

PAVEMENTS AND CONSTRUCTION
EQUIPMENT OPERATOR
Wage Grade Series
3602/3653/4749/5210/5703/5704/5705/
5716/5725/5767



CAREER FIELD EDUCATION AND TRAINING PLAN

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

RELEASABILITY: There are no releasability restrictions on this publication.

CAREER FIELD EDUCATION AND TRAINING PLAN
PAVEMENTS AND CONSTRUCTION EQUIPMENT OPERATOR

WAGE GRADE SERIES 3602/3653/4749/5210
5703/5704/5705/5716/5725/5767

TABLE OF CONTENTS

PREFACE.....	3
ABBREVIATIONS/TERMS EXPLAINED.....	4
PART I.....	7
SECTION A - GENERAL INFORMATION	7
A1. Purpose.....	7
A2. Uses.....	7
A3. Coordination and Approval	7
SECTION B - CAREER FIELD PROGRESSION AND INFORMATION.....	8
B1. Series Descriptions	8
B2. Skill and Career Progression	8
B3. Correspondence Course Enrollment	9
B4. Civil Engineer Civilian Career Field Pyramid	10
PART II.....	11
SECTION A - GROUP SERIES TRAINING STANDARD.....	11
A1. Purpose.....	11
A2. Recommendations	12
SECTION B - SUPPORT MATERIAL	12
B1. Air Force Qualification Training Packages	12
SECTION C - EDUCATION AND TRAINING COURSE INDEX.....	13
C1. Purpose	13
ATTACHMENTS	
Attachment 1 – Qualitative Requirements (Proficiency Code Key)	14
Attachment 2 – Wage Grade Group Series Training Standard.....	15
Attachment 3 – Locally Developed Training Supplement	30

OPR: Air Force Civil Engineer Functional Advisory Council Wage Grade Panel
Certified by: Dave Perkins and Greg ZseDenny, Wage Grade Panel Chairs

PREFACE

This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements and training support resources for the Concrete Finishing Maintenance Mechanic, Pavements and Construction, Engineering Equipment Operating, Motor Vehicle Operating, Fork Lift Operating, Tractor Operations, Crane Operating, and Airfield Clearing Equipment Operating series. The CFETP will provide our wage grade personnel with a clear career path to success and instill rigor in all aspects of our Job Series training.

The CFETP consists of two parts used by the supervisor to plan, manage, and control training within the job series.

Part I provides information necessary for overall management of the job series.

- Section A provides general information about how the CFETP will be used.
- Section B identifies job series field progression information, duties and responsibilities, training strategies, and the job series path.

Part II includes the following:

- Section A identifies the Group Series Training Standard (GSTS) to include duties, tasks, and technical references to support civilian Wage Grade training programs.
- Section B identifies available support materials.
- Section C identifies a training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses, and exportable courseware.

Note: At unit level, supervisors and trainers must use Part II to identify, plan, and conduct training commensurate with the overall goals of this guide.

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

ABBREVIATIONS/TERMS EXPLAINED

Advanced Distributive Learning (ADL). Anytime, anyplace learning within DoD consisting of instructional modules comprised of sharable content objectives in an Internet/Intranet environment.

Air Force Civilian Career Field Manager (AFCCFM). An individual on the Air Staff charged with the responsibility for overseeing all training and career field management aspects of an Air Force series or group of series.

Air Force Civil Engineer Center (AFCEC). The focal point for all Civil Engineer training development. All Force Development Managers (FDM) are located at AFCEC.

Air Force Institute of Technology (AFIT). Provides vital, relevant, and connected education that enables Airmen to be ready engineers and great leaders who know how to build sustainable installations to last while leading the change for the Civil Engineer career field. Course list can be accessed at <http://www.afit.edu/cess/index.cfm>.

Air Force Training Record (AFTR). Electronic training data base to document training and access is located at the [CE-VLC](#).

Air Force Wage Grade Series Qualification Standard (AFWGSQS). A comprehensive task list that describes a particular series or duty position. Used by supervisors to document task qualifications. The tasks on the AFJQS are common to all persons serving in the described duty position.

Air Force Qualification Training Package (AFQTP). An instructional package designed for use as a training resource to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. AFQTPs identify the Air Force's standardized method for performing the task. The AFQTP may be printed (paper-based), computer-based, in other audiovisual media formats, or all three.

Career Development Course (CDC). Self-paced, correspondence course published to provide the information necessary to satisfy the career knowledge component of on-the-job training (OJT). These courses are developed from references identified in the CFETP correlating with mandatory knowledge items listed in the Air Force Enlisted Classification Directory (AFECD). CDCs will contain information on basic principles, techniques, and procedures common to an AFSC. They do not contain information on specific equipment or tasks unless best illustrating a procedure or technique having utility to the entire AFSC.

CE Portal. The one-stop for all things Civil Engineering. Contains link to CE Force Development and Civilian Development Resource Center/Wage Grade Training Assets at: <https://cs2.eis.af.mil/sites/10041/Pages/default.aspx>.

Civil Engineer Virtual Learning Center (CE-VLC). Anytime, anyplace learning within the Civil Engineer Community consisting of instructional modules and skill-level awarding course material specific to the AFSC.

Commercial Off The Shelf (COTS). Commercially-procured training products.

Computer-Based Training (CBT). A self-paced stand-alone computer product used to deliver interactive subject and task knowledge.

Distance Learning (DL). Includes Video Tele-seminar (VTS), Video Tele-training (VTT), and CBT. Formal courses that a training wing or a contractor develops for export to a field location (in place of resident training) for trainees to complete without the on-site support of the formal school instructor. For instance, courses are offered by Air Force Institute of Technology, Air University, and Training Detachment.

Duty Position Tasks. Tasks identified by the workcenter supervisor as critical and common training tasks needed for the duty position and mission accomplishment.

Enlisted Professional Military Education (EPME). EPME provides a continuum of learning through progressive courses concentrated on developing airmanship and war-fighting skills. EPME plays a vital role in preparing Airmen for increased supervision, leadership, and management challenges. The three levels of Air Force EPME are Airman Leadership School, Noncommissioned Officer Academy and Air Force Senior Noncommissioned Officer Academy. EPME is available to Wage Grade civilians.

Functional Advisory Council Wage Grade Panel. The Wage Grade Panel is one of the three panels that make up the Civil Engineer Functional Advisory Council (FAC). The Wage Grade Panel charter is to work issues, develop policy, and provide recommendations to the FAC on matters related to civilian wage grade requirements. The Wage Grade Panel works through the FAC, in service to the CE Total Force community.

Just-in-Time (JIT) Training. Training required just prior to a selected deployment or tasking that delivers training necessary for mission accomplishment. It is typically predicated on hard-to-obtain contingency skill.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training conducted to certify personnel in job qualification (duty position certification) training.

Proficiency Training. Additional training, either in-residence, advanced/supplemental training courses, or on-the-job training provided to personnel to increase their skills and knowledge beyond the minimum.

Regional Training Site (RTS). Total Force training centers managed by the Air National Guard.

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

Wage Grade Series Training. A mix of formal training (technical school) and informal training (on-the-job) to maintain and enhance wage grade series specific technical skills.

Group Series Training Standard (GSTS). Describes skills and knowledge that Airmen in a particular job series need on the job and for future career development opportunities. It

further serves as the overall training requirements for a Wage Series taught in the resident and nonresident courses.

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

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

PART I

SECTION A - GENERAL INFORMATION

A1. Purpose: This CFETP provides a formalized tool for supervisors and managers of civilian wage grade employees to ensure required knowledge and skill levels are achieved, documented, and maintained. The CFETP also indicates training opportunities and methods for employee to gain leadership and management experience for career development.

A1.1. The CFETP has several purposes:

A1.1.1. Serves as a management tool to plan, manage, conduct, and evaluate a wage grade series training program. It is used to help supervisors identify training at the appropriate point in an individual's career.

A1.1.2. Identifies task and knowledge training requirements for this wage grade series and recommends education/training throughout each phase of an individual's career.

A1.1.3. Lists training courses available in this wage grade series and identifies sources of training and the delivery methods. It is used as a tool for collecting and demonstrating the need for training resources.

A2. Uses. Managers and supervisors may use the plan at all levels to ensure comprehensive and cohesive training programs are available for each individual in the wage grade series.

A2.1. Wage Grade Panel of the Functional Advisory Council will develop/revise formal resident, non-resident, field, and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the Air Force Civil Engineer Center Force Development Division (AFCEC/COF) to develop acquisition strategies for obtaining resources needed to provide the identified training.

A2.2. The Wage Grade Panel will ensure their training programs complement the CFETP training requirements and identify requirements that can be satisfied by OJT, resident training, contract training, or exportable courses.

A2.3. Supervisors guide each individual through completion of training specified in this plan.

A2.4. Each individual completes training requirements specified in this plan. The list of courses in Part II of this CFETP will be used as a reference to support training.

A3. Coordination and Approval. The Wage Grade Panel Chairs are the approval authority for the CFETP. The Wage Grade Panel will identify and coordinate on wage grade series training requirements. Using the list of courses in Part II, they will eliminate duplicate training.

PART I**SECTION B - WAGE GRADE SERIES PROGRESSION AND INFORMATION**

B1. Series Descriptions. See each individual's Core Personnel Document for the description.

B1.1. Wage Grade Series Summary.

B2. Skill and Career Progression. Adequate training for progression from the apprentice to the mechanic level, and possibly into a supervisory position play an important role in the Air Force's ability to accomplish its mission. It is essential everyone involved in training do their part to participate in, plan, manage, and conduct effective training. The guidance provided in this part of the CFETP will identify viable training at appropriate points in an individual's career.

B2.1. Apprentice/Helper (A/H).

B2.1.1. Upon completion of initial skills training, an employee may work with a trainer to enhance their knowledge and skills to perform at the highest attainable level within their series.

B2.1.2. Utilize the Career Development Course (CDC) and other exportable courses for subject and task fundamentals in the series.

B2.1.3. Encourage apprentice/helpers to continue academic education and begin EPME by enrolling in Airman Leadership School either in-residence or by correspondence course.

B2.2. Journeyman (J).

B2.2.1. Journeymen may continue to advance their skills by completing additional training. Upon completing training, they may be assigned job positions such as team leader, trainer, or task certifier. Journeymen can pursue leadership training and skills in order to qualify for potential advancement to Work Leader or Work Supervisor positions.

B2.2.1. Encourage journeyman to enroll in the Noncommissioned Officer Academy (NCOA) either in-residence or by correspondence course.

B2.3. Craftsman (C).

B2.3.1. Craftsmen may continue to advance their skills by completing additional training. They may be assigned job positions such as team leader, trainer, or task certifier. Craftsmen are encouraged to pursue leadership training and skills in order to qualify for potential advancement to Work Leader or Work Supervisor positions.

B2.3.2. Encourage craftsmen to continue academic education and complete Noncommissioned Officer Academy (NCOA) either in-residence or by correspondence course.

B2.3.3. A Master Craftsman is typically graded higher than WG-10 where skills, knowledge and abilities require higher technical abilities than standard craftsmen. They are duty/location specific and not for all job series.

PART I**B2.4. Work Leader (WL).**

B2.4.1. A Work Leader can be expected to perform limited functions of a First Line Supervisor or act as a Team Lead.

B2.4.2. Completion of AFIT Civilian Supervisors Course (WMGT 571) is highly encouraged.

B2.4.3. Should pursue increased knowledge of budget, manpower, resources, and personnel management.

B2.4.4. Recommend pursuit of additional higher education and completion of courses outside of their job series for career broadening opportunities.

B2.4.5. Encourage Work Leader to continue academic education and complete Noncommissioned Officer Academy (NCOA) either in-residence or by correspondence course.

B2.5. First Line Supervisor.

B2.5.1. A supervisor can be expected to fill positions such as the Element Chief or Special Projects Supervisor.

B2.5.2. Completion of AFIT Civilian Supervisors Course (WMGT 571) is highly encouraged.

B2.5.3. Should pursue increased knowledge of budget, manpower, resources, and personnel management.

B2.5.4. Recommend pursuit of additional higher education and completion of courses outside of their job series for career broadening opportunities.

B2.5.5. Encourage supervisors to continue academic education and complete Senior Noncommissioned Officer Academy (SNCOA) by correspondence.

B3. Correspondence Course Directions. Nonresident attendance for professional military education courses is accomplished through the Air Force Portal.

B3.1. Login to the AF Portal (<https://www.my.af.mil/>).

B3.2. Copy and paste the URL <https://www.my.af.mil/aurepmprod/auportal/welcome.AirUniversity> into your browser.

B3.3. Create an account and/or login.

B3.4. Once logged in, "Distance Learning" on the left hand side.

B3.5. Select the appropriate course.

PART I

B4. Wage Grade Career Field Pyramid.

Figure 1.



PART II

SECTION A - GROUP SERIES TRAINING STANDARD

A1. Purpose. The CFETP is designed to be a tool for supervisors to use in assessing the skill level of current and new employees. The CFETP may be used to document training and proficiency of the employee on associated task/s by the supervisor or certified trainer.

A1.1. Column 1 (*Tasks, Knowledge, and Technical References*). Lists the most common tasks, knowledge, and supporting technical references (TR) necessary for Airmen to perform duties in the Apprentice, Journeyman, Craftsman, and Supervisor level.

A1.2. Column 2 (*Tasks and Proficiency Codes*). Identifies duty position tasks (series training requirements) with a proficiency code and indicates training requirements. It shows the proficiency to be demonstrated on the job by the employee as a result of training on the task, knowledge and the career knowledge provided by formal courses, CDC, distance learning (DL) web-based training (WBT) and AFQTPs. CDC listing maintained by the unit education and training manager for current CDC listings.

A1.3. Column 3 (*Certification of Training*). Used to record completion of tasks and knowledge training requirements. Task certification requires the task to be trained by a trainer designated by the supervisor. The trainer can be either civilian or military. Use the automated training record application to document individual qualifications. The training start and completion date are documented, the task is signed by the trainee and either the workcenter supervisor, a Master Sergeant (or above) or the unit training manager. This action will complete the task certification.

Note: The “trainer” signing the record MUST be the workcenter supervisor, work leader, a Master Sergeant (or above) or the Unit Training Manager. This person does not necessarily train the task, but will ensure the training is conducted by a qualified trainer prior to completing task certification.

Note: If a workcenter supervisor, work leader, a Master Sergeant (or above) or the unit training manager are not available in a shop or unit to certify a task, the Operations Flight deputy commander will designate a certifier within the flight and grant the UTM role in AFTR so as to certify training tasks in AFTR. This person does not necessarily train the task, but will ensure the training is conducted by a qualified trainer prior to completing task certification.

A1.4. Qualitative Requirements. Contains the proficiency code key used to indicate the level of training and knowledge provided by WBT, resident training and career development courses.

A1.5. Job Qualification Standard (JQS). The Group Series Training Standard (GSTS) becomes the JQS for OJT when entries are made in the GSTS. For OJT, the tasks in Column 1 are trained and qualified to the go/no go level. “Go” means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct use of procedures. AFQTPs, when available, shall be used to identify Air Force standardized procedures. When used as a JQS, the following requirements apply:

A1.5.1. Documentation. Document and certify completion of training.

PART II

A1.6. Transcribing from previous versions to the new CFETP. Most items should transcribe automatically during the update of the new CFETP if AFTR is used to document training and certifications. The supervisor must conduct a review of the new GSTS to identify any new duty position tasks and add those tasks to their duty positions.

A1.6.1. Previous training certification not listed. If previous training certification is not listed in the individual record, select the parent task to be transcribed, check the task title(s) block, and click on the transcribe button. Enter the date of the original certification and sign off the task(s). The trainee will then sign off the task(s) to finalize the transcription of previous training certification.

A1.6.2. Transcribing external training certification. If a trainee attended a formal training course and received appropriate accreditation, select the 623 III section of the user's automated training record and locate the course title in the master task list, then enter the completion date. If the course title is not listed, contact the UTM to have it loaded from the master catalog. If it is not listed in the master catalog contact the Force Development Manager at AFCEC to have it loaded in the master catalog. Update MyBiz with additional training certificates through the self-certification process.

A1.6.3. Training Standard. Tasks are trained and certified to the "go" level. Go means the individual can perform the task without assistance and meets the local requirements for accuracy, timeliness, and correct use of procedures. AFQTPs, when available, shall be used to identify Air Force standardized procedures.

A2. Recommendations. This training plan is a living document. Comments and recommended changes are welcome. Recommendations for changes must be coordinated through the FDM and Functional Advisory Council (FAC) Wage Grade Panel for adjudication.

SECTION B - SUPPORT MATERIAL

B1. Air Force Qualification Training Packages.

B1.1. For a complete list of up-to-date AFQTPs applicable to the series, go to [CE-VLC](#).

B1.2. The UTM or supervisor can download paper-based AFQTP's. Paper-based AFQTP's can be found on the [CE-VLC](#) under the Library link and then by selecting Resources.

B1.2.1. In addition to the paper-based AFQTPs there are web-based courses or assessments developed for certain tasks that are available on the [CE-VLC](#) under the Course List link and Group Series topic area.

B1.3. CDC listings are maintained by the unit education and training manager for current CDC listings.

PART II**SECTION C – EDUCATION AND TRAINING COURSE INDEX**

C1. Purpose. This section of the CFETP identifies training courses available for the heavy equipment series. Refer to Education and Training Course Announcements (ETCA) web site for information on the Air Force in-residence and mobile courses. The web site address is <https://etca.randolph.af.mil/>.

J7AZP3E271 00AA - Pavements Maintenance, Inspection, and Repair – Mobile Training Team
AFIT WENG 555 - Airfield Pavement Construction and Inspection
WMGT 422 - Project Management
WMGT 436 - Operations Support
Crane Training (8-hr initial or 40-hr refresher)
Tractor Trailer Training (3T, 80-hr course)
Regional Equipment Operator Training Site

OFFICIAL

DAVID A. PERKINS, NH-04, DAF
Wage Grade Panel Co-Chair

GREGORY P. ZSEDENNY, WS-16, DAF
Wage Grade Panel Co-Chair

Attachments:

1. Qualitative Requirements (Proficiency Code Key)
2. Wage Grade Group Series Training Standard (GSTS)
3. Locally Developed Training Supplement

Attachment 1

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	
Printed Name Of Trainer/Training 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	
Explanations # - This mark is used to indicate training is provided in a formal course.		

Behavioral Statement GSTS Coding System	
Code	Definition
K	Subject Knowledge Training - The verb selection identifies the individual's ability to identify facts, state principles, analyze, or evaluate the subject.
P	Performance Training - Identifies that the individual has performed the task to the satisfaction of the trainer/certifier; however, the individual may not be capable of meeting the field requirements for speed and accuracy.
pk	Performance Knowledge Training - The verb selection identifies the individual's ability to relate advanced facts, procedures, operating principles, and operational theory for the task.
-	Assumes element knowledge and/or proficiency at the higher level

Attachment 2

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

1. CIVIL ENGINEER (CE) CORE CONCEPTS COURSE TR: CE Virtual Learning Center (CE-VLC); AFDD 2-4-2; AFIs 10-209, 10-210, 10-211, 32-1022, 36-2101, 38-101, 51-903; Enlisted Classification Directory; AF PAM 32-1004 Vol 1-6; War Mobilization Plan (WMP) 1, Annex S								
1.1. Civil Engineer (CE) 5-Level Core Concepts Course	K	-	-	-				
1.2. Civil Engineer (CE) 7-Level Core Concepts Course			K	-				
2. Contracting Officer Representative (COR) Duties TR: Federal Acquisition Regulation (FAR) Part 37.6, 46; AF FAR Supplement Part 5346; AFI 63-138; AFPAM 32-1006								
2.1. Duties and Responsibilities								
2.2. Knowledge of:								
2.2.1. Project planning phase			K	-				
2.2.2. Pre-project contractor walk through			K	-				
2.2.3. Evaluate contractor's performance			K	-				
3. AFS Specific Safety TR: AFIs 91-202/203/207, AFOSH STDs 48- 137, 48-20, 29 CFR 1910 subpart I								
3.1. Use protective equipment such as:								
3.1.1. Eye protectors	pk	-	-	-				
3.1.2. Ear protectors	pk	-	-	-				
3.1.3. Safety helmets	pk	-	-	-				
3.1.4. Respirators								
3.1.5. Gloves	pk	-	-	-				
3.1.6. Safety boots	pk	-	-	-				
3.1.7. Seat belts	pk	-	-	-				
3.2. Cardiopulmonary resuscitation (CPR)								
3.3. Employ safety principles when:								
3.3.1. Getting on/off equipment	K	-	-	-				
3.3.2. Starting/stopping engines	K	-	-	-				
3.3.3. Placing equipment in motion	K	-	-	-				
3.3.4. Operating in hazardous conditions	K	-	-	-				
3.3.5. Servicing equipment	K	-	-	-				

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Tnr
					Strt	Com	Init	Init

3.3.6. Loading equipment	K	-	-	-				
3.3.7. Unloading equipment	K	-	-	-				
3.3.8. Hauling equipment	K	-	-	-				
3.3.9. Adjusting equipment	K	-	-	-				
3.3.10. Loading material	K	-	-	-				
3.3.11. Unloading material	K	-	-	-				
3.3.12. Hauling material	K	-	-	-				
3.3.13. Electrical hazards and precautions	K	-	-	-				
3.4. Initial Federal Hazard Communication Training Program (FHCTP) TR: DoD 6050.5; AFI 90-821								
3.4. Construction safety:								
3.4.1. Traffic control	K	-	-	-				
3.4.2. Worksite safety	K	-	-	-				
3.4.3. Confined space health hazards	K	-	-	-				
3.4.4. Pavement repair health hazards	K	-	-	-				
4. AFS Specific Publications TR: TO 32-1-101, AFI 24-301								
4.1. Use technical orders/ commercial manuals and/or AF Form 1800 to:								
4.1.1. Perform operational checks	pk	-	-	-				
4.1.2. Perform maintenance	pk	-	-	-				
4.1.3. Locate part numbers in illustrated parts breakdown	K	-	-	-				
4.1.4. Find vehicle/equipment capacities, capabilities, parameters	K	-	-	-				
5. Communications TR: AFIs 13-204 V3, 13-213, 33-106 and AFVA 13-221								
5.1. Use radios	pk	-	-	-				
5.2. Use hand signals	pk	-	-	-				
6. Project Planning/Management Fundamentals TR: NTRP 4-04.2.5, TM 3-34.62, AFI 32-1023, USAF Project Managers Guide for Design and Construction (AFCEC), UFC 3-740-05								
6.1. Establish resource requirements:								
6.1.1. Identify Equipment requirements		K	-	-				
6.1.2. Identify Material requirements		K	-	-				
6.1.3. Interpret construction drawings			K	-				
6.1.4. Construction Stake Markings			K	-				

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Tnr
					Strt	Com	Init	Init

6.2. Soil fundamentals: TR: UFC 3-220-10N and 3-250-11; TM 3-34.64								
6.2.1. Soil types			K	-				
6.2.2. Soil construction properties			K	-				
6.2.3. Soil stabilization techniques			K	-				
6.3. Compute material requirements for:								
6.3.1. Fill		K	pk	-				
6.3.2. Subgrade/Base course		K	pk	-				
6.3.3. Asphalt (hot and cold mix)		K	pk	-				
6.3.4. Concrete		K	pk	-				
7. Powered Equipment TR: TM 3-34.62, TO 34Y series and applicable owner's manuals								
7.1. Perform operational checks	pk	-	-	-				
7.2. Perform operator maintenance	pk	-	-	-				
7.3. Use powered equipment:								
7.3.1. Vibratory tamper	P	-	-	-				
7.3.2. Pavement router (vertical/impact)	K	-	-	-				
7.3.3. Crack saw	K	-	-	-				
7.3.4. Portable concrete mixer	P	-	-	-				
7.3.5. Power screed	K	P	-	-				
7.3.6. Concrete saw	P	-	-	-				
7.3.7. K-12 saw	P	-	-	-				
7.3.8. Hot/cold joint sealing machine	P	-	-	-				
7.3.9. Chain Saw	P	-	-	-				
7.3.10. Saw Blades:								
7.3.10.1. Asphalt	P	-	-	-				
7.3.10.2. Concrete (cured/green)	P	-	-	-				
7.3.10.3. Wet/dry	P	-	-	-				
7.4. Air compressor:								
7.4.1. Perform operational checks	pk	-	-	-				
7.4.2. Perform operator's maintenance	pk	-	-	-				
7.4.3. Operate	P	-	-	-				
7.4.4. Use air compressor accessories:								
7.4.4.1. Pneumatic drill			K	-				
7.4.4.2. Pneumatic hammer with attachments	P	-	-	-				
7.4.4.3. Pneumatic tamper		K	-	-				
8. Earth Moving and Excavation Equipment TR: TM 3-34.62, STP 5- 6J12, TC 21-305-20, AFMAN 24- 306(I)								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

8.1. Dump trucks:								
8.1.1. Perform operational checks	pk	-	-	-				
8.1.2. Perform operator's maintenance	pk	-	-	-				
8.1.3. Operate:								
8.1.3.1. Haul material	P	-	-	-				
8.1.3.2. Dump material	P	-	-	-				
8.1.3.3. Spread material	P	-	-	-				
8.1.3.4. Tow equipment	P	-	-	-				
8.1.3.5. Tailgate:								
8.1.3.5.1. Removal	P	-	-	-				
8.1.3.5.2. Installation	P	-	-	-				
8.2. Wheel mounted front-end loaders:								
8.2.1. Perform operational checks	pk	-	-	-				
8.2.2. Perform operator's maintenance	pk	-	-	-				
8.2.3. Operate:								
8.2.3.1. Load material into dump truck	P	-	-	-				
8.2.3.2. Level area		P	-	-				
8.2.3.3. Spread materials		P	-	-				
8.2.3.4. Stockpile materials	P	-	-	-				
8.2.3.5. Backfill		P	-	-				
8.2.3.6. Clamshell bucket		P	-	-				
8.2.3.7. Excavate		P	-	-				
8.2.4. Operate with forklift attachment:								
8.2.4.1. Load/unload materials	P	-	-	-				
8.2.4.2. Transport materials	P	-	-	-				
8.2.5. Move material using:								
8.2.5.1. Boom								
8.2.5.2. Blade								
8.2.6. Change attachments on loaders	P	-	-	-				
8.3. Skid steer loader:								
8.3.1. Perform operational checks		pk	-	-				
8.3.2. Perform operator's maintenance		pk	-	-				
8.3.3. Operate using attachments such as:								
8.3.3.1. Impactor		P	-	-				
8.3.3.2. Bucket		P	-	-				
8.3.3.3. Forklift		P	-	-				
8.3.3.4. Earth auger		K	-	-				
8.3.3.5. Backhoe		K	-	-				
8.3.3.6. Sweeper		K	-	-				
8.3.4. Perform functions such as:								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

8.3.4.1. Excavating		P	-	-				
8.3.4.2. Backfilling		P	-	-				
8.3.4.3. Leveling		P	-	-				
8.3.4.4. Load materials		P	-	-				
8.3.5. Change attachments on skid steer loader		P	-	-				
8.4. Motorized Scrapers TR: 36C22-2/3 Series								
8.4.1. Perform operational checks		K	-	-				
8.4.2. Perform operator's maintenance		K	-	-				
8.4.3. Operate:								
8.4.3.1. Excavate		K	-	-				
8.4.3.2. Haul material		K	-	-				
8.4.3.3. Dump material		K	-	-				
8.4.3.4. Spread material		K	-	-				
8.5. Graders:								
8.5.1. Perform operational checks		pk	-	-				
8.5.2. Perform operator's maintenance		pk	-	-				
8.5.3. Perform grader operations such as:								
8.5.3.1. Ditching		K	-	-				
8.5.3.2. Sloping banks		K	-	-				
8.5.3.3. Spreading materials in articulated mode		P	-	-				
8.5.3.4. Leveling materials		P	-	-				
8.5.3.5. Maintaining unpaved surfaces		P	-	-				
8.5.3.6. Finish grading			P	-				
8.5.3.7. Scarifying materials		P	-	-				
8.5.3.8. Mixing materials		P	-	-				
8.6. Crawler tractor:								
8.6.1. Perform operational checks		pk	-	-				
8.6.2. Perform operator's maintenance		pk	-	-				
8.6.3. Perform crawler tractor operations such as:								
8.6.3.1. Stockpiling		P	-	-				
8.6.3.2. Leveling		P	-	-				
8.6.3.3. Ditching		K	-	-				
8.6.3.4. Ripping		K	-	-				
8.6.3.5. Winching		K	-	-				
8.6.3.6. Clearing		K	-	-				
8.6.3.7. Bank sloping		K	-	-				
8.6.3.8. Tow equipment		K	-	-				
9. Material Handling Equipment								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

9.1. Tractor trailer combinations: TR: Title 49 CFR, Federal Motor Carrier Safety Administration, AFI 24-301, TC 21-305-20 [AFMAN 24-306(I)], TC 21-305-100, STP 5- 62J12								
9.1.1. Perform operational checks			pk	-				
9.1.2. Perform operator's maintenance			pk	-				
9.1.3. Operate:								
9.1.3.1. Couple/uncouple trailer			P	-				
9.1.3.2. Backing			P	-				
9.1.3.3. Over the road			P	-				
9.1.4. Transport and secure equipment/materials:								
9.1.4.1. Load/unload construction equipment			pk	-				
9.1.4.2. Secure construction equipment using chains and binders			pk	-				
9.1.4.3. Load/unload construction material			pk	-				
9.1.4.4. Secure construction materials using cargo straps			pk	-				
9.1.4.5. Utilize cribbing								
9.2. Forklift (FL) TR: AFI 91-203, AFQTP (Forklift)								
9.2.1. Perform operational checks	pk	-	-	-				
9.2.2. Perform operator's maintenance	pk	-	-	-				
9.2.3. Move material/ equipment using:								
9.2.3.1. All Terrain (AT) FL	P	-	-	-				
9.2.3.2. Under 10K FL	P	-	-	-				
9.2.3.3. 10K and over FL	K	-	-	-				
9.2.3.4. 463L capable								
9.3. Hydraulic telescopic cranes: TR: FM 5-434, AFI 91-203, TOs 36C3/23, 36Y2								
9.3.1. General:								
9.3.1.1. Perform operational checks			pk	-				
9.3.1.2. Perform operator's maintenance			pk	-				
9.3.1.3. Operate crane carrier			pk	-				
9.3.1.4. Interpret load charts			pk	-				
9.3.1.5. Setup and maneuver			pk	-				
9.3.1.6. Hand signals		K	-	-				
9.3.1.7. Safety requirements		K	-	-				
9.3.2. Operate with:								
9.3.2.1. Multi-parts-line Hook block		K	-	-				

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

9.3.2.2. Boom extension (jib)		K	-	-				
9.3.2.3. Single-line hook (headache ball)		K	-	-				
9.3.2.4. Dielectric boom shield		K	-	-				
9.3.2.5. Clamshell		K	-	-				
9.3.3. Install and remove cables		K	-	-				
10. Rigging and Lifting TR: FM 5-434 & 5-125, AFI 91-203								
10.1. Identify the handling characteristics and inspection requirements of:								
10.1.1. Chains			pk	-				
10.1.2. Wire ropes			pk	-				
10.1.3. Nylon slings			pk	-				
10.2. Rig loads to be lifted using:								
10.2.1. Chains		P	-	-				
10.2.2. Wire rope		P	-	-				
10.2.3. Nylon slings		P	-	-				
10.2.4. Spreader bars		P	-	-				
10.2.5. Lifting beams		P	-	-				
10.3. Move/manipulate loads using:								
10.3.1. Taglines		P	-	-				
11. Support Equipment								
11.1. Industrial tractors:								
11.1.1. Perform operational checks		K	-	-				
11.1.2. Perform operator's maintenance		K	-	-				
11.1.3. Operate with attachments such as:								
11.1.3.1. Dragbox		K	-	-				
11.1.3.2. Earth auger		K	-	-				
11.1.4. Tow equipment		K	-	-				
11.2. Asphalt pavers:								
11.2.1. Perform operational checks		K	-	-				
11.2.2. Perform operator's maintenance		K	-	-				
11.2.3. Plan paving operations		K	-	-				
11.2.4. Operate self-propelled paver		K	-	-				
11.3. Liquid Material Distributors: TR: TO 36C5 and 36C20 Series, STP 5-62J12								
11.3.1. Water distributor:								
11.3.1.1. Perform operational checks		P	-	-				
11.3.1.2. Perform operator's maintenance		P	-	-				
11.3.1.3. Perform operations such as:								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init
11.3.1.3.1. Gravity feed		P	-	-				
11.3.1.3.2. Pressure spray		P	-	-				
11.3.1.3.3. Fill from hydrant		P	-	-				
11.3.1.3.4. Fill from stand		P	-	-				
11.3.1.3.5. Suction fill		K	-	-				
11.4. Sweepers: TR: TO 36C25 Series								
11.4.1. Towed sweepers:								
11.4.1.1. Perform operational checks		P	-	-				
11.4.1.2. Perform operator's maintenance		P	-	-				
11.4.1.3. Operate		P	-	-				
11.4.2. Front-mounted sweepers:								
11.4.2.1. Perform operational checks		P	-	-				
11.4.2.2. Perform operator's maintenance		P	-	-				
11.4.2.3. Operate		P	-	-				
11.4.3. Multi-purpose sweepers:								
11.4.3.1. Perform operational checks	pk	-	-	-				
11.4.3.2. Perform operator's maintenance	pk	-	-	-				
11.4.3.3. Perform sweeper maintenance:								
11.4.3.3.1. Change brooms	P	-	-	-				
11.4.3.3.2. Change Wearing Surfaces:								
11.4.3.3.2.1. Skid plates	P	-	-	-				
11.4.3.3.2.2. Curtains	P	-	-	-				
11.4.3.3.3. Adjust hood	P	-	-	-				
11.4.3.3.4. Adjust broom	P	-	-	-				
11.4.3.3.5. Clean sweeper	P	-	-	-				
11.4.3.4. Operate on:								
11.4.3.4.1. Airfield TR: AFI 13-213								
11.4.3.4.2. Street	P	-	-	-				
11.4.3.5. Operate suction hose attachment	P	-	-	-				
11.5. Compaction Equipment TR: TO 36C20 Series								
11.5.1. Perform operational checks		pk	-	-				
11.5.2. Perform operator's maintenance		pk	-	-				
11.5.3. Compact earthen materials using:								
11.5.3.1. Pneumatic tired roller		P	-	-				
11.5.3.2. Sheepfoot roller		K	-	-				
11.5.3.3. Steel wheel vibratory roller		P	-	-				
12. Excavating/Trenching Machines TR: TO 36C6, 36C12 & 36C37 Series,								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

FM 5- 434, STP 5-62J12, AFI 91-203, 29 CFR 1926.650-652								
12.1. Shoring applications		K	-	-				
12.2. Backhoe:								
12.2.1. Perform operational checks		pk	-	-				
12.2.2. Perform operator's maintenance		pk	-	-				
12.2.3. Perform backhoe operations such as:								
12.2.3.1. Excavate with front bucket			P	-	P			
12.2.3.2. Excavate with rear bucket		P	-	-	P			
12.2.3.3. Partial depth removal		P	-	-	P			
12.2.3.4. Load with front bucket		P	-	-	P			
12.2.3.5. Load with rear bucket		P	-	-	P			
12.2.3.6. Backfill with front bucket		P	-	-	P			
12.2.3.7. Backfill with rear bucket			P	-	P			
12.2.3.8. Break material with Impactor								
12.3. Hydraulic excavator:								
12.3.1. Perform operational checks		pk	-	-				
12.3.2. Perform operator's maintenance		pk	-	-				
12.3.3. Perform excavator operations such as:								
12.3.3.1. Excavate with bucket		pk	-	-				
12.3.3.2. Load with bucket		pk	-	-				
12.3.3.3. Backfill with bucket/dozer blade		pk	-	-				
12.3.3.4. Compact materials		pk	-	-				
12.3.3.5. Break materials with Impactor		P	-	-				
12.3.3.6. Lift/position loads		P	-	-				
12.3.4. Change excavator attachments such as:								
12.3.4.1. Bucket		P	-	-				
12.3.4.2. Impactor		P	-	-				
12.3.4.3. Compactor		P	-	-				
12.4. Trenching machines:								
12.4.1. Perform operational checks		P	-	-				
12.4.2. Perform operator's maintenance		P	-	-				
12.4.3. Perform operations such as:								
12.4.3.1. Trenching		P	-	-				
12.4.3.2. Backfilling		P	-	-				
13. Snow and Ice Control: TR:AFI 32-1002 & 13-204 V3								
13.1. Snow and ice control procedures:								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

13.1.1. Snow and Ice Control Plan		K						
13.1.2. Airfield paved surfaces		K						
13.1.3. Non-airfield surfaces		K						
13.2. Remove snow using:								
13.2.1. Snow blowers		P						
13.2.2. Snow plows		P						
13.2.3. Snow sweepers		P						
13.2.4. Multi-purpose snow removal unit		P						
13.3. Perform ice control operations:		K						
13.3.1. Mechanical equipment		K						
13.3.2. Chemicals		K						
13.3.3. Abrasives		K						
13.4. Runway Ice Detection System								
13.5. Snow & Ice Control System (SNIC)								
13.6. Snow blowers:								
13.6.1. Perform operational checks		P						
13.6.2. Perform operator's maintenance		P						
13.6.3. Operate		P						
13.7. Snow plows:								
13.7.1. Perform operational checks		P						
13.7.2. Perform operator's maintenance		P						
13.7.3. Operate		P						
13.8. Snow sweepers:								
13.8.1. Perform operational checks		P						
13.8.2. Perform operator's maintenance		P						
13.8.3. Operate		P						
13.9. Multi-purpose snow removal unit:								
13.9.1. Perform operational checks		P						
13.9.2. Perform operator's maintenance		P						
13.9.3. Operate		P						
13.9.4. Change attachments		P						
13.10. Environmental concerns:								
13.10.1. Chemicals		K						
13.10.2. Abrasives		K						
14. Construct Paved Surfaces: TR: UFCs 3-250-01/03/04, 3-270-08, FMs 5-428, 5-436 ETL 11-26, Asphalt Institute, The Asphalt Handbook, Portland Cement Association, Design and Control of Concrete Mixtures								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

14.1. Layout the area using:								
14.1.1. Line level	P	-	-	-				
14.1.2. Laser level	K							
14.1.3. Carpenter hand level	P							
14.2. Prepare area as indicated by construction stakes:								
14.2.1. Clear the area using hand tools	P	-	-	-				
14.2.2. Clear the area using construction equipment	P	-	-	-				
14.2.3. Prepare subgrade	P	-	-	-				
14.2.3.1. Stabilize using:								
14.2.3.1.1. Mechanical	K							
14.2.3.1.2. Chemical	K							
14.2.3.2. Compact	P							
14.2.4. Prepare base course:								
14.2.4.1. Place materials	P	-	-	-				
14.2.4.2. Compact materials	P	-	-	-				
14.3. Rigid pavement/Portland Cement Concrete (PCC)								
14.3.1. Types of concrete materials		K	-	-				
14.3.2. Standard concrete mix	P	-	-	-				
14.3.3. Construct concrete slab:								
14.3.3.1. Install forms	P	-	-	-				
14.3.3.2. Lubricate forms before use	P							
14.3.3.3. Install reinforcing materials:								
14.3.3.3.1. Wire mesh		P	-	-				
14.3.3.3.2. Rebar		P	-	-				
14.3.3.4. Install load transfer devices:								
14.3.3.4.1. Keyways		K						
14.3.3.4.2. Dowels		K						
14.3.3.5. Place concrete	P	-	-	-				
14.3.3.6. Fabricate joints		P	-	-				
14.3.3.7. Finish concrete:								
14.3.3.7.1. Trowel		P	-	-				
14.3.3.7.2. Non-Skid		P	-	-				
14.3.3.8. Cure concrete		P	-	-				
14.3.3.9. Remove/clean/oil forms	P	-	-	-				
14.3.3.10. Landscape site	P	-	-	-				
14.3.4. Repair defective rigid pavement TR: UFC 3-250-06, 3-270-04								
14.3.4.1. Perform full depth pavement repair:								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

14.3.4.1.1. Identify defective pavement	P	-	-	-				
14.3.4.1.2. Cut pavement using concrete saw	P	-	-	-				
14.3.4.1.3. Break pavement jack-hammer	P	-	-	-				
14.3.4.1.4. Remove pavement	P	-	-	-				
14.3.4.2. Prepare the area:								
14.3.4.2.1. Remove/replace base course	P	-	-	-				
14.3.4.2.2. Remove/replace subgrade	P	-	-	-				
14.3.4.2.3. Replace load transfer devices		P	-	-				
14.3.4.2.4. Replace reinforcement material		P	-	-				
14.3.4.3. Replace concrete:								
14.3.4.3.1. Mix concrete using:								
14.3.4.3.1.1. Hand tools	P	-	-	-				
14.3.4.3.1.2. Portable concrete mixer	P	-	-	-				
14.3.4.3.2. Expansion material	P	-	-	-				
14.3.4.3.3. Place concrete	P	-	-	-				
14.3.4.3.4. Finish concrete		P	-	-				
14.3.4.3.5. Cure concrete		P	-	-				
14.3.5. Perform partial depth/spall repair TR: UFC 3-270-03								
14.3.5.1. Identify defective pavement	P	-	-	-				
14.3.5.2. Cut pavement using concrete saw	P	-	-	-				
14.3.5.3. Break pavement using jack hammer	P	-	-	-				
14.3.5.4. Remove pavement	P	-	-	-				
14.3.5.5. Mix/place patch materials	P	-	-	-				
14.3.6. Repair defective sealing material TR: UFC 3-250-08FA								
14.3.6.1. Prepare joints/cracks for sealing:								
14.3.6.1.1. Remove existing sealant using:								
14.3.6.1.1.1. Vertical router		P	-	-				
14.3.6.1.1.2. Impact router		P	-	-				
14.3.6.1.1.3. Crack saw		P	-	-				
14.3.6.2. Saw or reface the joint using concrete saw		P	-	-				
14.3.6.3. Clean joints/cracks with:								
14.3.6.3.1. High pressure water	P	-	-	-				
14.3.6.3.2. High pressure air	P	-	-	-				
14.3.6.4. Reseal joints/cracks:								
14.3.6.4.1. Install backer materials	P	-	-	-				

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

14.3.6.4.2. Apply cold sealants	P	-	-	-				
14.3.6.4.3. Apply Hot sealants	P	-	-	-				
14.4. Flexible pavements/Asphalt Cement Concrete (ACC)								
14.4.1. Construct with bituminous materials (new construction)								
14.4.1.1. Types		K	-	-				
14.4.1.2. Uses		K	-	-				
14.4.1.3. Environmental concerns		P	-	-				
14.4.1.4. Apply prime coat		P	-	-				
14.4.1.5. Determine asphalt temperatures		P	-	-				
14.4.1.6. Place asphalt		P	-	-				
14.4.1.7. Asphalt concrete lifts:								
14.4.1.7.1. Binder course		K	-	-				
14.4.1.7.2. Wear course		K	-	-				
14.4.1.8. Compact asphalt	P	-	-	-				
14.4.2. Repair defective pavement TR: UFC 3-270-01								
14.4.2.1. Identify the area	P	-	-	-				
14.4.2.2. Cut area	P	-	-	-				
14.4.2.3. Remove pavement	P	-	-	-				
14.4.2.4. Prepare subgrade	P	-	-	-				
14.4.2.5. Prepare base	P	-	-	-				
14.4.2.6. Apply prime/tack coat	P	-	-	-				
14.4.2.7. Place asphalt	P	-	-	-				
14.4.2.8. Compact asphalt	P	-	-	-				
14.4.3. Repair cracks in flexible pavements TR: UFC 3-250-08FA, 3-270-02								
14.4.3.1. Prepare cracks using:								
14.4.3.1.1. Vertical router	P	-	-	-				
14.4.3.1.2. Impact router	P	-	-	-				
14.4.3.1.3. Crack saw	P	-	-	-				
14.4.3.1.4. Clean area using high pressure air	P	-	-	-				
14.4.3.2. Seal cracks using:								
14.4.3.2.1. Hot applied sealant	P	-	-	-				
14.4.3.2.2. Cold applied sealant	P	-	-	-				
14.4.3.2.3. Apply surface treatments								
14.4.3.2.3.1. Fog seal		K	-	-				
14.4.3.2.3.2. Slurry seal		K	-	-				
14.4.3.2.3.3. Chip seal		K	-	-				

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Trnr
					Strt	Com	Init	Init

15. Drainage Systems: TR: ETL 04-6, UFC 3-260-02 & 3-230-17FA								
15.1. Surface drainage:								
15.1.1. Construct		P	-	-				
15.1.2. Inspect		P	-	-				
15.1.3. Repair		P	-	-				
15.2. Sub-surface drainage:								
15.2.1. Install		P	-	-				
15.2.2. Inspect (operational)		P	-	-				
15.2.3. Repair		P	-	-				
16. Fences: TR:AFMAN 32-1084, AFI 31-101								
16.1. Install:								
16.1.1. Chain link	pk	-	-	-				
16.1.2. Barbed wire	pk	-	-	-				
16.1.3. Snow fence	pk	-	-	-				
16.2. Inspect:								
16.2.1. Chain link	pk	-	-	-				
16.2.2. Barbed wire	pk	-	-	-				
16.3. Repair:								
16.3.1. Chain link	P	-	-	-				
16.3.2. Barbed wire	P	-	-	-				
17. AFSC Specific Expeditionary Responsibilities: TR: AFPAM 10-219, AFIs 10-209, 10-210, 10-211, 10-2503, WMP-1, AFH 10-222, UFC 3-270-07, ETL 07-2								
17.1. Airfield Damage Repair (ADR):								
17.1.1. ADR philosophy			K	-				
17.1.2. ADR organization			K	-				
17.1.3. AFS Specific UTCs			K	-				
17.1.4. Repair procedures:								
17.1.4.1. Crater repair/RQC			K	-				
17.1.4.2. AM-2 matting								
17.1.4.3. Fiberglass mat								
17.1.4.4. Spall repair			K	-				
17.2. Contingency oxyacetylene cutting:								
17.2.1. Oxyacetylene cutting applications:								
17.2.1.1. Set up								
17.2.1.2. Perform cutting operations								
17.2.1.3. Disassemble								

1. Tasks, Knowledge and Technical References	2. Duty Position Tasks and Proficiency Codes				3. Certification of Training			
	A/H	J	C/WL	S	Trng	Trng	Trne	Tnr
					Strt	Com	Init	Init

17.3. Passive defense measures/splinter protection construction: TR: TO 35E4-170-2, AFPAM 10-219								
17.3.1. Primary revetment materials								
17.3.2. Expedient revetment materials								
17.3.3. Construct kit-type revetments:								
17.3.3.1. A-1								
17.3.3.2. B-1								
17.3.3.3. Expandable bin type revetment								
17.3.3.4. Pre-cast modular concrete								
17.4. Expedient field construction:								
17.4.1. Sanitary landfill TR: UFC 3-240-10A								
17.4.2. Berms and dikes:								
17.4.2.1. Construct berm								
17.4.2.2. Ammunition pads								
17.4.2.3. Construct dike								
17.4.2.4. Fuel bladders								
17.4.2.5. Maintain								
17.4.3. Waste water disposal TR: UFC 3-240-02:								
17.4.3.1. Oxidation lagoon								
17.4.3.2. Evaporation lagoon								
17.4.3.3. Storm water control								
17.4.4. Roadwork:								
17.4.4.1. Drainage structures								
17.4.4.2. Soil cement road								
17.5. Expedient bed down methods:								
17.5.1. Small Shelter System (SSS):								
17.5.1.1. Assemble								
17.5.1.2. Disassemble								
17.5.2. Medium Shelter System:								
17.5.2.1. Assemble								
17.5.2.2. Disassemble								
17.5.3. Reconstitute shelter systems								
18. Civilian Supervision Requirements								
18.1. Civilian Supervisor Course				X				
18.2. WMGT 571 Course				X				
ANY ADDITIONAL REQUIREMENTS CAN BE ADDED HERE								

Attachment 3

Locally Developed Training Supplement