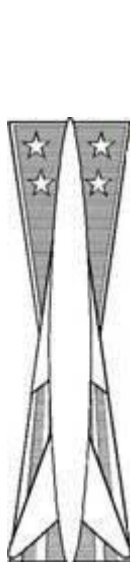


DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington DC 20330-1030

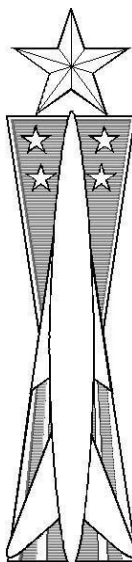
CFETP 2M0X3
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AFSC 2M0X3

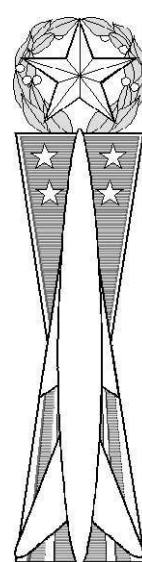
MISSILE AND SPACE FACILITIES



BASIC



SENIOR



MASTER

CAREER FIELD EDUCATION AND TRAINING PLAN

AFSC 2M0X3
CAREER FIELD EDUCATION TRAINING PLAN

PREFACE

1. A highly trained, motivated enlisted workforce is the Air Force's key resource in meeting challenges of the future. If the Air Force is to meet present and future challenges, it's essential the workforce be effectively and efficiently trained to perform duties within each skill level of the Air Force Specialty (AFS). The Career Field Education Training Plan (CFETP) for the Missile and Space Facilities specialty provides the framework and guidance necessary for planning, developing, managing, and conducting a career field training program. The plan documents a "training roadmap" for the career field. This roadmap is used to identify mandatory and optional skill level training an individual should receive during their career in the Missile and Space Facilities specialty.
2. The CFETP consists of two parts used to plan, manage, and control training within the 2M0X3 career field.
 - 2.1. Part I provides information necessary for overall management of training in the career field. **Section A** explains how everyone will use the plan; **Section B** identifies career progression information, duties and responsibilities, training strategies, and career field flowcharts; **Section C** associates each skill level with specialty qualifications (knowledge, training, education, experience, and other); **Section D** identifies training resource constraints. Some examples are: funds, manpower, equipment, and facilities.
 - 2.2. Part II includes the following: **Section A** identifies the Specialty Training Standard (STS)/Course Training Standard (CTS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) training conducted, wartime course/core task and correspondence course requirements; **Section B** identifies the Course Objective list; **Section C** identifies available OJT support materials. Qualification training packages identified in this section have been developed to support both upgrade and qualification training. **Section D** contains a training course index supervisors can use to determine resources available to support both mandatory and optional training. **Section E** can be used to identify Major Command (MAJCOM) unique training requirements. At unit level, supervisors and trainers use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.
3. Use of this CFETP will ensure each individual in the Missile and Space Facilities specialty will receive effective and efficient training at the appropriate point in his/her career. This plan will enable the Air Force to train today's workforce for tomorrow's mission.

Abbreviations/Terms Explained

Advanced Training - A formal course that provides individuals who are already fully qualified in 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 an AFS.

Air Force Enlisted Classification Directory (AFECD) - This Guide establishes the occupational structure of the Air Force enlisted force and is written primarily for use by personnel officials (officers and senior noncommissioned officers) and agencies engaged in procurement, classification, and training of Air Force members.

Career Development Course (CDC) - A formal written course, which provides personnel with additional knowledge necessary to advance to the next higher skill level.

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

Continuation Training - Additional qualification training exceeding the minimum upgrade training requirements with emphasis on present or future duty assignments.

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

Critical Task - Tasks identified by the MAJCOM functional manager or local unit supervisors as additional qualification requirements within a specialty or duty position for assigned personnel.

Developmental Special Duty (DSD) - The Air Force identified Special Duty Positions due to their unique leadership roles and the Airman's responsibility to mentor and mold future leaders.

Facilities Maintenance Section (FMS) – FMS was created when we merged the Periodic Maintenance Team (PMT) and Facilities Maintenance Team (FMT) sections. FMS consists of personnel in AFSC 2M0X3 who perform periodic inspections, troubleshoot and repairs power generation/distribution and environmental control system faults at launch facilities and missile alert facilities.

Field Training Detachment (FTD) (Type 4) – Initial task qualification and certification for FMT technicians.

Hardened Intersite Cable Section (HICS) – HICS consist of personnel in AFSC 2M0X3 who inspect, monitor, troubleshoots and repairs the hardened intersite cable systems and associated equipment.

Initial Skills Training (Type 3) - A formal resident course that results in award of the 3-skill level.

Intercontinental Ballistic Missile (ICBM) - Personnel in AFSC 2M0XX associated with the Minuteman III weapon system. These personnel are normally associated with Air Force Global Strike Command but may be assigned to Air Force Materiel Command positions.

Occupational Analysis Report (OAR) - A detailed report showing the results of an occupational analysis report of tasks performed within a particular AFS.

On-the-Job Training (OJT) - A method used to certify personnel in both upgrade (skill level award) and qualification (duty position certification) training. OJT is hands-on, over-the-shoulder training conducted at the duty station.

Power Refrigeration and Electric (PREL) - 2M0X3s performing in-shop maintenance on weapons system components and support equipment at ICBM units.

Qualification Training (QT) - Actual hands-on task performance-based training designed to qualify an airman in a specific duty position or specific task. This training occurs both during and after the upgrade training process and is designed to provide performance skills training required to do the job.

Research and Development (R&D) - Personnel in AFSC 2M0XX associated with research, development, acquisition, and support of missiles, spacelift, lasers, weapons, etc. These personnel are normally associated with Air Force Materiel Command.

Resource Constraints - Resource deficiencies such as: funding, facilities, time, manpower, and equipment that preclude training from being delivered.

Spacelift - Personnel in AFSC 2M0XX associated with national space programs supporting the launch and recovery of space assets. These personnel are normally associated with Air Force Space Command.

Specialty Training Standard (STS) - Part II, Section A of the CFETP which identifies the training standard required to achieve a skill level(s) within an enlisted AFS. It standardizes and controls the quality of individual training.

Standard - A fixed quantity, quality, or level of performance that an individual is expected to demonstrate.

Upgrade Training (UGT) - Mandatory training that leads to the award of a higher skill level.

PART I

Section A - GENERAL INFORMATION

1. Purpose of the CFETP. This CFETP provides information that career field functional managers, training managers, commanders, supervisors, trainers, and the technical training center use to plan, develop, manage and conduct an effective career field training program. The plan outlines training individuals must receive to develop and progress throughout their career and identifies initial skills, upgrade, qualification, advanced, and continuation training. The CFETP has several purposes:

1.1. Serves as a management tool to plan, develop, manage, and conduct a career field training program. It is also used to ensure that established training is provided at the appropriate point in an individual's career.

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

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

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

2. Use of the CFETP. The CFETP will be approved and maintained by the Air Force Career Field Manager (AFCFM). The MAJCOM 2M0XX Functional Managers and AETC will review the CFETP annually to ensure currency and accuracy and forward recommended changes to the AFCFM. MAJCOMs must make sure additional training isn't developed that can be satisfied by existing courses. This plan will be used at all levels to ensure a comprehensive and cohesive training program is available and instituted for each individual in the career ladder.

2.1. AETC training personnel will develop/revise formal resident and exportable training based upon requirements established by the users and documented in part II of the CFETP. They will also develop procurement and acquisition strategies for obtaining resources needed to provide the identified training. The AFCFM consolidates and publishes final CFETP within TBA. A Utilization and Training Workshop (U&TW) will be conducted as needed and hosted by the training manager. The AFCFM will chair the U&TW.

2.2. The MAJCOM functional manager will ensure their training programs complement the CFETP mandatory initial skills and UGT requirements. OJT, resident training, contract training, or exportable courseware/courses can satisfy identified requirements. MAJCOM-developed training must be identified for inclusion in this plan and must not duplicate available training.

2.3. Each individual will complete the mandatory training requirements specified in this plan. Unit level training managers and supervisors will manage and control progression through the career field by ensuring that each individual completes the mandatory training requirements for upgrade specified in this plan as supplemented by their MAJCOM. The list of courses in Part II, Sec. D, will be used, as a reference to determine training required.

3. Maintenance and Missile Badges

3.1. 2M personnel are authorized wear of the Maintenance Badge as the AFSC Occupational Badge. Wear the basic badge after completing technical school. Wear the senior badge after award of the 7-skill level, and the master badge as a Master Sergeant or above with 5 years in the specialty from award of the 7-skill level.

3.2. Additionally, 2M personnel are authorized wear of the Missile Maintenance Badge as a Duty Badge. 2M personnel must directly work with guided missiles or missile systems and completed all 5-level upgrade training requirements in order to wear the basic badge. Wear the senior badge after award of the 7-skill level, and the master badge as a master sergeant or above with 5 years in the specialty from award of the 7-skill level. Wearing the Missile Badge without wearing the Maintenance Badge is not authorized.

3.3. All other wear requirements will be as directed per AFI 36-2903.

PART I

Section B - CAREER PROGRESSION AND INFORMATION

1. Purpose. This section provides information career field functional managers, training managers, commanders, supervisors, trainers, and the technical training center use to plan career field progression in the Missile and Space Facilities specialty. This plan describes the functions and responsibilities of AFSC 2M0X3, skill progression, training decisions, and outlines Community College of the Air Force educational opportunities.

2. Specialty Descriptions:

2.1. Missile and Space Facilities Apprentice and Journeyman (2M033/53).

2.1.1. Specialty Summary. Maintains, operates, services, and repairs power generation and distribution systems, and environmental control and associated support systems and equipment for missile, space lift, and research and development (R&D) facilities.

2.1.2. Duties and Responsibilities.

2.1.2.1. Performs preventative and operator maintenance on missile, space lift, and R&D facilities. Troubleshoots, repairs, and services missile weapon systems, space lift and R&D equipment, facilities, and support equipment (SE). Included are power generation and distribution systems such as diesel generators, automatic switching units, fiber-optic lines, manual switching gear, distribution and control panels, battery systems, and associated controls; environmental control systems; air conditioning, heating, ventilation, and refrigerant systems; and space lift support systems and associated equipment. Services SE dealing with fuel, lubricants, hydraulic fluids, and air. Analyzes support facility and equipment malfunctions, and determines operational readiness. Solves interface problems between electrical and electronic equipment. Repairs or supervises maintenance of accessories and components of direct support and real-property installed equipment. Supervises space lift booster, and payload systems maintenance and launch processing. Coordinates and oversees activities of contractor personnel during space launch activities. Performs acquisition and activation activities.

2.1.2.2. Performs priority maintenance on systems/subsystems to assure launch capability. Performs facility and support equipment tests, adjustments, and maintenance. Diagnoses malfunctions and repairs mechanical, electrical and electronic circuitry, and heating, ventilation, and air conditioning equipment using visual and auditory senses, test equipment, systems knowledge and technical publications.

2.1.2.3. Monitors, repairs, and operates missile, space lift, and R&D SE. Monitors or operates fault display, checkout panels, and test stands to detect system and component malfunctions. Tests electrical circuits and security, gas detection and fire warning systems, and auxiliary power equipment for readiness. Performs inspections and operates special vehicles.

2.1.2.4. Conducts maintenance and operations training. Conducts initial, recurring, and special

training of personnel.

2.2. Missile and Space Facilities Craftsman (2M073).

2.2.1. Specialty Summary. Maintains, operates, services, and repairs power generation and distribution systems, and environmental control and associated support systems and equipment for missile, space lift, and research and development (R&D) facilities.

2.2.2. Duties and Responsibilities.

2.2.2.1. Supervises preventative and operator maintenance on missile, space lift, and R&D facilities. Troubleshoots, repairs, and services missile weapon systems, space lift and R&D equipment, facilities, and support equipment (SE). Included are power generation and distribution systems such as diesel generators, automatic switching units, fiber-optic lines, manual switching gear, distribution and control panels, battery systems, and associated controls; environmental control systems; air conditioning, heating, ventilation, and refrigerant systems; and space lift support systems and associated equipment. Services SE dealing with fuel, lubricants, hydraulic fluids, and air. Analyzes support facility and equipment malfunctions, and determines operational readiness. Solves interface problems between electrical and electronic equipment. Repairs or supervises maintenance of accessories and components of direct support and real-property installed equipment. Supervises space lift booster, and payload systems maintenance and launch processing. Coordinates and oversees activities of contractor personnel during space launch activities. Performs acquisition and activation activities.

2.2.2.2. Supervises priority maintenance on systems/subsystems to assure launch capability. Performs facility and support equipment tests, adjustments, and maintenance. Diagnoses malfunctions and repairs mechanical, electrical and electronic circuitry, and heating, ventilation, and air conditioning equipment using visual and auditory senses, test equipment, systems knowledge and technical publications.

2.2.2.3. Supervises, monitors, repairs, and operates missile, space lift, and R&D SE. Monitors or operates fault display, checkout panels, and test stands to detect system and component malfunctions. Tests electrical circuits and security, gas detection and fire warning systems, and auxiliary power equipment for readiness. Performs inspections and operates special vehicles.

2.2.2.4. Oversees, conducts and assesses effectiveness of maintenance and operations training. Conducts and assesses effectiveness of initial, recurring, and special training.

2.3. Missile and Space Systems Superintendent/Chief Enlisted Manager (2M090/00).

2.3.1. Specialty Summary. Supervises Manages maintenance, processing, acquisition, and operation of ground and air launched missiles, aircraft missile rotary launchers and pylons, spacelift boosters, payloads, related subsystems, test, calibration, support and handling equipment, and facilities. Manages activities associated with research and development (R&D) systems.

2.3.2. Duties and Responsibilities.

2.3.2.1. Plans and organizes missile, spacelift booster, payload, and R&D maintenance and processing activities. Develops and manages organizational structure and responsibilities. Determines resource requirements. Coordinates missile, spacelift booster, and payload maintenance and launch processing activities. Requisitions and accounts for equipment, facilities, and supplies. Manages ICBM coding, acquisition, and activation activities.

2.3.2.2. Evaluates and directs missile maintenance, spacelift booster and payload processing, and R&D activities. Evaluates and directs missile, spacelift booster, payload, and R&D maintenance and processing activities. Interprets efficiency and equipment reliability findings and recommends improvement. Evaluates unit compliance with prescribed efficiency, quality, and training standards. Analyzes missile, spacelift booster, and payload systems, subsystems, components, and related equipment. Recommends improvements.

2.3.2.3. Supervises and coordinates maintenance, operations, and R&D functions.

2.3.2.4. Coordinates inspection findings.

2.3.2.5. Ensures compliance with international treaties relating to nuclear weapons and associated equipment.

3. Skill/Career Progression. Quality training and timely progression from the apprentice to the superintendent skill level play an extremely important role in the Air Force's ability to accomplish its mission. Therefore, it is essential everyone involved in training do their part to plan, develop, manage, conduct, and evaluate an effective and efficient training program. The guidance provided in this part of the CFETP will ensure individuals receive viable training at appropriate points in their career. The following narrative and the AFSC 2M0X3 career field flowcharts identify the training career path and define training required.

3.1.Apprentice (3-skill level) Training. Initial skills training in this specialty consists of tasks and knowledge training provided in Missile and Space Facilities Apprentice Course. Individuals must successfully complete these initial skills training course to be awarded the 3-skill level.

3.2.Journeyman (5-skill level) Training. Upgrade training to the 5-skill level in the Missile and Space Facilities specialty consists of: (1) mandatory requirements identified in the Air Force Enlisted Classification Directory (AFECD), and AFI 36-2201, (2) knowledge training provided in the 2M053 CDC, and (3) obtain qualification on applicable weapon system and duty section (FMS, PREL, or HICS) 5-level core tasks identified in the Training Business Area (TBA). Upgrade training can be performed by a qualified shop instructor or by completing the applicable AETC FTD course. After award of the 5-skill level, continuation training, when available, should be utilized based on an individual's particular duty position or other needs.

3.3.Craftsman (7-skill level) Training. Upgrade training to the 7-skill level in the Missile and Space Facilities specialty consists of: (1) mandatory requirements identified in the Air Force Enlisted Classification Directory (AFECD) and AFI 36-2201, (2) knowledge training provided in the CDC, and (3) obtain qualification on 7-level core tasks identified in TBA. After award of the 7-skill level, continuation training, when available, should be utilized based on an individual's particular training needs.

3.4. Superintendent (9-skill level) Training. Upgrade to the 9-skill level as a Missile and Space Systems Superintendent is accomplished at SMSgt sew-on date as long as requirements identified in the AFECD have been met. No additional requirements were identified for upgrade to AFSC 2M090. Continuation training, if available, should be utilized based on an individual's particular needs.

4. **MyVector.** All personnel are encouraged to establish an account through the Air Force Portal. MyVector is designed to be your "roadmap" to aid in your continued professional development and is the future site for performing all Enlisted Development Team AFSC Vectors. It is a useful tool in preparing individuals for the challenges that all airmen encounter.

5. **Community College of the Air Force Academic Programs.** Enrollment in CCAF occurs upon completion of basic military training. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor must possess as a minimum an associate degree or should be actively pursuing an associate degree. Special Duty Assignment (SDA) requires an AETC instructor candidates are required to have a CCAF degree or be within one year of completion (52 semester hours). A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools. CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition to its associate degree program, CCAF offers the following:

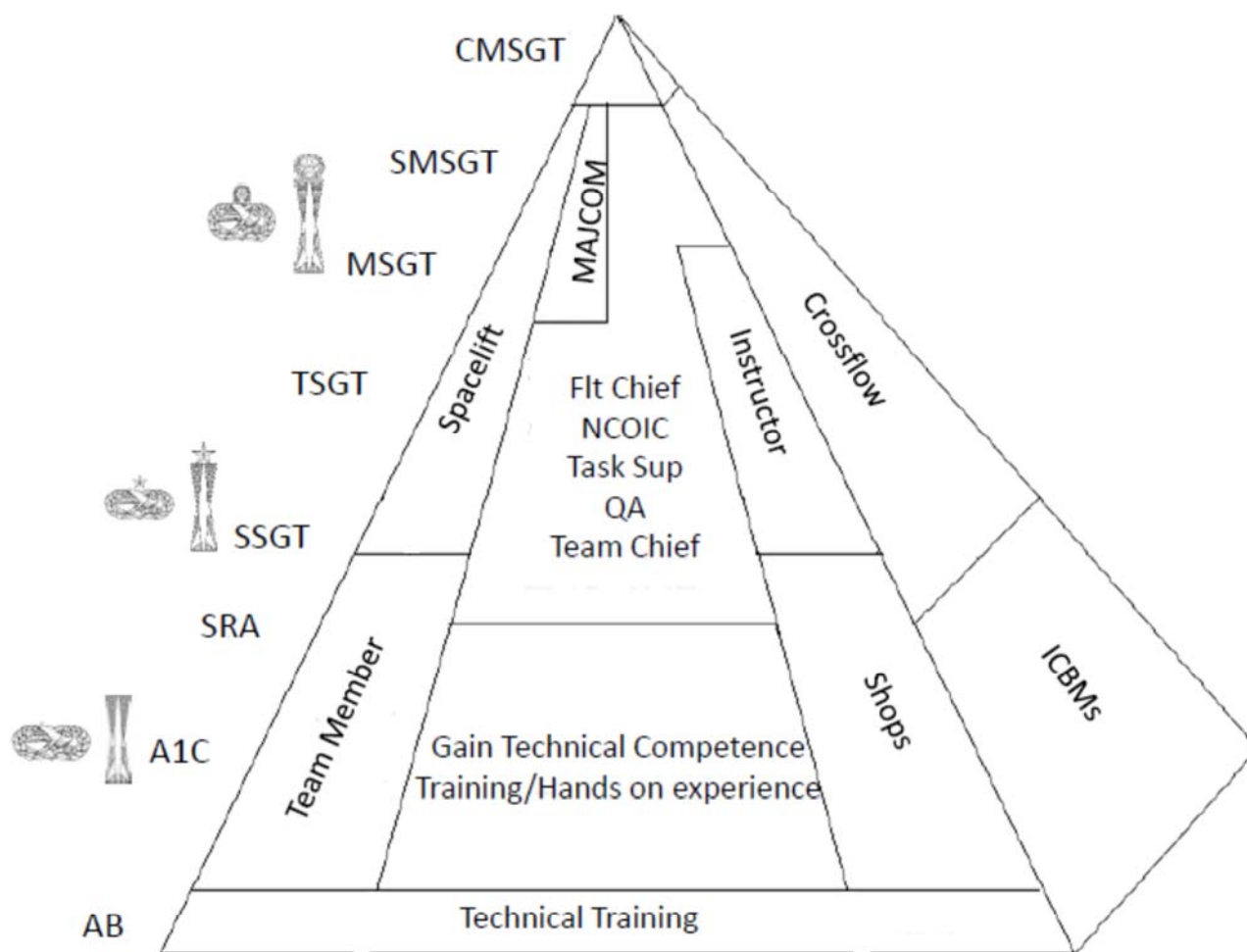
5.1 CCAF Instructor Certification (CIC) Program. CCAF offers the CIC Program for qualified instructors who teach CCAF collegiate-level credit awarding courses at a CCAF affiliated school. The CIC is a professional credential that recognizes the instructor’s extensive faculty development training, education and qualification required to teach a CCAF collegiate course and formally acknowledges the instructor’s practical teaching experience. The program is a three level program (CIC-I, CIC-II and CIC-III). Each level consists of increased or advanced requirements and achievements. The program provides CCAF instructors a structured professional development track. Refer to AETCI 36-2202, *Faculty Development and Master Instructor Programs* for additional information.

5.1. Degree Requirements. The 5-skill level must be held at the time of program completion with degree requirements for and Associate in Applied Science in Mechanical and Electrical Technology degree as follows.

Overall Requirement	Semester Hours
<i>Subject</i>	
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective	15
Total.	64

5.2. Specific Requirements. See the CCAF web site via the AF Portal for the current course catalog.

6. **Career Path Pyramid.** The Pyramid depicts a nominal career progression.



2M0X3 CAREER PATH

PART I

Section C - SKILL LEVEL TRAINING REQUIREMENTS

1. Purpose. The various skill levels in the career field are defined in terms of tasks and knowledge requirements for each skill level in the Missile and Space Facilities specialty. They are stated in broad, general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS.

2. Missile and Space Facilities Apprentice (3-skill level).

2.1.Specialty Qualifications.

2.1.1. Knowledge. Knowledge is mandatory of: electrical, mechanical, and pneumatic principles; and interpreting technical orders, workflow diagrams, blueprints, and schematics.

2.1.2. Education. Completion of high school is required with courses in mathematics and physics desirable.

2.1.3. Training. The following requirements are mandatory for award of the 3-skill level:

2.1.3.1. Completion of mandatory requirements in AFI 36-2201.

2.1.3.2. Completion of the in-residence Missile and Space Facilities Apprentice course.

2.1.4. Other. Specific qualifications necessary to maintain the 2M032 AFSC can be found in the AFECD.

2.2. Training Sources/Resources. Completion of the basic Missile and Space Facilities Course at Vandenberg AFB, CA satisfies the knowledge and training requirements for the award of the 3-skill level. A list of all training courses to support education and training is in Part II, Section D of this CFETP.

3. Missile and Space Facilities Journeyman (5-skill level).

3.1.Specialty qualifications.

3.1.1. Knowledge. Knowledge is mandatory of electrical, mechanical, and pneumatic principles; using technical orders, work flow diagrams, blueprints, and schematics.

3.1.2. Education. No educational requirements for upgrade to the 5-skill level exist at this time.

3.1.3. Training. The following requirements are mandatory for award of the 5-skill level:

3.1.3.1. Completion of mandatory requirements in AFI 36-2201.

3.1.3.2. Completion of the 5-skill level CDC 2M053.

3.1.3.3. Qualification on applicable 5-skill level core tasks for the assigned (FMS, PREL, or HICS) duty section. This item is waived for individuals in upgrade training assigned to locations that do not perform core tasks.

3.1.4. Experience. Experience is mandatory in FMS, PREL, or HICS maintenance tasks.

3.1.5. Other. Specific qualifications necessary to maintain the 2M0X3 AFSC can be found in the AFECD.

3.2.Training Sources/Resources. The STS identifies all the core tasks required for qualification in the individual's weapon system. Qualified trainers provide UGT and QT. Continuation (Advanced) training courses are available and individuals should attend based on training needs and duty position requirements. A list of all training courses to support education and training is in Part II, Section D of this CFETP.

3.3.Implementation. Entry into 5-level upgrade training may be initiated when an individual possesses the 3-skill level and has been assigned to their unit. Then, the individual may be enrolled in the 2M053 CDC upon recommendation of the supervisor. Qualification training is initiated any time an individual is assigned duties he/she is not qualified to perform.

4. Missile and Space Facilities Craftsman (7-skill level)

4.1.Specialty Qualifications.

4.1.1. Knowledge. Knowledge is mandatory of: electrical, mechanical, and pneumatic principles; and interpreting technical orders, workflow diagrams, blueprints, and schematics.

4.1.2. Education. No educational requirements for upgrade to the 5-skill level exist at this time.

4.1.3. Training. The following requirements are mandatory for award of the 7-skill level:

4.1.3.1. Completion of mandatory requirements in AFI 36-2201.

4.1.3.2. Completion of the 7-skill level CDC 2M073.

4.1.3.3. Qualification on all 7-skill level core tasks.

4.1.4. Experience. Qualification is mandatory as a Missile and Space Facilities Journeyman. Also, experience is mandatory in performing or supervising functions in 2M0X3 production work centers.

4.1.5. Other. Specific qualifications necessary to maintain the 2M0X3 AFSC can be found in the AFECD.

4.2.Training Sources/Resources. The STS identifies all the core tasks required for qualification in the individual's duty position. Qualified trainers provide UGT and QT. Continuation (Advanced) training courses are available and individuals should attend based on training needs and duty position requirements. A list of all training courses to support education and training is in Part II, Section D of this CFETP.

4.3.Implementation. Entry into 7-level upgrade training is initiated when an individual possesses the 5-skill level and has been selected for promotion to the grade of SSgt. Qualification training is initiated any time an individual is assigned duties he/she is not qualified to perform.

5. Missile and Space Systems Superintendent (9-skill level).

5.1.Specialty Qualifications.

5.1.1. Knowledge. Possess advanced skills and knowledge of ICBM, R&D systems, and Spacelift operations.

5.1.2. Education. No educational requirements for upgrade to the 9-skill level exist at this time.

5.1.3. Training. Completion of mandatory requirements in AFI 36-2201.

5.1.4. Experience. Qualification as one of the following is mandatory: Missile and Space Systems Electronics Craftsman, Missile and Space Systems Maintenance Craftsman, or Missile and Space Systems Facilities Craftsman

5.1.5. Other. Specific qualifications necessary to maintain the 2M090 AFSC can be found in the AFECD.

5.2.Training Sources/Resources. A list of all training courses to support education and training is in Part II, Section C of this CFETP.

5.3.Implementation. Qualification training is initiated any time an individual is assigned duties he/she is not qualified to perform. The 9-skill level is awarded at sew-on of SMSgt.

PART I
Section D - RESOURCE CONSTRAINTS

Purpose. This section of the CFETP identifies known resource constraints that preclude minimal/desired training from being developed or conducted. This section includes a narrative explanation of each resource constraint and impact statement describing what affect each constraint has on training. Also identified in this section are the resources needed to satisfy training requirements, include information such as part numbers, national stock numbers, number of units required, cost, manpower, etc. Finally, this section includes action required, identifies the OPR, and establishes target completion dates. Resource constraints will be, at a minimum, reviewed and updated annually.

Use IMDS/CDB – TBA Task number 007.005.002 – required training level is “2b” but can currently only be trained to the “b” level. The training IMDS database is currently under development and will not be available to meet the new training requirements. AFGSC has already funded and contracted for the development of the database that will be delivered to field units and the AETC 3-level course upon completion.

OPR: AFGSC/A4BI

Estimated Completion Date: 31 December 2018

PART II
Section A - SPECIALTY TRAINING STANDARDS

1. Implementation. This STS will be used for technical training provided by AETC for 2M0X3 courses. The STS will be used for technical training provided by Air Education and Training Command for classes no earlier than 1 May 2018 (pending CRE approval). Class implementation will be determined thru the U&TW.
2. Purpose. As prescribed in AFI 36-2201, this STS:
 - 2.1.Task, Knowledge, and Technical References list the most common tasks, knowledge, and Technical References (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill levels.
 - 2.2.Core Tasks identify tasks for 3-, 5- and 7-skill levels for the 2M0X3 career field.
 - 2.3.Certification for OJT/qualification is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications.
 - 2.4.Outlines formal training and correspondence course requirements.
 - 2.4.1. 3LVL identifies 3-skill level Missile and Space Systems Facilities Maintenance Apprentice course.
 - 2.4.2. 5LVL CDC identifies knowledge requirements for the advancement to the 5-skill level.
 - 2.4.3. 7LVL CDC identifies knowledge requirements for the advancement to the 7-skill level.
 - 2.5.Qualitative Requirements. The proficiency code key (Part II, Section A1) is used to indicate level of training and knowledge provided by resident technical school (AETC) training and career development courses.
 - 2.6.Used to document task qualifications when placed in the TBA and used in accordance to AFI 36-2201.
 - 2.6.1. For documentation, decertification/recertification and transcribing procedures see AFI 36-2201.
 - 2.6.2. IAW AFI 26-2201, the 2M0 AFCFM has directed that no core tasks require third-party certifications.
 - 2.6.3. All 2M0XX SNCOs, who are qualified on and are currently performing technical tasks (e.g. technician, team chiefs, instructors, evaluators), must maintain Career Field Education and Training Plans (CFETP) within TBA.
3. Qualification training will be documented in the TRAINING BUSINESS AREA (TBA) unless the AFCFM has approved the use of other training systems to document and manage the training of 2M0X3 personnel.

4. Space Lift Tasks. Common Space Lift tasks can be found in the TBA database titled 2M0XX-000. These tasks apply to those 2M0s assigned to Spacelift positions.
5. Report inadequacies and suggested corrections to this CFETP to the 2M0 AFCFM (DSN 222-9941) through your MAJCOM functional manager. All approved changes to this CFETP will be forwarded to 532 TRS/DOR, 597 7th St, Vandenberg AFB, CA, 93437-5305.
6. This STS supersedes AFSC 2M053/2M073 STS in CFETP 2M0X3, 28 June 2012.

JOHN B. COOPER
Lieutenant General, USAF
DCS/Logistics, Engineering and Force Protection

Part II
Section A1
Trainee/Trainer/Certifier Identification Table

<i>THIS BLOCK IS FOR IDENTIFICATION PURPOSES ONLY</i>		
NAME OF TRAINEE		
PRINTED NAME (LAST, FIRST, MIDDLE INITIAL)	INITIALS (WRITTEN)	SSAN
PRINTED NAME OF TRAINING/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	
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	
N/I	N	
N/I	N	
N/I	N	
N/I	N	

Part II
Section A1

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: THE INDIVIDUAL
TASK PERFORMANCE LEVELS	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task. (EXTREMELY LIMITED)
	2	Can do most parts of the task. Needs help only on hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all parts of the task. Needs only a spot check of completed work. (COMPETENT)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task. (HIGHLY PROFICIENT)
TASK KNOWLEDGE LEVELS	a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
	b	Can determine step by step procedures for doing the task. (PROCEDURES)
	c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
	d	Can predict, isolate, and resolve problems about the task. (ADVANCED THEORY)
SUBJECT KNOWLEDGE LEVELS	A	Can identify basic facts and terms about the subject. (FACTS)
	B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
	C	Can analyze facts and principles and draw conclusions about the subject (ANALYSIS)
	D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)
EXPLANATIONS		
* A task knowledge value may be used alone or with a task performance scale value to define a level of a specific task. (Examples: b and 1b) ** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common in several tasks. -This mark is used alone instead of a scale to show that no proficiency training is provided in the course or CDC. X This mark is used in course columns to show that training is required but not given due to limitations in resources.		

PART II
Section B - COURSE OBJECTIVE LIST

There is currently no course objective list. This area is reserved.

Section C - SUPPORT MATERIALS

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

Section D - TRAINING COURSE INDEX

1. **Purpose.** This section of CFETP identifies training courses available in the Missile and Space Facilities specialty and shows how the courses are used by each MAJCOM in their career field training programs. Career field functional managers and training management personnel should use this information to plan, develop, and update their respective MAJCOM continuation training program.

2. Air Force In-Residence Courses

2.1. *3-Level Awarding Course.* Completion of the following course is mandatory for the award of the 3-skill level.

<i>CRS NO./TITLE</i>	<i>MDS/EQUIP</i>	<i>LOCATION</i>	<i>USER</i>
V3ABR2M033 088C Missile and Space Facilities	ICBM	Vandenberg	AFGSC

2.2. *Other In-Resident Courses.*

<i>CRS NO./TITLE</i>	<i>MDS/EQUIP</i>	<i>LOCATION</i>	<i>USER</i>
J4AMP2M0X3 A88A/ PDS Code: 1X5 Facilities Maintenance Technician Journeyman	ICBM	FE Warren AFB, Minot AFB	AFGSC
J4AMP2M0X3 M88A/ PDS Code: 1X6 Facilities Maintenance Technician Journeyman	ICBM	Malmstrom AFB	AFGSC
J4AMP2M0XX A88A PDS Code: 1X7 Special Purpose Vehicle Operators Military Diving Familiarization	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX B88A PDS Code: 1X8 Special Purpose Vehicle Operators Fork Lift	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC

J4AMP2M0XX C88A PDS Code: 1X9 Special Purpose Vehicle Operators CVOT	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX D88A PDS Code: 1XA Special Purpose Vehicle Operators Payload Transporter	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX E88A PDS Code: 1XB Special Purpose Vehicle Operators Crane Manual Trans	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX F88A PDS Code: 1XC Special Purpose Vehicle Operators Crane Automatic Trans	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX G88A PDS Code: 1Z6 Special Purpose Vehicle Operators Skid and Gravel Refresher	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX I88A PDS Code: 1Z8 Special Purpose Vehicle Operators Crane Refresher	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
J4AMP2M0XX J88A PDS Code: 1Z9 Special Purpose Vehicle Operators Bobcat Skid Steer Loader	ICBM	FE Warren AFB, Minot AFB, Malmstrom AFB	AFGSC
V3AZR2M071 088B WS-133A/M Technical Engineering	ICBM	Vandenberg	AFGSC AFMC
ICBM-IC ICBM Maintenance Instructional Techniques Course	ICBM	FE Warren	AFGSC
ICBM-MEC ICBM Maintenance Evaluator Course	ICBM	FE Warren	AFGSC
MNUC200, MILPDS: 2X1 AF Nuclear Fundamentals Course (Nuclear 200)	ICBM	Kirtland AFB	AFGSC AFMC
MNUC300, MILPDS: 0I5 Advanced Nuclear Concepts Course (Nuclear 300)	ICBM	Kirtland AFB	AFGSC AFMC
CKVNUC0000600SU, MILPDS: 0G5 AF Nuclear Certified Equipment (NCE) Users Course	ICBM	Kirtland AFB	AFGSC AFMC

3. Air Force Institute for Advanced Distributed Learning (AFIADL) Courses

<i>CRS NO.</i>	<i>COURSE TITLE</i>
CDC 2M053	Missile and Space Facilities Journeyman
CDC 2M073	Missile and Space Facilities Craftsman

PART II
Section E - MAJCOM UNIQUE PROCEDURES

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

1. Task	2. Knowledge	3. REFERENCE	CORE TASK	4. Certification For OJT				5. Proficiency Codes Used To Indicate Training/Information				
				A	B	C	D	A 3 Skill Level	B 5 Skill Level		C 7 Skill Level	
				Trng Start	Trng Complete	Trainee Initials	Trainer Initials	Course	Course	CDC	Course	CDC
001	CAREER LADDER PROGRESSION	TR: AFI 36-2101, 2M0X3 Career Field Education and Training Plan (CFETP), Enlisted Classification Guide										
001.001	Organizational structure	AFPD 38-1, AFI 38-101						A	-	B	-	-
001.002	2M0 AFSC description							A	-	A	-	-
001.003	Progression in career ladder 2M0X3							A	-	A	-	-
001.004	Duties of AFSC 2M0X3	AFI 21-202V1						A	-	A	-	-
002	SUPERVISION AND TRAINING	TR: AFI 36-2201, AFI 21-202v1/V2										
002.001	Supervision											
002.001.001	Orient new personnel		7					-	-	-	-	-
002.001.002	Conduct pre-dispatch/pre-task maintenance briefings		7					-	-	-	-	-
002.001.003	Plan work assignments		7					-	-	-	-	-
002.001.004	Schedule work assignments		7					-	-	-	-	-
002.001.005	Evaluate technical school graduates							-	-	-	-	-
002.001.006	Team chief duties							-	-	-	-	-
002.001.007	Bay chief/Task supervisor duties							-	-	-	-	-
002.001.008	Instructor duties							-	-	-	-	-
002.001.009	Technician duties		5					-	-	-	-	-
002.001.010	Perform production inspector duties							-	-	-	-	-
002.002	Training	TR: Air Force Training Course										
002.002.001	Plan and supervise training programs							-	-	-	-	-
002.002.002	Conduct qualification training							-	-	-	-	-
002.002.003	Prepare lesson plans							-	-	-	-	-
002.002.004	Maintain training records		7					-	-	-	-	-
003	PUBLICATIONS	TR: AFI 33-360V1, AFPD 21-3, TOs 0-1-01, 0-1-02, 00-5-1, 00-5-18, AFI 21-101, AFI 21-202 V1/2										
003.001	Standard publications											
003.001.001	Description							A	-	A	-	-
003.001.002	Use standard publications	TR: AFMAN 23-110, AFGSCI 21-202, AFI 21-101, TR: AFI 21-202 V1/2						2b	-	-	-	-
003.002	Technical Orders (TO)	TR: AFPD 21-3, TO 00-5-1										
003.002.001	Description							A	-	A	-	-
003.002.002	Use technical orders	TR: TOs ALMM 21M-AGM86-2-1/ ICBM 21M-LGM30G-2-10						3c	-	-	-	-
003.002.003	Initiate TO improvement report							a	-	-	-	-
003.003	Civil Engineering Manuals (CEMs)											
003.003.001	Description							A	-	B	-	-
003.003.002	Use CEMs	TR: AFGSCIs 32-1005, 32-1009						3c	-	-	-	-
003.003.003	Initiate CEM improvement report	TR: AFGSCIs 32-1005, 32-1009						a	-	b	-	-
004	SAFETY	TR: AFI 91-X, 91-104, 91-105, 91-107, 91-114, 91-201, 91-202, 91-301, TOs 00-25-245, 31-1-141, 21M-LGM30G-2-10, AFI 21-101										
004.001	Common Safety Programs											
004.001.001	Hazards of AFSC							B	-	-	-	-
004.001.002	Personal safety equipment serviceability inspection							B	-	-	-	-
004.001.003	USAF Mishap Prevention Program	AFI 91-202/ ALMM: TO 31-1-141-0										
004.001.003.001	Program description							A	-	-	-	-
004.001.003.002	Hazard identification and reporting							A	-	-	-	-
004.001.003.003	Report hazards (AF Form 457)	TR: ALMM (CM)						-	-	-	-	-

004.001.004	Missile safety	TR: ALMM TO 21M-AGM86-2-1						A	-	-	-	-
004.001.005	Explosives safety standards	TR: AFMAN 91-201, ALMM: TO 11N-W80.83-2						A	-	-	-	-
005	ENVIRONMENTAL COMPLIANCE											
005.001	Hazardous Waste Management	TR: AFIs 32-7041, 32-7042, 40CFR Part 261, 262, 29 CFR Part 1910						A	-	-	-	-
005.002	Hazardous Material Management	TR: AFI 32-7086, 49 CFR Part 107, 120, 172, AFPAM 32-7043										
005.002.001	Hazardous Material Management							A	-	-	-	-
005.002.002	HAZMART							A	-	-	-	-
005.003	Handler responsibilities							-	-	-	-	-
005.004	Transportation requirements							-	-	-	-	-
005.005	Hazardous Communication (HAZCOM)	TR: 29 CFR Part 1910, AFOSH 161-21, AFOSHTD 161-21.1W DoD Federal Hazard Communication Training Program, TR: AFI 90-821						A	-	-	-	-
005.006	Comply with hazardous material safety requirements	TR: AFI 90-821						-	-	-	-	-
005.007	Federal Facilities Compliance Act (FFCA)	TR: FFCA; Federal Facilities Compliance Strategy EPA/130/4-89-003						A	-	-	-	-
005.008	Environmental Compliance Assessment and Management Program (ECAMP)	TR: AFI 32-7001						A	-	-	-	-
005.009	Pollution Prevention Integration (P2)	TR: AFI 32-7001						A	-	-	-	-
006	NUCLEAR WEAPONS SURETY	TR: DoDD 3150.02, DoDD 5210.41, DoD S-5210-42-R, AFI 91-101, 91-102, 91-103, 91-104, 91-105, 91-107, 91-111, 91-112, 91-114, 91-115, 91-116, 91-118, AFMAN 10-3902, AFMAN 91-201										
006.001	Nuclear Surety											
006.001.001	Nuclear Surety Program							A	-	-	-	-
006.001.002	Two Person Concept							A	-	-	-	-
006.001.003	Weapon System Safety Rules	NWRM Ref AFI 20-110						A	-	A	-	B
006.001.004	Nuclear deficiency reports	NWRM Ref AFI 20-110; AFMAN 91-221						A	-	-	-	-
006.002	Nuclear Certified Equipment (NCE)	TR: AFI 21-200, 63-125 and MNCL										
006.002.001	Description/Positive Identification/Restrictions							A	-	A	-	B
006.002.002	Perform nuclear certification verification using MNCL							b	-	-	-	-
007	MAINTENANCE MANAGEMENT	TR: AFDP 21-1, AFIs 21-202, 21-108, 38-101, 21-101										
007.001	Maintenance management overview											
007.001.001	Functions and responsibilities of missile organizations							-	-	A	-	-
007.001.002	Reliability and maintainability							-	-	-	-	B
007.001.003	Force status reporting	TR: AFI 21-103						-	-	-	-	B
007.002	Maintenance data collection (MDC) forms	TR: TO 00-20-2										
007.002.001	Description							A	-	A	-	-
007.002.002	Use MDC forms	TR: TOs 00-20-2, 21M-AGM86-06, 21-AG129-06, 21M-LGM30F-06-X, CEM 21-SM80-06						-	-	-	-	-
007.003	Use Forms											
007.003.001	AFTO 350 Tags (CM)	TR: TO 00-20-2						-	-	-	-	-
007.003.002	DD Form 1500-Series Tags (CM)	TR: TO 00-20-3						-	-	-	-	-
007.003.003	AFTO Form 95, Significant Historical Data	TR: TO 00-20-1						-	-	-	-	-

007.003.004	AFTO Form 244/245, Industrial Support Equipment Record (CM)	TR: TO 00-20-1						-	-	-	-	-
007.003.005	AF Form 504, Weapons Custody Transfer Document	TR: AFI 21-203						-	-	-	-	-
007.004	Reports											
007.004.001	Deficiency report (DR) (CM)	TR: TO 00-35D-54						-	-	B	-	-
007.004.002	Maintenance/Engineering Technical Assistance Request (CM)	TR: 00-25-107						-	-	-	-	A
007.005	Integrated Maintenance Data System (IMDS)/CDB											
007.005.001	IMDS description							A	-	A	-	B
007.005.002	Use IMDS/CDB		5					2b/b	-	-	-	-
008	TOOLS AND EQUIPMENT	TR: TOs 00-25-234, 32-1-2, 32-2-101, 32-1-151, 32B14-3-1-101, 1-1-2, 1-1A-8, 1-1A-14, 1-1A-15, 21M-LGM30G-2-10, 21M-LGM30F-112, 21M-AGM86-23, 31-1-141 series, 33A1 series										
008.001	Tools											
008.001.001	Use tools	TR: TO 32-1-101						3c	-	-	-	-
008.001.002	Use torque wrenches	TR 32B14-3-1-101						3c	-	-	-	-
008.002	Test Equipment	TR: TO 33-1-21; Applicable Manufacturers Operation and Service Instructions										
008.002.001	Use analog multimeters	TR: TOs 33A1-12-2-1, 33A1-12-216-1, 33A1-12-687-1, 33A1-12-773-1, 33A1-12-933-1						-	-	-	-	-
008.002.002	Use bridge meters	TR: TOs 33A1-6-63-1, 33A1-16-91-1						-	-	-	-	-
008.002.003	Use counters							-	-	-	-	-
008.002.004	Use digital multimeters	TR: TOs 33A1-12-1059-1, 33A1-12-1092-1, 33A1-12-1176-1, 33A1-12-1177-1, 33A1-12-1198-1, 33A1-12-1199-1						3c	-	b	-	-
008.002.005	Use gas monitor							1a	-	-	-	-
008.002.006	Use oscilloscopes							-	-	-	-	-
008.002.007	Use power meters							-	-	-	-	-
008.002.008	Use power supplies	TR: TO 33AA17-176-1						-	-	-	-	-
008.002.009	Use signal generators							-	-	-	-	-
008.002.010	Use megohmmeters	TR: TOs 33A1-4-29-1, 33A1-4-35-1, 33A1-12-1212-1C, Applicable Manufacturers Operation and Service Instructions						-	-	-	-	-
008.002.011	Use bonding meters	TR: TO 33A1-12-1124-1, Applicable Manufacturers Operation and Service Instructions						-	-	-	-	-
008.002.012	Use ammeters/current probes	TR: TOs 33A1-12-145-21, 33A1-12-871-1, 33DA98-15-1, Applicable Manufacturers Operation and Service Instructions						3c	-	b	-	-
008.002.013	Use ohmmeters	TR: TOs 33A1-12-185-11, 33A1-12-1006-1						-	-	-	-	-
008.002.014	Use milliohm meter	TR: TO 33A1-12-924-1						-	-	-	-	-
008.002.015	Use Test Set Semiconductor Device	TR: Applicable Manufacturers Operation and Service Instructions						3c	-	-	-	-
008.002.016	Use electronic Freon leak detector							-	-	-	-	-
008.002.017	Use ECS test equipment	TR: TOs 33-1-19, 33D9-17-82-1, 33D9-54-102-1, and Applicable Manufacturers Operation and Service Instructions						3c	-	b	-	-
008.002.018	Use fiber optic power meters/light sources	TR: 21M-LGM30G-2-7-(X), Applicable Manufacturer's Operation and Service Instructions						1a	-	b	-	-
008.002.019	Perform operator maintenance on weapon system test equipment	TR: TOs 00-25-234, 1-1A-1, 1-1A-8, 1-1A-14, 1-1A-15, 33D9-61-58-2, 33-1-27, 21M-LGM30G-2-10(x), 21-LG118A-2-10, applicable owners manual, 33-1-27						-	-	-	-	-

008.003	Operate Portable Equipment											
008.003.001	Portable heaters	TR: TO 35E7-2-11-21, Applicable Manufacturers Operation and Service Instructions						-	-	-	-	-
008.003.002	Portable pumps	TR: TOs 21M-LGM30G-2-10; Applicable Manufacturers Operation and Service Instructions						-	-	-	-	-
009	GENERAL MAINTENANCE	TR: TOs 00-25-234, 1-1A-1, 1-1A-8, 1-1A-14, 1-1A-15, 33D9-61-58-2, applicable owners manual										
009.001	Common Practices											
009.001.001	Common troubleshooting theory/techniques							-	-	B	-	-
009.001.002	Isolate faults	TR: 21M-LGM30G-2-1-X, 21M-AGM86-8-1						b	-	-	-	-
009.001.003	Perform systematic troubleshooting (CM)							-	-	-	-	-
009.001.004	Corrosion identification							A	-	-	-	-
009.001.005	Hardness assurance	TR: TOs 21M-LGM30G-2-31, 21M-LGM30G-2-10						A	-	A	-	-
009.001.006	Perform safety wiring							-	-	-	-	-
009.002	Aerospace Hardware (AN/MS)											
009.002.001	Description							A	-	A	-	-
009.002.002	Use aerospace hardware							3c	-	-	-	-
009.003	RFI/EMI Gaskets	TR: TO 21M-LGM30F-112, 21M-AGM86-2-1, 21M-AGM86-8-1, 33D9-19-55-1										
009.003.001	Inspect							-	-	B	-	-
009.003.002	Repair							-	-	-	-	-
009.004	Electrostatic Discharge (ESD) Control Procedures	TR: TO 00-25-234										
009.004.001	Description							A	-	B	-	-
009.004.002	Perform printed circuit board handling and storage procedures							2b	-	-	-	-
009.004.003	Perform ESD procedures							3c	-	-	-	-
009.005	Tubing maintenance	TR: TOs 00-25-223, 1-1A-8										
009.005.001	Flare tubing							-	-	-	-	-
009.005.002	Swage tubing							-	-	-	-	-
009.006	Solder connectors	TR: TOs 00-25-234, 00-25-259, 1-1A-14, 1-1A-15, 21M-LGM30G-12, 31-1-141-15, 31-10-7, 34W4-1-5, 34W4-1-7, 34W4-1-8										
009.006.001	Soft soldering							-	-	-	-	-
009.006.002	Silver soldering							-	-	-	-	-
009.006.003	Electrical soldering							-	-	-	-	-
009.006.004	Perform basic soldering/desoldering procedures							-	-	-	-	-
009.006.005	Perform soldering/desoldering on printed circuit boards							-	-	-	-	-
009.007	Solderless connectors											
009.007.001	Assemble solderless crimp connectors							-	-	-	-	-
009.007.002	Assemble solderless multipin connectors							-	-	-	-	-
009.008	Common electrical practices											
009.008.001	Repair equipment panels and cases							-	-	-	-	-
009.008.002	Repair wiring							-	-	-	-	-
009.008.003	Repair general connectors							-	-	-	-	-
009.008.004	Repair shielded and coaxial connectors							-	-	-	-	-
009.008.005	Perform cable binding and lacing							-	-	-	-	-
009.008.006	Repair crimped electrical connections							-	-	-	-	-
009.008.007	Qualify solderless wire wrapping tool kit (TK-148/g)							-	-	-	-	-
009.008.008	Perform wire wrapping							-	-	-	-	-
009.008.009	Perform electronic part replacement and repair							-	-	-	-	-
009.008.010	Perform visual inspections							-	-	-	-	-
009.008.011	Clean electronic equipment							-	-	-	-	-

009.008.012	Wire conductor identification											
009.008.012.001	Wire color coding standards							-	-	B	-	-
009.008.012.002	Cable/conductor classifications							-	-	B	-	-
010	PRESSURE SYSTEMS											
010.001	Pneumatics	TR: TOs 00-25-223, 00-25-229, 1-1A-8, 33-1-19, 42B5-1-2, 42E1-1-1, 42E2-1-2, 44H3-1-3										
010.001.001	Theory							-	-	B	-	B
010.001.002	Operation							-	-	B	-	B
010.001.003	Remove components							-	-	-	-	-
010.001.004	Install components							-	-	-	-	-
010.001.005	Read pneumatic flow diagrams							-	-	-	-	-
010.001.006	Replace hoses							-	-	-	-	-
010.001.007	Replace tubing							-	-	-	-	-
010.001.008	Replace seals							-	-	-	-	-
010.001.009	Fabricate tubing							-	-	-	-	-
010.001.010	Fabricate hoses							-	-	-	-	-
010.002	Hydraulics	TR: TOs 00-25-223, 00-25-229, 1-1A-8, 33-1-19, 42B2-1-3, 42E1-1-1, 42E2-1-2, 44H3-1-3										
010.002.001	Theory							-	-	B	-	B
010.002.002	Operation							-	-	B	-	B
010.002.003	Remove components							-	-	-	-	-
010.002.004	Install components							-	-	-	-	-
010.002.005	Read hydraulic flow diagrams							-	-	-	-	-
010.002.006	Replace hoses							-	-	-	-	-
010.002.007	Replace tubing							-	-	-	-	-
010.002.008	Replace seals							-	-	-	-	-
010.002.009	Fabricate tubing							-	-	-	-	-
010.002.010	Fabricate hoses							-	-	-	-	-
011	MATERIEL MANAGEMENT AND SUPPLY DISCIPLINE	TR: AFMAN 23-110										
011.001	Supply System											
011.001.001	Description	AFI 23-101, 23-111, 23-122, 23-123, 21-202v1						A	-	B	-	-
011.001.002	Use illustrated parts breakdown (IPB)	AFI 23-101, 23-111, 23-122, 23-123, 21-202v1						a	-	b	-	c
011.001.003	Determine priorities	AFI 23-101, 23-111, 23-122, 23-123, 21-202v2						a	-	b	-	c
011.001.004	Determine standard reporting designator (SRD)	AFI 23-101, 23-111, 23-122, 23-123, 21-202v1, 23-106 T.O. 00-20-2						a	-	b	-	c
011.002	Materiel management/stock	TR: AFMAN 23-110, AFI 21-202v1, ACCI 21-101										
011.002.001	Description							A	-	B	-	B
011.002.002	Issue							-	-	-	-	-
011.002.003	Inventory							-	-	-	-	-
011.002.004	Maintain							-	-	-	-	-
011.002.005	Manage		7					-	-	-	-	b
011.003	Complete Forms	TR: AFI 20-110, AFMAN 23-110										
011.003.001	AF Form 2005		5					a	-	b	-	c
011.003.002	DD Form 1348-1A		5					a	-	b	-	c
011.003.003	DD Form 1348-6		5					a	-	b	-	c
012	WEAPON SYSTEMS DESCRIPTION											
012.001	ICBM (WS 133AM)	TR: TOs 21M-LGM30G-1-1, 21M-LGM30G-2-1-X, 21M-LGM30G-2-10-(x)										
012.001.001	Missile							A	-	B	-	-
012.001.002	Launch facility							A	-	B	-	-
012.001.003	Missile alert facility							A	-	B	-	-
012.001.004	Missile support base							A	-	B	-	-
012.002	Cruise Missile											
012.002.001	ALCM (AGM-86B) description							-	-	-	-	-
012.002.002	CALCM (AGM-86C) description							-	-	-	-	-
012.003	Nuclear weapons familiarization											
012.003.001	Nuclear theory and effects							A	-	-	-	-
012.003.002	Components							A	-	-	-	-
013	WEAPON SYSTEMS STORAGE AND MAINTENANCE AREAS	TR: AFMAN 91-201, AFI 32-1065, AFI 23-201, AFI 31-101, AFI 31-207 AFOSH STAND 91-46, DoD 5210.41-M										
013.001	WSA Facilities Description											

013.001.001	Weapons storage structures (igloos)							-	-	-	-	-
013.001.002	Un-armed missile storage facility							-	-	-	-	-
013.002	Integrated Maintenance Facility (IMF)											
013.002.001	Facility layout/functions							-	-	-	-	-
014	RESEARCH, DEVELOPMENT, TEST AND EVALUATION (RDT&E)	TR: AFI 99-103										
014.001	Mission											
014.001.001	Mission of Air Force Research Laboratory							-	-	A	-	-
014.001.002	Mission of Air Force Operational Test and Evaluation Centers							-	-	A	-	-
015	SPACELIFT MISSION											
015.001	Space domain overview							A	-	A	-	B
015.002	Roles and responsibilities							A	-	A	-	B
015.003	Launch vehicle characteristics							-	-	A	-	B
015.004	Spacecraft characteristics							-	-	A	-	B
015.005	Processing and infrastructure overview							-	-	A	-	B
015.006	Launch Enterprise overview							-	-	-	-	A
016	MISSILE ELECTRONIC FUNDAMENTALS											
016.001	Electronics Support Subjects											
016.001.001	Electromagnetic effects							B	-	-	-	-
016.001.002	Metric Notation											
016.001.002.001	Calculate powers of ten							-	-	-	-	-
016.001.002.002	Electrical prefixes							B	-	-	-	-
016.002	Basic Circuits											
016.002.001	Direct current theory							B	-	-	-	-
016.002.002	Direct current calculations							-	-	-	-	-
016.002.003	Alternating current theory							B	-	-	-	-
016.003	Basic Circuit Components											
016.003.001	Fuses											
016.003.001.001	Theory							B	-	-	-	-
016.003.001.002	Troubleshoot							2b	-	-	-	-
016.003.002	Resistors											
016.003.002.001	Theory							B	-	-	-	-
016.003.002.002	Color code							B	-	-	-	-
016.003.002.003	Troubleshoot (Calculate and measure)							2b	-	-	-	-
016.003.003	Inductors											
016.003.003.001	Theory							B	-	-	-	-
016.003.003.002	Troubleshoot							-	-	-	-	-
016.003.004	Capacitors											
016.003.004.001	Theory							B	-	-	-	-
016.003.004.002	Troubleshoot							2b	-	-	-	-
016.004	Electromagnetic Devices											
016.004.001	Transformers											
016.004.001.001	Theory							B	-	-	-	-
016.004.001.002	Troubleshoot							2b	-	-	-	-
016.004.002	Relays and Solenoids											
016.004.002.001	Theory							B	-	-	-	-
016.004.002.002	Troubleshoot relay							2b	-	-	-	-
016.004.003	Motor Theory											
016.004.003.001	DC							A	-	-	-	-
016.004.003.002	AC							A	-	-	-	-
016.004.004	Generator Theory											
016.004.004.001	DC							A	-	-	-	-
016.004.004.002	AC							A	-	-	-	-
016.004.005	Transducer theory							-	-	-	-	-
016.004.006	Synchro/servo theory							-	-	-	-	-
016.005	Solid State Devices											
016.005.001	Diodes											
016.005.001.001	Theory							B	-	-	-	-
016.005.001.002	Zener diode							B	-	-	-	-
016.005.001.003	Troubleshoot							2b	-	-	-	-
016.005.002	Bipolar Junction Transistors											
016.005.002.001	Theory							B	-	-	-	-
016.005.002.002	Troubleshoot							2b	-	-	-	-
016.005.003	Special Purpose Device Theory											
016.005.003.001	Light Emitting Diode (LED)							A	-	-	-	-
016.005.003.002	Liquid Crystal Display (LCD)							A	-	-	-	-
016.005.003.003	Integrated Circuit (IC)							A	-	-	-	-
016.006	Power Supply Circuits											
016.006.001	Rectifiers							B	-	-	-	-

016.006.002	Filters							B	-	-	-	-
016.006.003	Voltage regulators							B	-	-	-	-
016.006.004	Troubleshoot power supply							2b	-	-	-	-
016.007	Basic Communications Theory											
016.007.001	Data bus							B	-	-	-	-
017	REFRIGERATION	TR: TOs , 21M-LGM30X-2-7-X; CEMs 21-SM80X-2-20-X, 35R-1-X41-X; Althouse, Turnquist and Bracciano, Modern Refrigeration and Air Conditioning, Goodheart - Willcox Company										
017.001	Refrigeration principles							B	-	B	-	-
017.002	Refrigeration systems components and control/monitoring devices							B	-	B	-	-
017.003	Heat transfer process in environmental control systems							B	-	B	-	-
017.004	ECS communication systems							A	-	B	-	-
017.005	Refrigerant certification (Note: Type I and Type II certification required)	TR: TR: 1990 CAA Amendments, Section 608 (40 CFR Part 82)						C	-	-	-	-
018	POWER GENERATION AND DISTRIBUTION/ INTERNAL COMBUSTION ENGINE	TR: AFIs 32-1062, 32-1063; TO 21M-LGM30X-2-11; CEMs 21-SM80X-2-21-X, 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X51-X, 35R-1-X81-X; National Electric Code; Andrew Norman, John Corinchock, Robert Scharff, Diesel Technology: Fundamentals, Service, and Repair, Goodheart-Willcox Company, Inc.										
018.001	Principles							B	-	B	-	B
018.002	Components and control/monitoring devices							B	-	B	-	B
019	LAUNCH FACILITY PROCEDURES	TR: TOs 21M-LGM30F-2-17-9, 21M-LGM30X-2-10 (-1), 21M-LGM30X-2-19										
019.001	Enter (FMS, HICS Core)		5					1a				
019.002	Exit (FMS, HICS Core)		5					1a				
019.003	Perform partial LF power removal/shutdown	TR: 21M-LGM30X-2-11; 21M-LGM30G-2-10, 21M-LGM30F-2-17-9						-	-	-	-	-
019.004	Lower/raise equipment							1a	-	-	-	-
019.005	LSB											
019.005.001	Enter (FMS,HICS Core)		5					1a	-	-	-	-
019.005.002	Exit (FMS,HICS Core)		5					1a	-	-	-	-
019.006	LER											
019.006.001	Enter (FMS Core)		5					1a	-	-	-	-
019.006.002	Exit (FMS Core)		5					1a	-	-	-	-
019.006.003	Enter SELM configured LER	TR: TO 21M-LGM30G-1-X						-	-	-	-	-
019.006.004	Exit SELM configured LER	TR: TO 21M-LGM30G-1-X						-	-	-	-	-
019.006.005	Install/remove LER platform set							-	-	-	-	-
019.007	Emergency Procedures											
019.007.001	Perform LER emergency shutdown (FMS Core)		5					-	-	-	-	-
019.007.002	Perform LSB emergency electrical isolation (FMS,HICS Core)		5					-	-	-	-	-
019.007.003	Evacuate launch facility for EWO launch conditions (FMS Core)		5					-	-	-	-	-
019.007.004	Respond to loss of ESS power (FMS Core)		5					-	-	-	-	-
019.007.005	Perform hostile LF securing (FMS Core)		5					-	-	-	-	-
019.007.006	Recovery from hostile LF securing (FMS Core)		5					-	-	-	-	-
019.007.007	Power ESS with portable generator							-	-	-	-	-
019.008	Launch Tube											
019.008.001	Enter							-	-	-	-	-
019.008.002	Exit							-	-	-	-	-
019.009	Maintenance Platform, Guided Missile (GMMP)	TR: 21M-LGM30G-2-10, 35A4-4-9-1										
019.009.001	Operate							-	-	-	-	-

019.009.002	Install/remove							-	-	-	-	-
019.010	SPACE AND MISSILE SYSTEMS TEST/INSPECTION PROCESSES	TR: 21M-LGM30G-1-17, 21M-LGM30G-1-18										
019.010.001	Test and evaluation	TR: AFIs 99-101, 99-102						-	-	-	-	B
019.010.002	Simulated Electronic Launch (SEL)							-	-	-	-	B
020	LAUNCH FACILITY MAINTENANCE (AWS 123AM)	TR: TOs 21M-LGM30F-6, 21M-LGM30X-2-7-X, 21M-LGM30X-2-11, 21M-LGM30X-2-11-X; CEMs 21-SM80X-2-20-X, 21-SM80X-2-21-X, 21-SM80X-2-24-X, 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X41-X, 35R-1-X51-X, 35R-1-X61-X, 35R-1-X81-X										
020.001	Power Generation System	TR: AFI 32-1062; AFGSCI 32-1005; CEMs 21-SM80X-2-21-X, 21-SM80X-2-21-X-1, 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X51-X, 35R-1-X81-X										
020.001.001	Replace DEU							-	-	-	-	-
020.001.002	LF power distribution system							B	-	B	-	-
020.001.003	Engine fuel oil system											
020.001.003.001	Function and operation							B	-	B	-	-
020.001.003.002	Perform periodic inspection (FMS Core)	5						1a	-	-	-	-
020.001.003.003	Service							-	-	-	-	-
020.001.003.004	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.003.005	Repair (FMS Core)	5						-	-	-	-	-
020.001.004	Engine governor/injection pump/injectors											
020.001.004.001	Function and operation							B	-	B	-	-
020.001.004.002	Perform periodic inspection							-	-	-	-	-
020.001.004.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.004.004	Replace (FMS Core)	5						-	-	-	-	-
020.001.005	Engine lube oil system											
020.001.005.001	Function and operation							B	-	B	-	-
020.001.005.002	Perform periodic inspection (FMS Core)	5						2b	-	-	-	-
020.001.005.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.005.004	Repair (FMS Core)	5						-	-	-	-	-
020.001.006	Engine cooling system											
020.001.006.001	Function and operation							B	-	B	-	-
020.001.006.002	Perform periodic inspection (FMS Core)	5						2b	-	-	-	-
020.001.006.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.006.004	Repair (FMS Core)	5						-	-	-	-	-
020.001.007	Engine safety/alarm devices											
020.001.007.001	Function and operation							B	-	B	-	-
020.001.007.002	Perform periodic inspection							2b	-	-	-	-
020.001.007.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.007.004	Repair (FMS Core)	5						-	-	-	-	-
020.001.008	Engine intake/exhaust system											
020.001.008.001	Function and operation							B	-	B	-	-
020.001.008.002	Perform periodic inspection (FMS Core)	5						2b	-	-	-	-
020.001.008.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.008.004	Repair (FMS Core)	5						-	-	-	-	-
020.001.009	DEU battery charging system											
020.001.009.001	Function and operation							B	-	B	-	-
020.001.009.002	Perform periodic inspection (FMS Core)	5						2b	-	-	-	-
020.001.009.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.009.004	Repair (FMS Core)	5						-	-	-	-	-
020.001.010	DEU start batteries											
020.001.010.001	Function and operation							B	-	B	-	-
020.001.010.002	Perform periodic inspection (FMS Core)	5						2b	-	-	-	-
020.001.010.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.010.004	Replace (FMS Core)	5						-	-	-	-	-
020.001.011	Engine starting/stopping devices											
020.001.011.001	Function and operation							B	-	B	-	-
020.001.011.002	RSU checkout							-	-	-	-	-
020.001.011.003	Troubleshoot (FMS Core)	5						-	-	-	-	-
020.001.011.004	Repair (FMS Core)	5						-	-	-	-	-

020.001.012	Engine cranking/alarm panel											
020.001.012.001	Perform periodic inspection							-	-	-	-	-
020.001.012.002	Troubleshoot							-	-	-	-	-
020.001.012.003	Repair							-	-	-	-	-
020.001.013	Engine/generator control panel											
020.001.013.001	Function and operation							B	-	B	-	-
020.001.013.002	Perform periodic inspection (FMS Core)		5					-	-	-	-	-
020.001.013.003	Troubleshoot (FMS Core)		5					-	-	-	-	-
020.001.013.004	Repair (FMS Core)		5					-	-	-	-	-
020.001.014	Immersion heater											
020.001.014.001	Troubleshoot (FMS Core)		5					-	-	-	-	-
020.001.014.002	Repair (FMS Core)		5					-	-	-	-	-
020.001.015	Diesel vibration dampers/snubbers											
020.001.015.001	Perform periodic inspection							-	-	-	-	-
020.001.015.002	Replace							-	-	-	-	-
020.001.015.003	Perform periodic inspection of DEU load bank test							-	-	-	-	-
020.001.016	Generator/exciter/voltage regulator											
020.001.016.001	Function and operation							B	-	B	-	-
020.001.016.002	Perform periodic inspection							-	-	-	-	-
020.001.016.003	Troubleshoot (FMS Core)		5					-	-	-	-	-
020.001.016.004	Repair (FMS Core)		5					-	-	-	-	-
020.001.017	Automatic switching unit											
020.001.017.001	Function and operation							B	-	B	-	-
020.001.017.002	Perform periodic inspection (FMS Core)		5					-	-	-	-	-
020.001.017.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-
020.001.017.004	Repair (FMS Core)		5					-	-	-	-	-
020.001.017.005	Automatic transfer switches/switch gear							-	-	-	-	-
020.001.017.005.001	Function and operation							B	-	B	-	-
020.001.017.005.002	Perform periodic inspection							-	-	-	-	-
020.001.017.005.003	Troubleshoot							2b	-	-	-	-
020.001.017.005.004	Repair							-	-	-	-	-
020.001.018	Minuteman Power Processor											
020.001.018.001	Function and operation							B	-	B	-	-
020.001.018.002	Replace (FMS Core)		5					2b	-	-	-	-
020.001.019	Minuteman Power Processor battery/charger											
020.001.019.001	Function and operation							B	-	-	-	-
020.001.019.002	Perform periodic inspection (FMS Core)		5					2b	-	-	-	-
020.001.019.003	Troubleshoot (FMS Core)		5					-	-	-	-	-
020.001.019.004	Repair (FMS Core)		5					-	-	-	-	-
020.002	LF Environmental Control System	TR: T0s 21M-LGM30F-6WC-1, 21M-LGM30X-2-7-4, 21M-LGM30G-2-7-8										
020.002.001	Familiarization							B	-	B	-	-
020.002.002	Interpret schematics/wiring diagrams							2b	-	b	-	-
020.002.003	LSB heating subsystem							B	-	B	-	-
020.002.004	Heating and ventilation/circulating air subsystem/controls/alarms											
020.002.004.001	Familiarization							B	-	B	-	-
020.002.004.002	Perform periodic inspection (FMS Core)		5					2b	-	-	-	-
020.002.004.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-
020.002.004.004	Repair (FMS Core)		5					-	-	-	-	-
020.002.005	Refrigerant subsystem											
020.002.005.001	Function and operation							B	-	B	-	-
020.002.005.002	Perform periodic inspection							2b	-	-	-	-
020.002.005.003	Troubleshoot (FMS Core)		5					-	-	-	-	-
020.002.005.004	Repair (FMS Core)		5					-	-	-	-	-
020.002.006	Brine subsystem											
020.002.006.001	Function and operation							B	-	B	-	-
020.002.006.002	Perform periodic inspection							2b	-	-	-	-
020.002.006.003	Troubleshoot							-	-	-	-	-
020.002.006.004	Repair							-	-	-	-	-
020.002.006.005	Replace brine chiller unit							-	-	-	-	-
020.002.007	Brine chiller control panel											
020.002.007.001	Function and operation							B	-	B	-	-
020.002.007.002	Perform periodic inspection (FMS Core)		5					2b	-	-	-	-
020.002.007.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-

020.002.007.004	Repair (FMS Core)		5					-	-	-	-	-
020.002.008	Air Handler subsystem/controls/alarms											
020.002.008.001	Function and operation							B	-	B	-	-
020.002.008.002	Perform periodic inspection (FMS Core)		5					2b	-	-	-	-
020.002.008.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-
020.002.008.004	Repair (FMS Core)		5					-	-	-	-	-
020.002.008.005	Balance air flow							-	-	-	-	-
020.002.009	Emergency air handler subsystem/controls/alarms											
020.002.009.001	Function and operation							B	-	B	-	-
020.002.009.002	Perform periodic inspection (FMS Core)		5					2b	-	-	-	-
020.002.009.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-
020.002.009.004	Repair (FMS Core)		5					-	-	-	-	-
020.002.010	Launch tube heating subsystem/controls/alarms											
020.002.010.001	Function and operation							B	-	B	-	-
020.002.010.002	Perform periodic inspection (FMS Core)		5					2b	-	-	-	-
020.002.010.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-
020.002.010.004	Repair (FMS Core)		5					-	-	-	-	-
020.002.011	ECS Remote Monitoring System (ERMS)	TR: 21M-LGM30G-2-7-8										
020.002.011.001	Function and operation							A	-	B	-	-
020.002.011.002	Perform periodic inspection							-	-	-	-	-
020.002.011.003	Troubleshoot							-	-	-	-	-
020.002.011.004	Repair							-	-	-	-	-
020.002.012	Make-up Air Subsystem	TR: 21M-LGM30G-2-7-8, 21M-LGM30G-2-7-12, 33D9-61-84-11, 21M-LGM30G-2-10, 21M-LGM30F-6WC-1										
020.002.012.001	Function and operation							B	-	B	-	-
020.002.012.002	Perform periodic inspection							2b	-	-	-	-
020.002.012.003	Troubleshoot							-	-	-	-	-
020.002.012.004	Repair							-	-	-	-	-
020.002.013	Combustible Gas Detector	TR: 21M-LGM30G-2-7-8, 21M-LGM30G-2-7-12, 33D9-61-84-11, 21M-LGM30G-2-10, 21M-LGM30F-6WC-1										
020.002.013.001	Function and operation							B	-	B	-	-
020.002.013.002	Perform periodic inspection							2b	-	-	-	-
020.002.013.003	Troubleshoot (FMS Core)		5					2b	-	-	-	-
020.002.013.004	Repair (FMS Core)		5					-	-	-	-	-
020.003	LF Waste disposal system	TR: CEMs 21SM80X-2-24-X, 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X61-X, 35R-1-X81-X										
020.003.001	Familiarization							A	-	B	-	-
020.003.002	Sump pump 102											
020.003.002.001	Function and operation							A	-	B	-	-
020.003.002.002	Perform periodic inspection (FMS Core)		5					-	-	-	-	-
020.003.002.003	Perform special periodic inspection							-	-	-	-	-
020.003.002.004	Troubleshoot							-	-	B	-	-
020.003.002.005	Repair							-	-	-	-	-
020.003.003	Sump pump 103											
020.003.003.001	Perform periodic inspection (FMS Core)		5					-	-	-	-	-
020.003.003.002	Troubleshoot							-	-	-	-	-
020.003.003.003	Repair							-	-	-	-	-
020.003.004	Sump pump 104 (Wings 1 and 3)											
020.003.004.001	Perform periodic inspection							-	-	-	-	-
020.003.004.002	Troubleshoot							-	-	-	-	-
020.003.004.003	Repair							-	-	-	-	-
020.003.005	Heat cable	TR: 21-SM80X-2-20-X, 35R-1-X41-X										
020.003.005.001	Perform periodic inspection							-	-	-	-	-
020.003.005.002	Troubleshoot							-	-	-	-	-
020.003.005.003	Repair							-	-	-	-	-
020.004	Personnel access/security system	TR: TOs 21M-LGM30F-2-19, 21M-LGM30F-6WC-1, 21M-LGM30G-2-10, 21M-LGM30G-2-28, 35M1-9-2-2										
020.004.001	Perform periodic inspection							-	-	-	-	-
020.004.002	Perform security pit electrical test							-	-	-	-	-

020.004.003	Change secondary door lock combination							-	-	-	-	-
020.004.004	PAH hand driven linear actuator											
020.004.004.001	Perform periodic inspection							-	-	-	-	-
020.004.004.002	Replace							-	-	-	-	-
020.005	Shock attenuation system	TR: TOs 21M-LGM30F-6WC-1, 21M-LGM30X-2-11, 21M-LGM30G-2-28; CEMs 21M-SM80X-2-26-X, 35R-1-X81-X										
020.005.001	Familiarization							A	-	B	-	-
020.005.002	Perform periodic inspection							-	-	-	-	-
020.006	Perform periodic inspection of launch tube access system	TR: CEMs 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X81-X						-	-	-	-	-
020.007	Electronic fuel tank monitor system	TR: CEMs 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X81-X										
020.007.001	Perform periodic inspection							-	-	-	-	-
020.007.002	Troubleshoot							-	-	-	-	-
020.007.003	Repair							-	-	-	-	-
020.008	Electrical power distribution system	TR: TO 21M-LGM30F-6WC-1, CEM 21-SM80-6 (Vol XX)										
020.008.001	LF emergency storage batteries											
020.008.001.001	Function and operation							-	-	B	-	-
020.008.001.002	Perform inspection of emergency storage battery set	TR: TOs 21M-LGM30X-2-11						-	-	-	-	-
020.008.002	Electrical power filters	TR: TOs 21M-LGM30X-2-11, 21M-LGM30X-2-21-X; CEMs 21-SM80X-2-21-X, 35R-1-X51-X; CEMs 21-SM80F-2-20-1, 35R-1-641-1										
020.008.002.001	Perform periodic inspection							-	-	-	-	-
020.008.002.002	Troubleshoot							-	-	-	-	-
020.008.002.003	Repair							-	-	-	-	-
020.008.003	Earth ground and grounding systems	TR: AFI 32-1065; TOs 33A1-12-310-1, 33A1-12-687-1; CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
020.008.003.001	Perform periodic inspection							-	-	-	-	-
020.008.003.002	Repair miscellaneous hardware							-	-	-	-	-
020.008.004	Electrical wiring	TR: CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
020.008.004.001	Troubleshoot							-	-	-	-	-
020.008.004.002	Repair							-	-	-	-	-
020.008.005	Power and communications distribution box (GMMP)	TR: TOs 21M-LGM30X-2-11, 35A4-2-31-1										
020.008.005.001	Troubleshoot							-	-	-	-	-
020.008.005.002	Repair							-	-	-	-	-
020.008.005.003	Replace							-	-	-	-	-
020.008.006	Perform periodic inspection of motor generator set	TR: TOs 21M-LGM30X-2-11						-	-	-	-	-
020.008.007	Buck boost transformer	TR: 21-SM80X-2-21-X, 35R-1-X51-X										
020.008.007.001	Perform periodic inspection							-	-	-	-	-
020.008.007.002	Troubleshoot							-	-	-	-	-
020.008.007.003	Repair							-	-	-	-	-
020.008.008	Site light system	TR: 21-SM80X-2-21-X, 35R-1-X51-X										
020.008.008.001	Troubleshoot							-	-	-	-	-
020.008.008.002	Repair							-	-	-	-	-
020.009	LSB/LER junction boxes/distribution panels	TR: TOs 21M-LGM30X-2-11; CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
020.009.001	Interpret schematics/wiring diagrams							2b	-	b	-	-
020.009.002	Perform periodic inspection							-	-	-	-	-
020.009.003	Troubleshoot							-	-	-	-	-
020.009.004	Repair							-	-	-	-	-
020.010	Source Region Electromagnetic Pulse (SREMP) ESA	TR: CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
020.010.001	Function and operation							-	-	-	-	-
020.010.002	Perform periodic inspection							-	-	-	-	-
020.010.003	Troubleshoot							-	-	-	-	-
020.010.004	Repair							-	-	-	-	-

021	MISSILE ALERT FACILITY MAINTENANCE (WS-133AM)											
		TR: AFMAN 32-1062; AFGSCI 32-1005; CEMs 21-SM80X-2-21-X, 21-SM80X-2-21-X-1, 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X51-X, 35R-1-X81-X, MCL 0555										
021.001	LCEB/MAFSB power generation system											
021.001.001	Replace diesel electric unit							-	-	-	-	-
021.001.002	MAF power distribution system							B	-	B	-	B
021.001.003	Engine fuel oil system											
021.001.003.001	Perform periodic inspection							-	-	-	-	-
021.001.003.002	Troubleshoot							-	-	-	-	-
021.001.003.003	Repair							-	-	-	-	-
021.001.004	Engine lube oil system											
021.001.004.001	Perform periodic inspection							-	-	-	-	-
021.001.004.002	Troubleshoot							-	-	-	-	-
021.001.004.003	Repair							-	-	-	-	-
021.001.005	Engine cooling system											
021.001.005.001	Perform periodic inspection							-	-	-	-	-
021.001.005.002	Troubleshoot							-	-	-	-	-
021.001.005.003	Repair							-	-	-	-	-
021.001.006	Engine governor/injection pump/injectors											
021.001.006.001	Perform periodic inspection							-	-	-	-	-
021.001.006.002	Troubleshoot							-	-	-	-	-
021.001.006.003	Repair							-	-	-	-	-
021.001.007	Generator/exciter/voltage regulator											
021.001.007.001	Perform periodic inspection							-	-	-	-	-
021.001.007.002	Troubleshoot							-	-	-	-	-
021.001.007.003	Repair							-	-	-	-	-
021.001.008	Engine starting/stopping devices											
021.001.008.001	Troubleshoot							-	-	-	-	-
021.001.008.002	Repair							-	-	-	-	-
021.001.009	Diesel battery charger											
021.001.009.001	Perform periodic inspection							-	-	-	-	-
021.001.009.002	Troubleshoot							-	-	-	-	-
021.001.009.003	Repair							-	-	-	-	-
021.001.010	Starting batteries											
021.001.010.001	Perform periodic inspection							-	-	-	-	-
021.001.010.002	Troubleshoot							-	-	-	-	-
021.001.010.003	Replace							-	-	-	-	-
021.001.011	Engine cranking/alarm panel											
021.001.011.001	Perform periodic inspection							-	-	-	-	-
021.001.011.002	Troubleshoot							-	-	-	-	-
021.001.011.003	Repair							-	-	-	-	-
021.001.012	Engine/generator control panel											
021.001.012.001	Perform periodic inspection							-	-	-	-	-
021.001.012.002	Troubleshoot							-	-	-	-	-
021.001.012.003	Repair							-	-	-	-	-
021.001.013	Engine safety/alarm devices											
021.001.013.001	Perform periodic inspection							-	-	-	-	-
021.001.013.002	Troubleshoot							-	-	-	-	-
021.001.013.003	Repair							-	-	-	-	-
021.001.014	Engine intake/exhaust system											
021.001.014.001	Perform periodic inspection							-	-	-	-	-
021.001.014.002	Troubleshoot							-	-	-	-	-
021.001.014.003	Repair							-	-	-	-	-
021.001.015	Immersion heater											
021.001.015.001	Troubleshoot							-	-	-	-	-
021.001.015.002	Repair							-	-	-	-	-
021.001.016	Automatic switching unit											
021.001.016.001	Perform periodic inspection							-	-	-	-	-
021.001.016.002	Troubleshoot							-	-	-	-	-
021.001.016.003	Repair							-	-	-	-	-
021.001.017	Automatic/manual transfer switches/switch gear											
021.001.017.001	Perform periodic inspection							-	-	-	-	-
021.001.017.002	Troubleshoot							-	-	-	-	-
021.001.017.003	Repair							-	-	-	-	-
021.001.018	Minuteman Power Processor											
021.001.018.001	Replace							-	-	-	-	-
021.001.018.002	Battery/charger											

021.001.018.002.001	Perform periodic inspection							-	-	-	-	-
021.001.018.002.002	Troubleshoot							-	-	-	-	-
021.001.018.002.003	Repair							-	-	-	-	-
021.001.019	Diesel vibration dampers/snubbers											
021.001.019.001	Perform periodic inspection							-	-	-	-	-
021.001.019.002	Replace							-	-	-	-	-
021.001.019.003	Perform periodic inspection on DEU load bank test							-	-	-	-	-
021.002	Environmental control system	TR: TOs 21M-LGM30F-6WC-2, 21M-LGM30X-2-7-X										
021.002.001	Familiarization							B	-	B	-	-
021.002.002	Interpret schematics/wiring diagrams							-	-	b	-	-
021.002.003	Brine subsystem											
021.002.003.001	Familiarization							-	-	B	-	-
021.002.003.002	Perform periodic inspection							-	-	-	-	-
021.002.003.003	Troubleshoot							-	-	-	-	-
021.002.003.004	Repair							-	-	-	-	-
021.002.004	Refrigerant subsystem											
021.002.004.001	Familiarization							-	-	B	-	-
021.002.004.002	Perform periodic inspection							-	-	-	-	-
021.002.004.003	Troubleshoot							-	-	-	-	-
021.002.004.004	Repair							-	-	-	-	-
021.002.005	Brine chiller control panel											
021.002.005.001	Familiarization							-	-	B	-	-
021.002.005.002	Perform periodic inspection							-	-	-	-	-
021.002.005.003	Troubleshoot							-	-	-	-	-
021.002.005.004	Repair							-	-	-	-	-
021.002.005.005	Replace brine chiller unit							-	-	-	-	-
021.002.006	Air handler subsystem/controls/alarms											
021.002.006.001	Familiarization							-	-	B	-	-
021.002.006.002	Perform periodic inspection							-	-	-	-	-
021.002.006.003	Troubleshoot							-	-	-	-	-
021.002.006.004	Repair							-	-	-	-	-
021.002.006.005	Balance air flow							-	-	-	-	-
021.002.007	Ventilation air subsystem/controls/alarms	TR: CEMs 21-SM80X-2-20-X, 35R-1-X41-X										
021.002.007.001	Function and operation							-	-	B	-	-
021.002.007.002	Perform periodic inspection							-	-	-	-	-
021.002.007.003	Troubleshoot							-	-	-	-	-
021.002.007.004	Repair							-	-	-	-	-
021.002.007.005	Balance air flow							-	-	-	-	-
021.002.007.006	Ventilation safety system							-	-	-	-	-
021.002.008	Emergency air handler subsystem/controls/alarms											
021.002.008.001	Familiarization							-	-	B	-	-
021.002.008.002	Perform periodic inspection							-	-	-	-	-
021.002.008.003	Troubleshoot							-	-	-	-	-
021.002.008.004	Repair							-	-	-	-	-
021.002.009	Refrigerator	TR: CEMs 21-SM80X-2-26-X, 21-SM80-6 (Vol XX), 35R-1-X81-X										
021.002.009.001	Perform periodic inspection							-	-	-	-	-
021.002.009.002	Remove							-	-	-	-	-
021.002.009.003	Replace							-	-	-	-	-
021.002.010	Oxygen regeneration unit											
021.002.010.001	Familiarization							-	-	B	-	-
021.002.010.002	Perform periodic inspection							-	-	-	-	-
021.002.010.003	Repair							-	-	-	-	-
021.002.011	LCC Humidifier											
021.002.011.001	Perform periodic inspection							-	-	-	-	-
021.002.011.002	Troubleshoot							-	-	-	-	-
021.002.011.003	Repair							-	-	-	-	-
021.003	Electrical power distribution system	TR: TOs 21M-LGM30F-6WC-2; CEM 21-SM80-6 (Vol XX)										
021.003.001	LCC/LCEB/MAFSB junction boxes/distribution panels	TR: TOs 21M-LGM30X-2-11(-1); CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
021.003.001.001	Interpret schematics/wiring diagrams							-	-	b	-	-
021.003.001.002	Perform periodic inspection							-	-	-	-	-
021.003.001.003	Troubleshoot							-	-	-	-	-
021.003.001.004	Repair							-	-	-	-	-
021.003.002	Source Region Electromagnetic Pulse (SREMP) ESA	TR: CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
021.003.002.001	Function and operation							-	-	-	-	-
021.003.002.002	Perform periodic inspection							-	-	-	-	-
021.003.002.003	Troubleshoot							-	-	-	-	-

021.003.002.004	Repair							-	-	-	-	-
021.003.003	Electrical power filters	TR: TOs 21M-LGM30X-2-11, 21M-LGM30X-2-21-X; CEMs 21-SM80X-2-21-X, 35R-1-X51-X, 21-SM80F-2-20-1, 21-SM80-6 (Vol VII), 35R-1-641-1										
021.003.003.001	Perform periodic inspection							-	-	-	-	-
021.003.003.002	Troubleshoot							-	-	-	-	-
021.003.003.003	Repair							-	-	-	-	-
021.003.004	Earth ground and grounding system	TR: AFI 32-1065; TOs 33A1-12-310-1, 33A1-12-687-1; CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
021.003.004.001	Perform periodic inspection							-	-	-	-	-
021.003.004.002	Repair miscellaneous hardware							-	-	-	-	-
021.003.005	Electrical wiring											
021.003.005.001	Troubleshoot							-	-	-	-	-
021.003.005.002	Repair							-	-	-	-	-
021.003.005.003	Perform periodic inspection of motor generator set	TR: 21M-LGM30X-2-11						-	-	-	-	-
021.003.006	Buck boost transformer	TR: CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
021.003.006.001	Troubleshoot							-	-	-	-	-
021.003.006.002	Repair							-	-	-	-	-
021.003.007	LCC lighting, emergency/survival	TR: TO 21M-LGM30F-6WC-2, 21M-LGM30X-2-11										
021.003.007.001	Perform periodic inspection							-	-	-	-	-
021.003.007.002	Troubleshoot							-	-	-	-	-
021.003.007.003	Repair							-	-	-	-	-
022	HARDENED INTERSITE CABLE SYSTEM (HICS)	TR: 21M-LGM30F-2-20-1										
022.001	Function and operation							A	-	B	-	-
022.002	Hardened Intersite Cable System Data Management	TR: 21M-LGM30F-2-20-1, AFI 21-202, AFI 21-404										
022.002.001	Maintain, update, track project files							-	-	-	-	-
022.002.002	Manage surveillance program for HICS Right Of Way (ROW)							-	-	-	-	-
022.002.003	Document inspection results for HICS ROW surveillance program							-	-	-	-	-
022.002.004	Process HICS ROW project/repair funding MAJCOM request							-	-	-	-	-
022.002.005	Maintain land owner/non-USAF agency database/mailling list							-	-	-	-	-
022.002.006	Maintain HICS circuit identification and recording system (CIRS)							-	-	-	-	-
022.002.007	Identify and interpret circuit records							-	-	-	-	-
022.003	HICS test equipment	TR: 33K-1-100, Applicable Manufacturer's Operation and Service Instructions										
022.003.001	Use optical time domain reflectometer							-	-	b	-	-
022.003.002	Use splicers headset							-	-	b	-	-
022.004	Alternate power control panel	TR: CEMs 21-SM80X-2-21-X, 35R-1-X51-X										
022.004.001	Operate							-	-	-	-	-
022.005	HICS Cable Maintenance/Installation	TR: 21M-LGM30F-2-20-1										
022.005.001	Inspect							-	-	-	-	-
022.005.002	Troubleshoot							-	-	-	-	-
022.005.003	Repair							-	-	-	-	-
022.005.004	HICS cable composition (HICS Core)		5					-	-	-	-	-
022.005.005	Conductor Identification (HICS Core)		5					-	-	-	-	-
022.005.006	Detect splicer errors with multimeter							-	-	-	-	-
022.005.007	Install grippers, inner/outer cases (HICS Core)		5					a	-	-	-	-
022.006	HICS Pressure/Pressure Monitoring system	TR: 21M-LGM30F-2-20-1, 21M-LGM30F-2-5-8, 31W3-10-16, 34Y41-17-7, 34Y41-19-1, 31W3-10-16										

022.006.001	Pressure Monitor Receiver Transmitter (PMRT)											
022.006.001.001	Operate (HICS Core)		5					-	-	-	-	-
022.006.001.002	Troubleshoot (HICS Core)		5					-	-	-	-	-
022.006.001.003	Repair							-	-	-	-	-
022.006.001.004	Perform PMRT program loading and recording							-	-	-	-	-
022.006.002	Cable Air Dryer											
022.006.002.001	Perform periodic Inspection (HICS Core)		5					a	-	-	-	-
022.006.002.002	Troubleshoot (HICS Core)		5					-	-	-	-	-
022.006.002.003	Checkout (HICS Core)		5					-	-	-	-	-
022.006.002.004	Repair							-	-	-	-	-
022.007	Hardened Intersite Cable System (HICS) Equipment grounds	TR: 21M-LGM30F-2-20-1										
022.007.001	Install equipment grounds							-	-	-	-	-
022.007.002	Remove equipment grounds							-	-	-	-	-
022.007.003	Check quality of grounds							-	-	-	-	-
022.007.004	Troubleshoot							-	-	-	-	-
022.007.005	Repair							-	-	-	-	-
022.008	Cable Splicing	TR: TOs 21M-LGM30F-2-20-1, 31W3-10 Series, 31-10 Series										
022.008.001	Splice HICS cable (HICS Core)		5					a	-	-	-	-
022.008.002	Clear cap conductors							-	-	-	-	-
022.008.003	Prepare a HICS cable section/link cable (HICS Core)		5					-	-	-	-	-
022.008.004	Prepare a HICS in-service/out-of-service cable replacement (HICS Core)		5					-	-	-	-	-
022.008.005	Splice-in load coils							-	-	-	-	-
022.008.006	Splice-in capacitors							-	-	-	-	-
022.008.007	Install temporary bonds							-	-	-	-	-
022.009	Cable Sealing	TR: TOs 31W3-10-12, 31W3-10-13, 31W3-10-21, 21M-LGM30F-2-20-1										
022.009.001	Maintain HICS grounding and sealing devices (HICS Core)		5					-	-	-	-	-
022.009.002	Seal cable ends							-	-	-	-	-
022.009.003	Install temporary seals on a splice opening							-	-	-	-	-
022.009.004	Repair/replace HICS terminal splice cases							-	-	-	-	-
022.009.005	Repair/replace HICS installed splice cases							-	-	-	-	-
022.009.006	Repair damaged HICS cable sheath							-	-	-	-	-
022.009.007	Maintain HICS termination equipment							-	-	-	-	-
022.009.008	Checkout/replace electrical surge arrester (ESA).							-	-	-	-	-
022.009.009	Checkout/replace high energy sparks gaps							-	-	-	-	-
022.010	Buried Cable Systems	TR: TOs 31W3-10-12, 31W3-10-13, 21M-LGM30F-2-20-1										
022.010.001	Locate existing buried cables using test equipment (HICS Core)		5					-	-	-	-	-
022.010.002	Set up cable for cable splicing							-	-	-	-	-
022.010.003	Set up a ground tent							-	-	-	-	-
022.010.004	Perform HICS excavation/backfill operations (HICS Core)		5					-	-	-	-	-
022.010.005	Prepare splice pit and trench for HICS cable							-	-	-	-	-
022.010.006	Install marker post							-	-	-	-	-
022.010.007	Backfill splice pits and trenches (HICS Core)		5					-	-	-	-	-
022.011	Troubleshoot HICS electrical faults (HICS Core)	TR: TOs 31-1-141-1, 11-6625-201-12, 33A1-12-1300-1, 33A1-12-1155-1, 33A1-12-310-1	5					-	-	-	-	-
022.012	Cable Pressure System	TR: TOs 21M-LGM30F-2-20-1, 21M-LGM-30F-2-5-7, 31W3-10-16, AFCA CEMI 350-18										

022.012.001	Perform periodic inspection (HICS Core)		5					-	-	-	-	-
022.012.002	Troubleshoot							-	-	-	-	-
022.012.003	Checkout (HICS Core)		5					-	-	-	-	-
022.012.004	Repair							-	-	-	-	-
022.012.005	Troubleshoot HICS pneumatic faults (HICS Core)		5					-	-	-	-	-
022.013	Perform Operator Maintenance on Special Purpose Vehicles and Accessories:											
022.013.001	Backhoe							-	-	-	-	-
022.013.002	ATV							-	-	-	-	-
022.013.003	Cable reel trailer							-	-	-	-	-
022.013.004	Dump truck							-	-	-	-	-
022.014	Cable System Common Maintenance Practices	TR: TOs 21M-LGM30F-2-20, 31W3-10-19, 31W3-10-12, 31W3-10-21, 36A11-18-11-1; AFOSH 91-50										
022.014.001	Position Cable Reel											
022.014.001.001	Buried construction							-	-	-	-	-
022.014.001.002	Cable reel jacks							-	-	-	-	-
022.014.002	Maintain cable yard (HICS Core)		5					-	-	-	-	-
022.015	HICS Right Of Way (ROW) records maintenance	TR: AFI 21-116										
022.015.001	Identify HICS easement/route for activities on the HICS ROW							-	-	-	-	-
022.015.002	Monitor and inspect crossings/construction activities on the HICS ROW							-	-	-	-	-
022.015.003	Perform site survey and determine required actions							-	-	-	-	-
022.015.004	Inspect completed repair actions							-	-	-	-	-
022.015.005	Install temporary pressure source							-	-	-	-	-
022.015.006	HICS demi-valve assembly											
022.015.006.001	Inspect							-	-	-	-	-
022.015.006.002	Troubleshoot							-	-	-	-	-
022.015.006.003	Repair		5					-	-	-	-	-
022.015.007	Interior sealing device	TR: 21M-LGM30F-2-20-1										
022.015.007.001	Install							-	-	-	-	-
022.015.007.002	Repair							-	-	-	-	-
022.015.008	Pressure transmitter											
022.015.008.001	Checkout							-	-	-	-	-
022.015.008.002	Troubleshoot							-	-	-	-	-
022.015.008.003	Repair							-	-	-	-	-
022.015.009	Perform cable classification							-	-	-	-	-
023	PREL MAINTENANCE	TR: TO 21M-LGM30F-6WC-3; Applicable Manufacturers Operation and Service Instructions										
023.001	Brine solution/antifreeze	TR: TO 21M-LGM30X-2-7-X; CEM 21-SM80X-2-21-X										
023.001.001	Description							-	-	B	-	-
023.001.002	Prepare premix (PREL Core)		5					-	-	-	-	-
023.002	Chromate dioxin solution	TR: TO 35E9-35-22										
023.002.001	Description							-	-	B	-	-
023.002.002	Prepare chromate dioxin solution							-	-	-	-	-
023.003	LF/MAF Emergency storage battery reconditioning	TR: TO 35M1-1-101										
023.003.001	Description							-	-	B	-	-
023.003.002	Charge (PREL Core)		5					-	-	-	-	-
023.003.003	Discharge (PREL Core)		5					-	-	-	-	-
023.003.004	Repair							-	-	-	-	-
023.003.005	Inspect (PREL Core)		5					-	-	-	-	-
023.004	Emergency storage battery charger (AAR36AC75F3, 15CRF036-075)	TR: 35M1-1-101										
023.004.001	Operate							-	-	-	-	-
023.004.002	Troubleshoot							-	-	-	-	-
023.004.003	Repair							-	-	-	-	-
023.005	Refrigerant reclaim system	TR: Applicable Manufacturers Operation and Service Instructions										
023.005.001	Operate							-	-	-	-	-
023.005.002	Service							-	-	-	-	-

023.005.003	Repair							-	-	-	-	-
023.006	Transporter erector	TR: TOs 35C2-3-493-1, 35D3-11-52-2, 35D3-11-52-4, 35E9-266-1										
023.006.001	Function and operation							A	-	B	-	-
023.006.002	Electrical system											
023.006.002.001	Perform semi-annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.006.002.002	Perform annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.006.002.003	Troubleshoot							-	-	-	-	-
023.006.002.004	Repair							-	-	-	-	-
023.006.003	Hand held control unit (HHCU)											
023.006.003.001	Repair							-	-	-	-	-
023.006.004	ECS (ECU)											
023.006.004.001	Perform periodic inspection (PREL Core)		5					a	-	-	-	-
023.006.004.002	Troubleshoot							-	-	-	-	-
023.006.004.003	Repair							-	-	-	-	-
023.006.005	APU											
023.006.005.001	Perform semi-annual periodic inspection							-	-	-	-	-
023.006.005.002	Perform annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.006.005.003	Perform triennial periodic inspection (PREL Core)		5					-	-	-	-	-
023.006.005.004	Troubleshoot							-	-	-	-	-
023.006.005.005	Repair							-	-	-	-	-
023.007	Portable air conditioner	TR: TOs 35C2-3-493-1, 35D3-11-52-2, 35E9-270-1										
023.007.001	Function and operation							A	-	B	-	-
023.007.002	APU/electrical system											
023.007.002.001	Perform periodic inspection (PREL Core)							-	-	-	-	-
023.007.002.002	Operate (PREL Core)							-	-	-	-	-
023.007.002.003	Troubleshoot							-	-	-	-	-
023.007.002.004	Repair							-	-	-	-	-
023.007.003	ECS											
023.007.003.001	Perform semi-annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.007.003.002	Perform annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.007.003.003	Perform biennial periodic inspection (PREL Core)		5					-	-	-	-	-
023.007.003.004	Troubleshoot							-	-	-	-	-
023.007.003.005	Repair							-	-	-	-	-
023.008	Support vans	TR: TOs 35D4-7-4-2, 36A12-24-3-1; LJG 20AF-95-001										
023.008.001	Function and operation							A	-	B	-	-
023.008.002	Electrical systems											
023.008.002.001	Perform periodic inspection (PREL Core)		5					-	-	-	-	-
023.008.002.002	Troubleshoot							-	-	-	-	-
023.008.002.003	Repair							-	-	-	-	-
023.008.003	Hoist/crane											
023.008.003.001	Operate (PREL Core)	TR: TOs 21M-LGM30G-2-10, 35D4-7-4-2, 36A12-24-3-1, 21M-LGM30F-2-17-9	5					-	-	-	-	-
023.008.003.002	Perform periodic inspection (PREL Core)		5					-	-	-	-	-
023.008.003.003	Troubleshoot							-	-	-	-	-
023.008.003.004	Repair							-	-	-	-	-
023.008.004	PMT van	TR: TOs 35C2-3-498-1, 35E9-326-1, 35E9-272-1, 36A9-8-56-1, 36Y16-25-1										
023.008.004.001	Function and operation							A	-	B	-	-
023.008.004.002	APU/electrical system	TR: TO 35C2-3-498-1, 35C2-2-152-1, 35C2-3-529-1, 35C2-3-530-3										
023.008.004.002.001	Perform semi-annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.008.004.002.002	Perform annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.008.004.002.003	Troubleshoot							-	-	-	-	-
023.008.004.002.004	Repair							-	-	-	-	-
023.008.004.002.005	Operate (PREL Core)		5					-	-	-	-	-

023.008.005	ECS	TR: TO 35E9-272-1, 35E9-326-1										
023.008.005.001	Perform semi-annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.008.005.002	Perform annual periodic inspection (PREL Core)		5					-	-	-	-	-
023.008.005.003	Troubleshoot							-	-	-	-	-
023.008.005.004	Repair							-	-	-	-	-
023.008.005.005	Operate (PREL Core)		5					-	-	-	-	-
023.008.006	PMT van air compressor	TR: TO 34Y1-1-171; Applicable Manufacturers Operation and Service Instructions										
023.008.006.001	Inspect							-	-	-	-	-
023.008.006.002	Repair							-	-	-	-	-
023.008.006.003	Perform preoperational checkout	TR: TO 36A9-8-56-1						-	-	-	-	-
023.009	Payload transporter	TR: TOs 21M-LGM30F-6WC-3, 31S9-4-83-1, 36A9-8-49-1, 36A9-8-58-1, 38G1-16-161, 38G1-16-162, 38G1-55-2, 35C2-3-518-2										
023.009.001	Function and operation							A	-	B	-	-
023.009.002	Security system											
023.009.002.001	Troubleshoot							-	-	-	-	-
023.009.002.002	Repair							-	-	-	-	-
023.009.003	Hoist											
023.009.003.001	Operate (PREL Core)	TR: TOs 21M-LGM30G-2-33, 36A9-8-49-1, 36A9-8-58-1	5					a	-	-	-	-
023.009.003.002	Perform periodic inspection (PREL Core)		5					a	-	-	-	-
023.009.003.003	Troubleshoot							-	-	-	-	-
023.009.003.004	Repair							-	-	-	-	-
023.010	APU (P/N 100000-1)											
023.010.001	Perform periodic inspection											
023.010.001.001	Semi-annual (PREL Core)		5					-	-	-	-	-
023.010.001.002	Annual (PREL Core)		5					-	-	-	-	-
023.010.001.003	Biennial (PREL Core)		5					-	-	-	-	-
023.010.002	Troubleshoot							-	-	-	-	-
023.010.003	Repair							-	-	-	-	-
023.010.004	PT Electrical system											
023.010.004.001	Perform periodic inspection (PREL Core)		5					-	-	-	-	-
023.010.004.002	Troubleshoot							-	-	-	-	-
023.010.004.003	Repair							-	-	-	-	-
023.010.005	ECS											
023.010.005.001	Perform periodic inspection (PREL Core)		5					a	-	-	-	-
023.010.005.002	Troubleshoot							-	-	-	-	-
023.010.005.003	Repair							-	-	-	-	-
023.011	Maintenance Platform, Guided Missile	TR: TOs 35A4-4-9-1										
023.011.001	Function and operation (PREL Core)		5					A	-	B	-	-
023.011.002	Checkout (PREL Core)		5					-	-	-	-	-
023.011.003	Troubleshoot							-	-	-	-	-
023.011.004	Repair							-	-	-	-	-
023.011.005	Operate to facilitate inspection/repair (PREL Core)		5					-	-	-	-	-
023.011.006	Power and communication distribution box	TR: TOs 21M-LGM30X-2-11, 35A4-2-31-1										
023.011.006.001	Troubleshoot							-	-	-	-	-
023.011.006.002	Repair							-	-	-	-	-
023.012	WS-133 guidance section cooler test repair set	TR: TOs 21M-LGM30X-2-6, 33D9-17-89-1, 33E9-35-22, 21M-LGM30F-6WC-3										
023.012.001	Coolant subsystem (left)											
023.012.001.001	Checkout							-	-	-	-	-
023.012.001.002	Troubleshoot							-	-	-	-	-
023.012.001.003	Repair							-	-	-	-	-
023.012.001.004	Calibrate							-	-	-	-	-
023.012.001.005	Perform periodic inspection							-	-	-	-	-
023.012.002	Evacuation/Refrigeration subsystem (right)											
023.012.002.001	Checkout							-	-	-	-	-
023.012.002.002	Troubleshoot							-	-	-	-	-
023.012.002.003	Repair							-	-	-	-	-
023.012.002.004	Calibrate							-	-	-	-	-

		TR: TOs 21M-LGM30X-2-6, 21M-LGM30F-4-7, 33D9-17-32-1, 33D9-17-81-2, 35E9-35-22, 33D9-17-89-1										
023.013	Guidance and control liquid cooler system											
023.013.001	Function and operation							A	-	B	-	-
023.013.002	400 Hz chiller unit											
023.013.002.001	Checkout (PREL Core)		5					-	-	-	-	-
023.013.002.002	Troubleshoot							-	-	-	-	-
023.013.002.003	Repair							-	-	-	-	-
023.013.003	Control valve assembly											
023.013.003.001	Checkout (PREL Core)		5					-	-	-	-	-
023.013.003.002	Repair							-	-	-	-	-
023.013.004	400 Hz liquid cooling pump											
023.013.004.001	Checkout (PREL Core)		5					-	-	-	-	-
023.013.004.002	Troubleshoot							-	-	-	-	-
023.013.004.003	Repair							-	-	-	-	-
023.013.005	Liquid cooler filter/assembly											
023.013.005.001	Checkout (PREL Core)		5					-	-	-	-	-
023.013.005.002	Clean (PREL Core)		5					-	-	-	-	-
023.013.005.003	Repair							-	-	-	-	-
023.013.006	Guidance section liquid cooler test set											
023.013.006.001	Checkout/calibrate (PREL Core)		5					-	-	-	-	-
023.013.006.002	Troubleshoot							-	-	-	-	-
023.013.006.003	Repair							-	-	-	-	-
023.013.007	Auxiliary Equipment	TR: Applicable Manufacturer's Operation and Service Instructions										
023.013.007.001	Utilize portable water pumps							-	-	-	-	-
023.013.007.002	Utilize portable generators							-	-	-	-	-
023.013.007.003	Utilize portable heaters							-	-	-	-	-
023.014	Hydraulic pipe pusher	TR: TOs 35M27-3-8-1, 35M27-3-11-1										
023.014.001	Function and operation							-	-	B	-	-
023.014.002	Electrical system	TR: TOs 33D9-4-35-1						-	-	-	-	-
023.014.003	Troubleshoot							-	-	-	-	-
023.014.004	Repair							-	-	-	-	-
023.015	Brine chiller test stand	TR: TOs 21M-LGM30F-6WC-3, 33D9-61-84-11										
023.015.001	Function and operation							A	-	B	-	-
023.015.002	Perform periodic inspection (PREL Core)		5					-	-	-	-	-
023.015.003	Operate (PREL Core)		5					-	-	-	-	-
023.015.004	Troubleshoot							-	-	-	-	-
023.015.005	Repair							-	-	-	-	-
023.016	LF brine chiller	TR: TO 33D9-61-84-1										
023.016.001	Checkout (PREL Core)		5					-	-	-	-	-
023.016.002	Troubleshoot							-	-	-	-	-
023.016.003	Repair							-	-	-	-	-
023.017	MAF brine chiller	TR: TO 33D9-61-84-11										
023.017.001	Checkout (PREL Core)		5					-	-	-	-	-
023.017.002	Troubleshoot							-	-	-	-	-
023.017.003	Repair							-	-	-	-	-
023.018	Lead acid, chloride, MPP batteries	TR: TOs 21M-LGM30F-6WC-3, 35C2-3-493-1; 35E9-270-1; CEMs 21M-SM80X-2-21-X, 35R-1-X51-X, 35M1-1-101										
023.018.001	Perform periodic inspection							-	-	-	-	-
023.018.002	Charge/discharge							-	-	-	-	-
023.019	Operate ultrasonic degreaser	TR: TO 35E9-35-22, Applicable Manufacturers Operation and Service Instructions						-	-	-	-	-
024	ICBM Maintenance Support											
024.001	Vehicle and Equipment Control	TR: AFI 21-202										
024.001.001	Perform preoperational checkout											
024.001.001.001	Payload Transporter (PT)	TR: TOs 21M-LGM30G-2-33, 36A9-8-49-1, 36A9-8-58-1						-	-	-	-	-
024.001.001.002	Mechanical Maintenance Truck	TR: TOs 21M-LGM30G-2-10, 35D4-7-4-2, 36A12-24-3-1, 21-LG118A-2-10, 21M-LGM30F-2-17-9;LJG 20AF-95-001						-	-	-	-	-
024.001.002	Forms/records	TR: TOs 00-20-1, 00-20-2, 00-25-245										
024.001.002.001	Initiate							-	-	-	-	-
024.001.002.002	Maintain							-	-	-	-	-

024.001.003	Vehicles											
024.001.003.001	Perform daily inspections of:	TR: AFI 24-301										
024.001.003.001.001	General purpose vehicles	TR: TO 36-1-191						-	-	-	-	-
024.001.003.001.002	Special purpose vehicles	TR: TOs 36A9-8-49-1, 36A9-8-58-1, 36A12-24-3-1, 36A13-31-1						-	-	-	-	-
024.001.003.002	Track vehicle status/location							-	-	-	-	-
024.001.003.003	Schedule vehicles for inspection/repair							-	-	-	-	-
024.001.004	Equipment											
024.001.004.001	Store/Issue equipment							-	-	-	-	-
024.001.004.002	Track equipment status/location							-	-	-	-	-
024.001.005	Nitrogen bottles	TR: TOs 35M1-1-101										
024.001.005.001	Install in purge manifold							-	-	-	-	-
024.001.005.002	Remove from purge manifold							-	-	-	-	-
024.001.005.003	Drain							-	-	-	-	-
024.001.006	Perform explosive set circuitry test set self test	TR: TO 33D9-38-15-21						-	-	-	-	-
024.001.007	Configure vehicles with equipment for dispatch	TR: Applicable weapon system TO; configuration load lists						-	-	-	-	-
024.001.008	Equipment recovery	TR: TOs 00-25-234, 00-24-245, 1-1A-8										
024.001.008.001	Inspect equipment							-	-	-	-	-
024.001.008.002	Repair equipment							-	-	-	-	-
024.001.008.003	Process equipment							-	-	-	-	-
024.002	TRAINER MAINTENANCE OPERATION											
024.002.001	Launch Facility Trainer (AN/GSQ-T8 and AN/GSQ-T9)	TR: TO 43D2-3-27-1										
024.002.001.001	Operate							-	-	-	-	-
024.002.001.002	Perform startup							-	-	-	-	-
024.002.001.003	Perform shutdown							-	-	-	-	-
024.002.001.004	Perform emergency shutdown							-	-	-	-	-
024.002.001.005	Perform startup after inadvertent shutdown							-	-	-	-	-
024.002.001.006	Perform inspection and lubrication of trainer							-	-	-	-	-
024.002.001.007	Security system											
024.002.001.007.001	Perform checkout							-	-	-	-	-
024.002.001.007.002	Perform trouble analysis							-	-	-	-	-
024.002.001.007.003	Repair							-	-	-	-	-
024.002.001.007.004	Operate							-	-	-	-	-
024.002.001.008	OGE power and systems											
024.002.001.008.001	Perform checkout							-	-	-	-	-
024.002.001.008.002	Perform trouble analysis							-	-	-	-	-
024.002.001.008.003	Repair							-	-	-	-	-
024.002.001.008.004	Operate							-	-	-	-	-
024.002.001.009	Communication system											
024.002.001.009.001	Perform checkout							-	-	-	-	-
024.002.001.009.002	Perform trouble analysis							-	-	-	-	-
024.002.001.009.003	Repair							-	-	-	-	-
024.002.001.009.004	Operate							-	-	-	-	-
024.002.001.010	Instructor control panel											
024.002.001.010.001	Perform checkout							-	-	-	-	-
024.002.001.010.002	Perform trouble analysis							-	-	-	-	-
024.002.001.010.003	Repair							-	-	-	-	-
024.002.001.010.004	Operate							-	-	-	-	-
024.002.001.011	Ground G & C liquid cooling system											
024.002.001.011.001	Perform checkout							-	-	-	-	-
024.002.001.011.002	Perform trouble analysis							-	-	-	-	-
024.002.001.011.003	Repair							-	-	-	-	-
024.002.001.011.004	Operate							-	-	-	-	-
024.002.001.012	Distribution box											
024.002.001.012.001	Perform checkout							-	-	-	-	-
024.002.001.012.002	Perform trouble analysis							-	-	-	-	-
024.002.001.012.003	Repair							-	-	-	-	-
024.002.001.012.004	Operate							-	-	-	-	-
024.002.001.013	Simulated environmental control system											
024.002.001.013.001	Perform checkout							-	-	-	-	-
024.002.001.013.002	Perform trouble analysis							-	-	-	-	-
024.002.001.013.003	Repair							-	-	-	-	-
024.002.001.013.004	Operate							-	-	-	-	-

	Launch Facility Trainer (AN/GSQ-T10, AN/GSQ-T13, and AN/GSQ-T41)	TR: TOs 43D2-3-55-1, 43D2-3-81-1										
024.002.002												
024.002.002.001	Operate							-	-	-	-	-
024.002.002.002	Perform startup							-	-	-	-	-
024.002.002.003	Perform shutdown											
024.002.002.004	Perform startup after inadvertent shutdown											
024.002.002.005	Perform inspection and lubrication of trainer							-	-	-	-	-
024.002.002.006	Security system											
024.002.002.006.001	Perform checkout							-	-	-	-	-
024.002.002.006.002	Perform trouble analysis							-	-	-	-	-
024.002.002.006.003	Repair							-	-	-	-	-
024.002.002.006.004	Operate							-	-	-	-	-
024.002.002.007	OGE power and systems											
024.002.002.007.001	Perform checkout							-	-	-	-	-
024.002.002.007.002	Perform trouble analysis							-	-	-	-	-
024.002.002.007.003	Repair							-	-	-	-	-
024.002.002.007.004	Operate							-	-	-	-	-
024.002.002.008	Communication system											
024.002.002.008.001	Perform checkout							-	-	-	-	-
024.002.002.008.002	Perform trouble analysis							-	-	-	-	-
024.002.002.008.003	Repair							-	-	-	-	-
024.002.002.008.004	Operate							-	-	-	-	-
024.002.002.009	Instructor control panel											
024.002.002.009.001	Perform checkout							-	-	-	-	-
024.002.002.009.002	Perform trouble analysis							-	-	-	-	-
024.002.002.009.003	Repair							-	-	-	-	-
024.002.002.009.004	Operate							-	-	-	-	-
024.002.002.010	Ground G & C liquid cooling system											
024.002.002.010.001	Perform checkout							-	-	-	-	-
024.002.002.010.002	Perform trouble analysis							-	-	-	-	-
024.002.002.010.003	Repair							-	-	-	-	-
024.002.002.010.004	Operate							-	-	-	-	-
024.002.002.011	GMSR system											
024.002.002.011.001	Perform checkout							-	-	-	-	-
024.002.002.011.002	Perform trouble analysis							-	-	-	-	-
024.002.002.011.003	Repair							-	-	-	-	-
024.002.002.011.004	Operate							-	-	-	-	-
024.002.002.012	Distribution box											
024.002.002.012.001	Perform checkout							-	-	-	-	-
024.002.002.012.002	Perform trouble analysis							-	-	-	-	-
024.002.002.012.003	Repair							-	-	-	-	-
024.002.002.012.004	Operate							-	-	-	-	-
024.002.003	Training Guided Missile Set (A/E37A-T47)	TR: TO 43D2-3-18-1										
024.002.003.001	Operate							-	-	-	-	-
024.002.003.002	Perform checkout							-	-	-	-	-
024.002.003.003	Perform trouble analysis							-	-	-	-	-
024.002.003.004	Repair							-	-	-	-	-
024.002.003.005	Perform inspections							-	-	-	-	-
024.002.004	Code Change Verifier Set (AN/DJW-36T1A)	TR: TO 43D2-3-18-1										
024.002.004.001	Perform checkout							-	-	-	-	-
024.002.004.002	Perform trouble analysis							-	-	-	-	-
024.002.004.003	Repair							-	-	-	-	-
024.002.004.004	Operate							-	-	-	-	-
024.002.005	Missile Guidance Set Trainer (AN/DJW-36T1)	TR: TO 43D2-3-73-1										
024.002.005.001	Perform checkout							-	-	-	-	-
024.002.005.002	Perform trouble analysis							-	-	-	-	-
024.002.005.003	Repair							-	-	-	-	-
024.002.005.004	Perform inspections							-	-	-	-	-
024.002.005.005	Operate							-	-	-	-	-
024.002.006	Propulsion System Rocket Engine Trainer (A/A44A-4T1)	TR: TO 43D2-3-72-1										
024.002.006.001	Perform checkout							-	-	-	-	-
024.002.006.002	Perform trouble analysis							-	-	-	-	-
024.002.006.003	Repair							-	-	-	-	-
024.002.006.004	Perform inspections							-	-	-	-	-
024.002.006.005	Operate							-	-	-	-	-
024.002.007	Control Monitor Procedures Trainer (AN/GSQ-T46/T47/T48/T49)	TR: TO 43D2-3-93-1										
024.002.007.001	Operate							-	-	-	-	-
024.002.008	Environmental Control System/power Procedures Trainer (A/F37FU-T19/T21/T22/T24/T25)	TR: TOs 43D2-3-84-1, 43D2-3-85-1, 43D2-3-89-1, 43D2-3-91-1, 43D2-3-92-1										

024.002.008.001	Operate							-	-	-	-	-
024.002.008.002	Perform startup							-	-	-	-	-
024.002.008.003	Perform shutdown							-	-	-	-	-
024.002.008.003.001	Perform checkout							-	-	-	-	-
024.002.008.003.002	Perform trouble analysis							-	-	-	-	-
024.002.008.003.003	Repair							-	-	-	-	-
024.002.008.003.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.003.005	Operate							-	-	-	-	-
024.002.008.004	Perform emergency shutdown							-	-	-	-	-
024.002.008.005	Instructor control panel											
024.002.008.005.001	Perform checkout							-	-	-	-	-
024.002.008.005.002	Perform trouble analysis							-	-	-	-	-
024.002.008.005.003	Repair							-	-	-	-	-
024.002.008.005.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.005.005	Operate							-	-	-	-	-
024.002.008.006	Intercommunication system											
024.002.008.006.001	Perform checkout							-	-	-	-	-
024.002.008.006.002	Perform trouble analysis							-	-	-	-	-
024.002.008.006.003	Repair							-	-	-	-	-
024.002.008.006.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.006.005	Operate							-	-	-	-	-
024.002.008.007	Load bank											
024.002.008.007.001	Perform checkout							-	-	-	-	-
024.002.008.007.002	Perform trouble analysis							-	-	-	-	-
024.002.008.007.003	Repair							-	-	-	-	-
024.002.008.007.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.007.005	Operate							-	-	-	-	-
024.002.008.008	Simulated electronic rack											
024.002.008.008.001	Perform checkout							-	-	-	-	-
024.002.008.008.002	Perform trouble analysis							-	-	-	-	-
024.002.008.008.003	Repair							-	-	-	-	-
024.002.008.008.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.008.005	Operate							-	-	-	-	-
024.002.008.009	DC power supply PS-500											
024.002.008.009.001	Perform checkout							-	-	-	-	-
024.002.008.009.002	Perform trouble analysis							-	-	-	-	-
024.002.008.009.003	Repair							-	-	-	-	-
024.002.008.009.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.009.005	Operate							-	-	-	-	-
024.002.008.010	Transfer control panel											
024.002.008.010.001	Perform checkout							-	-	-	-	-
024.002.008.010.002	Perform trouble analysis							-	-	-	-	-
024.002.008.010.003	Repair							-	-	-	-	-
024.002.008.010.004	Adjust/Inspect circuitry/mechanical devices							-	-	-	-	-
024.002.008.010.005	Operate							-	-	-	-	-
024.002.010	Sump pump trainers (A/F 374-T25, 37U-T2)	TR: TOs 43D2-3-84-1, 43D2-3-92-1, 43D2-3-97-1; CEM 21-SM80X-2-24-X										
024.002.010.001	Operate							-	-	-	-	-
024.002.010.002	Inspect							-	-	-	-	-
024.002.010.003	Perform checkout							-	-	-	-	-
024.002.010.004	Troubleshoot							-	-	-	-	-
024.002.010.005	Repair							-	-	-	-	-
024.002.011	Third Stage Trainer	TR: TO 21MLGM30F-2-17-5										
024.002.011.001	Operate							-	-	-	-	-
024.002.011.002	Checkout							-	-	-	-	-
024.002.011.003	Troubleshoot							-	-	-	-	-
024.002.011.004	Repair							-	-	-	-	-
024.002.011.005	Inspect							-	-	-	-	-
024.002.012	Code Change Verifier Simulator (SM-876/G)	TR: TO 43D2-3-18-1										
024.002.012.001	Operate							-	-	-	-	-
024.003	QUALITY ASSURANCE	TR: AFI 21-200 AFGSC 21-200, AFGSC SUP 21-101										
024.003.001	Technical data	TR: AFD 21-3; TOs 00-5-1, AFGSCIs 32-1005, 32-1009										

024.003.001.001	Review/process AFTO Forms 22 and AFGSC Forms 272							-	-	-	-	-
024.003.001.002	Review technical data and standard publications							-	-	-	-	-
024.003.001.003	Review supplements and maintenance OIs for accuracy, intent, and necessity							-	-	-	-	-
024.003.001.004	Review/Process Technical Assistance Request							-	-	-	-	-
024.003.001.005	Review/Process Maintenance Assistance Request							-	-	-	-	-
024.003.002	TCTO, MCLs, and modifications											
024.003.002.001	Review for applicability, training, supplies, and equipment requirements							-	-	-	-	-
024.003.002.002	Determine sampling size and perform random inspections							-	-	-	-	-
024.003.002.003	Conduct final review of TCTO/MCLs submitted by Maintenance Group							-	-	-	-	-
024.003.003	Inspections											
024.003.003.001	Conduct management inspections											
024.003.003.002	Conduct quality verification inspections											
024.003.003.003	Conduct activity inspections							-	-	-	-	-
024.003.003.004	Conduct special inspections							-	-	-	-	-
024.003.004	Hardware inspections											
024.003.004.001	Conduct hardware equipment inspection							-	-	-	-	-
024.003.004.002	Conduct hardware acceptance inspection							-	-	-	-	-
024.003.005	Proficiency evaluations											
024.003.005.001	Conduct personnel proficiency evaluations							-	-	-	-	-
024.003.005.002	Conduct trainer proficiency evaluations							-	-	-	-	-
024.003.006	Evaluation/Inspection reports											
024.003.006.001	Document evaluations/inspections							-	-	-	-	-
024.003.006.002	Prepare evaluation/inspection reports							-	-	-	-	-
024.003.006.003	Evaluate deferred discrepancies							-	-	-	-	-
024.003.007	Training											
024.003.007.001	Conduct MEP orientation course							-	-	-	-	-
024.003.007.002	Conduct Deficiency Reporting course							-	-	-	-	-
024.003.008	Deficiency Reporting	TR: AFMAN 23-110; TO 00-35D-54										
024.003.008.001	Identify deficiencies							-	-	-	-	-
024.003.008.002	Process deficiency reports							-	-	-	-	-
024.004	Plans and Scheduling	TR: AFI 21-202										
024.004.001	Planning											
024.004.001.001	Plan, coordinate, and compile maintenance forecasts							-	-	-	-	-
024.004.001.002	Prepare and maintain quarterly maintenance plan							-	-	-	-	-
024.004.001.003	Prepare monthly utilization and maintenance plan							-	-	-	-	-
024.004.001.004	Prepare weekly utilization and maintenance plan							-	-	-	-	-
024.004.001.005	Prepare daily utilization and maintenance plan							-	-	-	-	-
024.004.002	Plan and coordinate the following:											
024.004.002.001	SELM							-	-	-	-	-
024.004.002.002	Code change							-	-	-	-	-
024.004.002.003	TCTO/MCL modification program							-	-	-	-	-
024.004.002.004	EWO generation meeting							-	-	-	-	-

024.004.002.005	Periodic maintenance program							-	-	-	-	-
024.004.002.006	RIVET Mile programs							-	-	-	-	-
024.004.003	AVDO											
024.004.003.001	Coordinate Missile Shipment requirements with Depot							-	-	-	-	-
024.004.003.002	Prepare documents for outgoing shipment							-	-	-	-	-
024.004.003.003	Verify Booster configuration for shipment							-	-	-	-	-
024.004.003.004	Receive incoming booster							-	-	-	-	-
024.004.003.005	Email Change Reports							-	-	-	-	-
024.004.003.006	File electronic/hardcopy documents							-	-	-	-	-
024.004.004	Scheduling											
024.004.004.001	Plan and schedule the use and maintenance of vehicles and equipment							-	-	-	-	-
024.004.004.002	Coordinate jobs in conjunction with Missile Maintenance Operations Center (MMOC) using appropriate workcenter requirements							-	-	-	-	-
024.004.004.003	Develop daily work packages in IMDS							-	-	-	-	-
024.004.004.004	Conduct daily scheduling meetings							-	-	-	-	-
024.004.004.005	Reentry systems	TR: Local OPLAN directive						-	-	-	-	-
024.004.004.005.001	Run Line 100 checklist							-	-	-	-	-
024.004.004.005.002	Build RS movement briefing							-	-	-	-	-
024.004.004.005.003	Execute meeting/distribute slides							-	-	-	-	-
024.005	Briefing/Debriefing	TR: AFI 21-202v1										
024.005.001	Brief work packages, site discrepancies, and related information to:											
024.005.001.001	On base shop personnel							-	-	-	-	-
024.005.001.002	Dispatching personnel/teams							-	-	-	-	-
024.005.002	Debrief work packages, site discrepancies, and related information from:											
024.005.002.001	On base shop personnel							-	-	-	-	-
024.005.002.002	Dispatching personnel/teams							-	-	-	-	-
024.005.003	Records											
024.005.003.001	Assign, verify, and change maintenance priorities using the maintenance priority system							-	-	-	-	-
024.005.003.002	Forward LF site inspections and inventory forms to the proper agencies for review							-	-	-	-	-
024.005.003.003	Maintain currency of record copy of Site Workload Requirements/ Equipment Workload Requirements (SWR/EWR)							-	-	-	-	-
024.005.003.004	Perform SWR/EWR reconciliations with applicable agencies							-	-	-	-	-
024.005.003.005	Data analysis							-	-	-	-	-
024.006	Technical Engineering											
024.006.001	Use technical data, special drawings, engineering data, and other data as applicable	TR: Special contractor data; depot instructions; CE technical data; as built drawings; engineering data; Inertial Performance Data (IPD); Launch Facility Activity Data (LFAD)						-	-	-	-	-
024.006.002	Conduct engineering studies	TR: Applicable technical data; AFI 21-202						-	-	-	-	-
024.006.003	Evaluate applicable Engineering Change Proposals (ECPs) and Facility Change Proposals (FCPs)	TR: Applicable technical data; AFI 21-202						-	-	-	-	-
024.006.004	Perform technical assistance and/or analysis for system effectiveness	TR: Applicable technical data						-	-	-	-	-

024.006.005	Perform technical engineering EWO planning duties	TR: Local OPLAN directives						-	-	-	-	-
024.006.006	Perform Disaster Control Group Team duties	TR: Local OPLAN directives						-	-	-	-	-
024.006.007	System anomalies	TR: Applicable technical data										
024.006.007.001	Troubleshoot							-	-	-	-	-
024.006.007.002	Use special engineering test equipment							-	-	-	-	-
024.006.007.003	Document faults and dispatches							-	-	-	-	-
025	MISSILE MAINTENANCE OPERATIONS CENTER (MMOC)	TR: AFI 21-202V1, AFGSCI 21-202										
025.001	Understand security enhancement procedures and site security procedures	TR: DoD 5210.41M, AFMAN 31-108, AFI 21-202V1						-	-	-	-	-
025.002	Use the maintenance priority system	TR: AFI 21-202V1						-	-	-	-	-
025.003	Accept, evaluate, and respond to reports from LFs/MAFs	TR: TOS 21M-LGM30X-2-1-X						-	-	-	-	-
025.004	Monitor, update, and delete maintenance data for priorities 1-4	TR: AFI 21-202V1						-	-	-	-	-
025.005	Coordinate with Materiel Control on priority changes, PMCS, NMCS, and MICAP conditions	TR: AFI 21-202V1						-	-	-	-	-
025.006	Coordinate and document maintenance on and off base	TR: AFI 21-202V1						-	-	-	-	-
025.007	Coordinate unscheduled dispatches	TR: AFI 21-202V1						-	-	-	-	-
025.008	Monitor critical equipment and vehicle status	TR: AFI 21-202V1						-	-	-	-	-
025.009	Coordinate and document cannibalization procedures	TR: TO 00-20-2, AFI 21-202V1						-	-	-	-	-
025.010	Perform EWO actions	TR: Local OPLAN directive										
025.010.001	Senior controller							-	-	-	-	-
025.010.002	Weapons system controller							-	-	-	-	-
025.011	Use procedural, situational, and EWO checklists	TR: Local OPLAN directive										
025.011.001	Coordinate disaster response actions							-	-	-	-	-
025.011.002	Coordinate movement of and emergency procedures	TR: DoD 5210.41M, AFMAN 31-108; Local OPLAN directive										
025.011.002.001	PSRE							-	-	-	-	-
025.011.002.002	Reentry systems							-	-	-	-	-
025.011.002.003	Missile							-	-	-	-	-
025.011.003	Perform actions in support of Missile Potential Hazard (MPH) conditions	TR: 20AFI 21-1						-	-	-	-	-
025.012	Coordinate with BCE on RPIE maintenance requirements and interruptions of normal commercial power	TR: AFGSCI 32-1005						-	-	-	-	-
025.013	Coordinate and document airborne launch and control systems tests	TR: TOS 21M-LGM30X-2-1-X; ALCC Log						-	-	-	-	-
025.014	Coordinate and document code change action	TR: TOS 21M-LGM30G-2-1-X; AFGSCI 91-1005						-	-	-	-	-
025.015	Perform actions required of severe weather, snow, ice, and flood control plans	TR: Local OPLAN directives						-	-	-	-	-
025.016	Perform support battle staff maintenance duties	TR: Local OPLAN directives						-	-	-	-	-
025.017	Report wing status	TR: AFI 21-103, AFGSCI 21-103						-	-	-	-	-
025.018	Use secure communication	TR: Operating Manual						-	-	-	-	-
025.019	Operate ECS Remote Monitoring System (ERMS)	TR: 21M-LGM30F-2-5-8						-	-	-	-	-
025.020	Operate Remote Environmental Control System (RECS) Monitor Computer Terminal	TR: T.O. 21M-LGM30F-2-30-1						-	-	-	-	-
025.021	Familiarization with support agencies and their responsibilities/capabilities							-	-	-	-	-

025.022	Utilize and implement MMOC checklists							-	-	-	-	-
025.023	PPPA Programming	TR: TO 33D9-61-84-11										
025.023.001	Programmable Logic Controller (PLC) Programming							-	-	-	-	-
025.023.002	Panel Display Programming							-	-	-	-	-
025.023.003	Rockwell Software Loading							-	-	-	-	-
026	VANDENBERG AFB MAINTENANCE											
026.001	Facilities Maintenance Teams	TR: 21-SM80A-2-21-1										
026.001.001	Launcher Auxiliary Support Building (LASB) (WS-133AM)	TR: LCL 576FLTS-07										
026.001.001.001	Enter							-	-	-	-	-
026.001.001.002	Exit							-	-	-	-	-
026.001.001.003	Perform electrical isolation							-	-	-	-	-
026.001.002	Launcher Auxiliary Support Building (LASB) (WS-133B)	TR: LCL 576FLTS-07										
026.001.002.001	Enter							-	-	-	-	-
026.001.002.002	Exit							-	-	-	-	-
026.001.002.003	Perform electrical isolation							-	-	-	-	-
026.001.003	Portable Diesel Electric Unit (PDEU) power system	TR: CEM 21-SM80-102, AFJMAN-24-306										
026.001.003.001	Install							-	-	-	-	-
026.001.003.002	Operate							-	-	-	-	-
026.001.003.003	Adjust voltage/frequency							-	-	-	-	-
026.001.003.004	Remove							-	-	-	-	-
026.001.003.005	PDEU trailer acceptance and preparation for towing							-	-	-	-	-
026.001.004	Refire control panel	TR: TO 21M-LGM30F-2-7-4, 21M-LGM30G-2-7-12										
026.001.004.001	Checkout							-	-	-	-	-
026.001.004.002	Troubleshoot							-	-	-	-	-
026.001.004.003	Repair							-	-	-	-	-
026.001.005	LF/MAF topside Automatic Transfer Switch (ATS)	TR: CEMs 21-SM80X-2-21-X, 35R-1-X51-1										
026.001.005.001	Troubleshoot							-	-	-	-	-
026.001.005.002	Repair							-	-	-	-	-
026.001.006	Perform Launch tube access system annual periodic inspection (WS-133AM)	TR: CEMs 21-SM80X-2-26-X, 35R-1-X81-X, 21-SM80-6 (Vol VII)										
026.001.007	LAUNCH FACILITY PROCEDURES (WS133B)	TR: TOs 21M-LGM30F-2-17-9, 21M-LGM30X-2-10 (-1), 21M-LGM30X-2-19										
026.001.007.001	Perform emergency shutdown							-	-	-	-	-
026.001.008	MAF 01A maintenance	TR: CEM 21-SM80-19 (Vol XX)										
026.001.008.001	Perform gate and support building entry							-	-	-	-	-
026.001.008.002	Perform launch control center entry							-	-	-	-	-
026.001.008.003	Perform launch control center exit							-	-	-	-	-
026.001.008.004	Perform gate and support building exit							-	-	-	-	-
026.001.008.005	Perform emergency shutdown							-	-	-	-	-
026.001.008.006	Perform support building electrical isolation							-	-	-	-	-
026.001.009	MAF 01E Maintenance											
026.001.009.001	Perform MAF entry							-	-	-	-	-
026.001.009.002	Perform LCC Entry							-	-	-	-	-
026.001.009.003	Perform MAF exit							-	-	-	-	-
026.001.009.004	Perform emergency shutdown							-	-	-	-	-
026.001.009.005	Perform LCEB electrical isolation							-	-	-	-	-
026.001.010	MAF DDD Maintenance											
026.001.010.001	Perform MAF entry							-	-	-	-	-
026.001.010.002	Perform LCC Entry							-	-	-	-	-
026.001.010.003	Perform MAF exit							-	-	-	-	-
026.001.010.004	Perform emergency shutdown							-	-	-	-	-
026.001.010.005	Perform LCEB electrical isolation							-	-	-	-	-
026.001.011	Corrosion Prevention System Gas Phase Filter Cabinet	TR: 21M-LGM30F-2-7-4, 21M-LGM30F-6WC-1, 21M-LGM30F-2-17-9, 21M-LGM30G-2-7-12										

026.001.011.001	Perform annual periodic inspection							-	-	-	-	-
026.001.011.002	Troubleshoot							-	-	-	-	-
026.001.011.003	Repair							-	-	-	-	-
026.001.011.004	Preventive maintenance							-	-	-	-	-
026.001.012	Corrosion Prevention System Dehumidifier	TR: TO 21M-LGM30F-2-7-4, 21M-LGM30F-6WC1, 21M-LGM30G-2-7-12										
026.001.012.001	Perform periodic inspection							-	-	-	-	-
026.001.012.002	Troubleshoot							-	-	-	-	-
026.001.012.003	Repair							-	-	-	-	-
026.001.013	Perform corrosion prevention system duct cleaning	TR: 21M-LGM30F-2-7-4, 21M-LGM30F-2-17-9, 21M-LGM30F-6WC-1, 21M-LGM30G-2-7-12						-	-	-	-	-
026.001.014	Repair condensate collection drum	TR: TO 21M-LGM30F-2-7-4, 21M-LGM30G-2-7-12						-	-	-	-	-
026.002	Power Refrigeration and Electric Shop maintenance											
026.002.001	CTL winch set	TR: TO 35D4-2-45-1										
026.002.001.001	Troubleshoot							-	-	-	-	-
026.002.001.002	Repair							-	-	-	-	-
026.003	GPS/CD (MOD 7) Battery											
026.003.001	Activate/checkout							-	-	-	-	-
026.003.002	Discharge							-	-	-	-	-
026.003.003	Troubleshoot							-	-	-	-	-
026.003.004	Repair							-	-	-	-	-
026.004	Automated Battery Processing System (ABPS)											
026.004.001	Operate							-	-	-	-	-
026.004.002	Calibrate							-	-	-	-	-
026.004.003	Troubleshoot							-	-	-	-	-
026.004.004	Repair							-	-	-	-	-
026.005	HIP-E1 Hydraulic Test Stand											
026.005.001	Troubleshoot							-	-	-	-	-
026.005.002	Repair							-	-	-	-	-