							-	-	-	-	-
18.3.4.	Remove/Install/Repair Launcher Components							-	-	-	-	-
<b>18.4.</b>	<b>Pylons (SUU-67) TR: TO 16W6-33-1, 21AGM86-6-2</b>											
18.4.1.	Introduction							A	-	A	-	-
<b>18.5.</b>	<b>Prepare Pylon for Use/Shipment</b>											
18.5.1.	Inspect/Use Pylon Loader Adapter							2b	-	b	-	-
18.5.2.	Install/Remove Pylon to/from Load Frame							2b	-	b	-	-
18.5.3.	Prepare/Configure Ejector							a	-	b	-	-
18.5.4.	Install/Remove Ejector to/from Missile							2b	-	b	-	-
18.5.5.	Install/Remove Cartridges							a	-	b	-	-
<b>18.6.</b>	<b>Perform Mate/Demate Procedures</b>											
18.6.1.	ALCM							2b	-	b	-	-
18.6.2.	Perform Missile Safe Status Check							2b	-	-	-	-
18.6.3.	Perform Operational Readiness Inspection							-	-	-	-	-
<b>18.7.</b>	<b>Perform Pylon Maintenance</b>											
18.7.1.	Perform ECS Bypass Valve Test							-	-	-	-	-
18.7.2.	Perform ECS Leakage test							-	-	-	-	-
18.7.3.	Perform Periodic Inspection							-	-	-	-	-
18.7.4.	Install/Remove Ejector(s) to/from Pylon							-	-	-	-	-
18.7.5.	Remove/Install/Repair Pylon Components							-	-	-	-	-
18.7.6.	Perform Continuity Checks							-	-	-	-	-



1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>19.</b>	<b>GUIDED MISSILE SYSTEMS</b> <b>TR: DAFI 91-111;</b> <b>TOs 11N-W80.83 Series, 21M-AGM86-2-1, 11N-W80 Series</b>											
<b>19.1.</b>	<b>W80 Warhead</b>											
19.1.1.	Weapons Summary/General Information							A	-	A	-	-
19.1.2.	Emergency Procedures							A	-	B	-	-
<b>19.2.</b>	<b>Maintenance/Handling Procedures</b>											
19.2.1.	Lift with H563							-	-	-	-	-
19.2.2.	Remove/Install Warhead from/to H1388/H1702							2b	-	b	-	-
19.2.3.	Remove/Install Warhead from/to MMU-89/E/MHU-71/E							-	-	-	-	-
19.2.4.	Perform General Maintenance (GM) Procedures							2b	-	b	-	-
19.2.5.	Perform Limited Life Component Exchange (LLCE)							2b	-	b	-	-
19.2.6.	Unpackage/Package LLCE Components							-	-	-	-	-
<b>19.3.</b>	<b>Joint Test Assemblies (JTA)</b>											
19.3.1.	Perform Receipt Inspection							-	-	-	-	-
19.3.2.	Prepare for Flight Test							-	-	-	-	-
19.3.3.	Return JTA Material to DOE							-	-	-	-	-
<b>19.4.</b>	<b>Mate/Demate Warhead</b>											
19.4.1.	Remove/Install Warhead from/to ALCM Using MHU-170							-	-	b	-	-
19.4.2.	Remove/Install Warhead from/to ALCM using GSU-283							2b	-	b	-	-
<b>19.5.</b>	<b>Launcher/Pylon/Adapter Handling Operation</b> <b>TR: TOs 11N-W80.83-2, 35D3-29-3-1, 11N-H5079-2</b>											
19.5.1.	Transport Pylon							a	-	a	-	-
19.5.2.	Transport Launcher							a	-	-	-	-
19.5.3.	Mate/Demate Adapter							2b	-	b	-	-
19.5.4.	Inspect/Maintain/Test/Operate Suspended Loading and Checkout Frame							a	-	b	-	-
<b>20.</b>	<b>MAU-12/BRU-44 EJECTOR RACKS</b> <b>TR: TOs 11N-L5000 Series, 16W6-33-1, 11B29-3-25-2, 11B29-3-63-1, 11B29-3-70-1, 11A-15-7-7, 11A-18-7-7</b>											
20.1.	Description							A	-	B	-	-
<b>21.</b>	<b>MINUTEMAN III REENTRY SYSTEM</b>											
<b>21.1.</b>	<b>Reentry System Assembly/Disassembly</b> <b>TR: TOs 11N-RS133-2-1, 16W21-4-2</b>											
21.1.1.	Install/Remove Aft Shroud and V-Band Clamp							-	-	b	-	-
21.1.2.	Install/Remove RV							b	-	b	-	-
21.1.3.	Install/remove reentry system installation mounting hardware/reconfigure payload support							-	-	b	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.1.4.	Install/Remove Chaff Dispenser							-	-	b	-	-
21.1.5.	Install/Remove Forward Shroud Components Rocket Motor and Initiator/W6C Cable							-	-	b	-	-
21.1.6.	Install/Remove AFT Shroud Components W6B Cable/Access Doors/Panels/Inserts							-	-	b	-	-
<b>21.2.</b>	<b>Reentry System Electrical Checkouts TR: TOs 11N-RVXX-2, 11N-RS133-2-1, 11N-RS133-2-2, 16W21-4-2, 11N-TRV5528-2, 11N-TRV5099-2, 33D9-38-15-2, 11N-RS12A-2-1, 11N-RS21M-2-1 (Mod 3), 11N-RS21M-2-2 (Mod 5), 11N-RS133-2-8, 11A15-1-167-1</b>											
21.2.1.	Install/Remove Mod 5 Signal Conditioner Monitor Group & Cable Kit							-	-	-	-	-
21.2.2.	Install/Remove Mod 5 Chaff Instrumentation Kit							-	-	-	-	-
21.2.3.	Checkout Forward Shroud Confidence Monitor Loop using ESCTS							-	-	b	-	-
21.2.4.	Test Cables using RSTS							-	-	b	-	-
21.2.5.	Test Cables using RSTC							-	-	-	-	-
21.2.6.	Test Cables using SFTS							-	-	-	-	-
21.2.7.	Checkout of Payload Support with RSTS (MK12A)							-	-	a	-	-
21.2.8.	Checkout of Payload Support with RSTC (MK12A)							-	-	-	-	-
21.2.9.	Checkout Chaff Sub-assembly using RSTS (MK12A)							-	-	a	-	-
21.2.10.	Checkout Chaff Sub-assembly using RSTC (MK12A)							-	-	-	-	-
21.2.11.	Checkout Targeting Function using RSTS (MK12A)							-	-	a	-	-
21.2.12.	Checkout Targeting Function using RSTC (MK12A)							-	-	-	-	-
21.2.13.	Checkout RS with ESCTS (MK12A/MK21)							-	-	a	-	-
21.2.14.	Checkout of Payload Support with SFTS (MK21)							-	-	-	-	-
21.2.15.	Checkout of Payload Support with RSTC (MK21)							-	-	-	-	-
21.2.16.	Checkout of Final Fuze Set and Verify (Targeting) (MK21)							-	-	-	-	-
21.2.17.	Test Mod 5 Components with RSTS (W5R, MDM, Mod 5 Inst, Mod 5 Final)							-	-	-	-	-
21.2.18.	Checkout Forward Shroud Rocket Motor Initiator/Thruster Bolt/Ball Lock Pressure Cartridges							-	-	a	-	-
<b>21.3.</b>	<b>RS Transfers</b>											
21.3.1.	Transfer RS to/from Pallet and Assembly Stand							-	-	b	-	-
21.3.2.	Transfer RS to/from Munitions Facility Pit							-	-	b	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
21.3.3.	Transfer Forward Shroud on Pallet							-	-	b	-	-
21.3.4.	Transfer Payload Support to/from Assembly Stand							-	-	b	-	-
21.3.5.	Transfer Chaff Dispensers to/from Replacement Fixtures and Maintenance Stand							-	-	b	-	-
<b>21.4.</b>	<b>Reentry System Maintenance Procedures</b> <b>TR: TOs 16W21-4-1, 11N-RS133-2-1, 16W21-4-2, 11A15-1-167-1</b>											
21.4.1.	Unpack/Pack/Inspect RS Components							a	-	b	-	-
21.4.2.	Repair/Replace RS Components							-	-	a	-	-
<b>22.</b>	<b>MK-12A REENTRY VEHICLE</b>											
<b>22.1.</b>	<b>W78 Warhead</b> <b>TR: TOs 11N-W78-1, 11N-35-51, 11N-RV12A-2</b>											
22.1.1.	Weapon Summary/General Information							A	-	-	-	-
22.1.2.	Emergency Procedures							A	-	B	-	-
22.1.3.	Perform General Maintenance (GM) Procedures							2b	-	b	-	-
22.1.4.	Perform Limited Life Component Exchange (LLCE)							-	-	b	-	-
22.1.5.	Unpackage/Package LLCE Components							-	-	-	-	-
<b>22.2.</b>	<b>Warhead Handling Procedures</b> <b>TR: TOs 11N-RV12A-2, 11N-W78-1, 11N-45-51 Series</b>											
22.2.1.	Unpackage/Package Warhead in H1224A							2b	-	b	-	-
22.2.2.	Transfer Warhead to/from RV Assembly Stand							2b	-	b	-	-
<b>22.3.</b>	<b>MK12A Reentry Vehicle</b> <b>TR: TOs 11N-RV12A-2, 33D9-38-15-2</b>											
22.3.1.	Assembly/Disassembly							2b	-	b	-	-
22.3.2.	Install/Remove Reentry System Installation Kit							2b	-	b	-	-
<b>22.4.</b>	<b>MK12A RV Transfer</b> <b>TR: TOs 11N-RV12A-2, 11A15-1-167-1, 11N-RS133-2-1</b>											
22.4.1.	Transfer RV with or without RS Installation Kit to/from RV Pallet							-	-	-	-	-
22.4.2.	Transfer RV with or without RS Installation Kit to/from RV Assembly Stand							2b	-	b	-	-
22.4.3.	Transfer RV with or without RS Installation Kit to/from Ball Lock Installation Stand							2b	-	b	-	-
<b>22.5.</b>	<b>MK12A RV Components</b> <b>TR: TO 11N-RV12A-2, 11A15-1-167-1, 11N-RS12A-2-1</b>											
22.5.1.	Checkout Forward Section using Capacitance Meter							-	-	b	-	-
22.5.2.	Checkout Forward Section using RSTS							-	-	b	-	-
22.5.3.	Checkout Forward Section using FSTS							-	-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
22.5.4.	Checkout Mid-Section W1B and W2B/W1E and W2E Cables using ESCTS							-	-	b	-	-
22.5.5.	Checkout W3A Cable using RSTS							-	-	b	-	-
22.5.6.	Checkout W3A Cable using RSTC							-	-	-	-	-
22.5.7.	Checkout Hot Gas Generator Initiator							-	-	b	-	-
22.5.8.	Unpack/Pack/Inspect							2b	-	b	-	-
22.5.9.	Install/Remove Neutron Generators and/or JTA6 Aft Section Sensor Kit							-	-	-	-	-
22.5.10.	Assemble/Disassemble							-	-	-	-	-
<b>22.6.</b>	<b>MK12A RV Maintenance Procedures TR: TO 11N-RV12A-2</b>											
22.6.1.	Clean/Repair/Inspect Forward Section							2b	-	b	-	-
22.6.2.	Clean/Repair/Inspect Mid-Section							2b	-	b	-	-
22.6.3.	Clean/Repair/Inspect Aft Section							2b	-	b	-	-
<b>22.7.</b>	<b>RV Mod 5T TR: TO 11N-RS12A-2-2</b>											
22.7.1.	Unpack/Pack/Inspect							-	-	-	-	-
22.7.2.	Install/Remove Aft Section Ballast Kit							-	-	-	-	-
22.7.3.	Assemble/Disassemble							-	-	-	-	-
<b>22.8.</b>	<b>RV Mod 6 TR: TO 11N-RS12A-2-2</b>											
22.8.1.	Unpack/Pack/Inspect							-	-	-	-	-
22.8.2.	Unpack/Pack/Inspect Forward & Aft Section							-	-	-	-	-
22.8.3.	Assemble/Disassemble							-	-	-	-	-
<b>23.</b>	<b>MK-21 REENTRY VEHICLE</b>											
<b>23.1.</b>	<b>W87 Warhead TR: TOs 11N-W87-1, 11N-35-51, 11N-RV21-2</b>											
23.1.1.	Weapon Summary/General Information							A	-	-	-	-
23.1.2.	Emergency Procedures							A	-	B	-	-
23.1.3.	Perform General Maintenance (GM) Procedures							2b	-	b	-	-
23.1.4.	Perform Limited Life Component Exchange (LLCE)							2b	-	b	-	-
23.1.5.	Unpackage/Package LLCE Components							-	-	-	-	-
<b>23.2.</b>	<b>Warhead Handling Procedures TR: TOs 11N-W87-1, 11N-45-51 Series, 11N-RV21-2</b>											
23.2.1.	Unpackage/Package Warhead in H1473/H1639							2b	-	b	-	-
23.2.2.	Transfer Warhead to/from RV Assembly Stand							2b	-	a	-	-
<b>23.3.</b>	<b>MK21 Reentry Vehicle TR: TO 11N-RV21-2</b>											
23.3.1.	Assembly/Disassembly							2b	-	b	-	-
23.3.2.	Install/Remove Reentry System Installation Kit							-	-	-	-	-
<b>23.4.</b>	<b>MK21 RV Transfer TR: TO 11NRV21-2, 11N-RS133-2-1</b>											

1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
23.4.1.	Transfer RV with or without RS Installation Kit to/from RV Pallet							-	-	-	-	-
23.4.2.	Transfer RV with or without RS Installation Kit to/from RV Assembly Stand							-	-	-	-	-
23.4.3.	Transfer RV with or without RS Installation Kit to/from Ball Lock Installation Stand							-	-	-	-	-
<b>23.5.</b>	<b>MK21 RV Components TR: TO 11N-RV21-2, 11N-TRV5080-8, 11A15-1-167-1</b>											
23.5.1.	Unpack/Pack/Inspect							2b	-	-	-	-
23.5.2.	Checkout Arming and Fuzing Assembly							-	-	-	-	-
23.5.3.	Checkout High Impulse Transducer (HIT) Cable							-	-	-	-	-
23.5.4.	Checkout Rear Cover Delay Initiators							-	-	-	-	-
<b>23.6.</b>	<b>MK21 RV Maintenance Procedures TR: TO 11N-RV21-2</b>											
23.6.1.	Clean/Repair/Inspect Forward Section							2b	-	b	-	-
23.6.2.	Clean/Repair/Inspect Body Section							2b	-	b	-	-
23.6.3.	Clean/Repair/Inspect Rear Cover							2b	-	b	-	-
<b>23.7.</b>	<b>RV Mod 5F TR: TOs 11N-RV21-2, 11N-RS21M-2-2</b>											
23.7.1.	Assemble/Disassemble							-	-	-	-	-
<b>23.8.</b>	<b>RV Mod 5T TR: TO 11N-RS21M-2-2</b>											
23.8.1.	Assemble/Disassemble							-	-	-	-	-
<b>23.9.</b>	<b>RV Mod 6 TR: TO 11N-RS21M-2-2</b>											
23.9.1.	Assemble/Disassemble							-	-	-	-	-
<b>24.</b>	<b>Electrical Fault Isolation Procedures for RS/RV TR: TOs 11N-RS133-2-1, 33D9-38-15-2, 11N-TRV5099-2, 11N-RS21M-2-1, 11N-RS21M-2-2, 11N-TRV5528-2, 11N-TRV5532-2, 11N-RVXX-2</b>											
24.1.	Perform Fault Isolation Procedures using the ESCTS							a	-	b	-	-
24.2.	Perform Fault Isolation Procedures using the RSTS							-	-	b	-	-
24.3.	Perform Fault Isolation Procedures using the SFTS							-	-	-	-	-
24.4.	Perform Fault Isolation Procedures using the RSTC							-	-	-	-	-
24.5.	Perform Fault Isolation Procedures using the FSTS							-	-	-	-	-
<b>25.</b>	<b>WEAPON STORAGE AND SECURITY SYSTEM TR: TOs 11N-50-100X Series, 11N-50-10XX Series, USAFE-AFAFRICAI 17-973</b>											
<b>25.1.</b>	<b>Vault Control Group TR: TO 11N-50-10XX</b>											
1. Tasks, Knowledge And Technical References		2. Core Tasks	3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided				

		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level		
		5/7 Level	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	(1) Course	(2) CDC	(1) Course	(2) CDC
25.1.1.	Safety Summary							A	-	-	-	-
25.1.2.	Description							A	-	B	-	-
<b>25.2.</b>	<b>Principles of Operation</b>											
25.2.1.	System Overview							A	-	B	-	-
<b>25.3.</b>	<b>Inspection</b>											
25.3.1.	Preventative Maintenance							-	-	-	-	-
25.3.2.	Two-Person Component Inspection							-	-	-	-	-
<b>25.4.</b>	<b>Operation</b>											
25.4.1.	Use Code Module Procedures (TQT)							2b	-	a	-	b
25.4.2.	Primary System Operation (TQT)							2b	-	-	-	-
25.4.3.	Alternate System Operation (TQT)							-	-	-	-	-
25.4.4.	Periodic (Annual) and Unscheduled Rekey/Recode of Components							A	-	-	-	-
<b>25.5.</b>	<b>Vault Control Group Maintenance</b>											
25.5.1.	Perform Maintenance Procedures							-	-	-	-	-
25.5.2.	Circuit Diagrams							-	-	-	-	-
25.5.3.	Inspect/Operate/Maintain Toxic Air Tester							-	-	a	-	-
<b>25.6.</b>	<b>Code-Transfer Group (CTG) TR: TO 11N-50-10XX</b>											
25.6.1.	Description and Capabilities of Components							A	-	-	-	-
<b>25.7.</b>	<b>CTG Principles of Operation</b>											
25.7.1.	Identification and Time Delay (ID/TD) Operation							-	-	B	-	-
25.7.2.	Recode Operations							-	-	B	-	-
25.7.3.	Rekey Operations							-	-	B	-	-
<b>25.8.</b>	<b>Inspection and Tests</b>											
25.8.1.	Physical Inspection of Components							a	-	-	-	-
25.8.2.	Functional Tests							a	-	-	-	-
<b>25.9.</b>	<b>Operating Procedures</b>											
25.9.1.	Code Transfer Unit (TQT)							a	-	-	-	-
25.9.2.	Unlock Operation (TQT)							a	-	-	-	-
25.9.3.	ID/TD Operation							a	-	-	-	-
25.9.4.	Recode Operation							a	-	-	-	-
25.9.5.	Rekey Operation							a	-	-	-	-
<b>25.10.</b>	<b>CTG Maintenance</b>											
25.10.1.	Perform Maintenance Procedures							-	-	-	-	-
25.10.2.	Prepare for Storage and Shipment							-	-	-	-	-
<b>25.11.</b>	<b>Deactivation/Reactivation of WS3 TR: TO 11N-50-1008</b>											
25.11.1.	Description							-	-	-	-	-
25.11.2.	Deactivation/ Reactivation							-	-	-	-	-
25.11.3.	Level I/II Periodic Inspection							-	-	-	-	-
<b>25.12.</b>	<b>Secure Transportable Maintenance System (STMS) TR: TO 11N-50-1010-X, 11N-B61-1, AFI 21-205 USAFE-AFAFRICASUP</b>											
25.12.1.	Inspect/Preparation for Use/Operate							a	-	b	-	-
25.12.2.	Periodic Inspections							-	-	-	-	-
<b>25.13.</b>	<b>STMS Crane / Hoist (Side Jib &amp; Overhead Rail) TR: TO 11N-50-1010-1, AFMAN 91-203</b>											
25.13.1.	Inspect/Preparation for Use/Operate							a	-	-	-	-
25.13.2.	Periodic Inspections							-	-	-	-	-