Air Force Specialty Code (AFSC) 4E0X1

PUBLIC HEALTH

CAREER FIELDEDUCATION
AND TRAINING PLAN

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PART II

Summary of Changes: ***This document has been substantially revised and must be reviewed in its entirety.*** Several major changes include: removal of tasks related to preventive health assessments; addition of tasks related to Potable Water Sources in a Deployed/Humanitarian Environment; addition of tasks related to Thermal stress in a Deployed/Humanitarian Environment; addition of tasks related to Water Vulnerability Assessments (WVA) in Deployed/Humanitarian Environments; addition of tasks related to Occupational and Environmental Health Site Assessment (OEHSA) in Deployed/Humanitarian Environments; addition of Feral animal risk mitigation; addition of tasks related to Cottage Food operations and Installation food events; and updated references for each section.

Part I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life cycle education and training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP provides personnel a clear career path to success and instills rigor in all aspects of career field training. Note: Civilians occupying associated positions use Part II to support duty position qualification training.

2. The CFETP consists of two parts; supervisors plan, manage, and control training within the 4E0X1 specialty using both parts of the plan.

   2.1. Part I provides information necessary for overall management of the specialty. Section A explains how will individuals use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, experience, training, and other); and Section D indicates resource constraints. Some examples are funds, manpower, equipment, facilities; Section E identifies transition training guide requirements for SSgt through MSgt.

   2.2. Part II includes the following: Section A: identifies the Specialty Training Standard and includes duties, tasks, Technical References to support training, USAFSAM conducted training, wartime course and core task and correspondence course requirements. Section B: contains the Course Objective List and training standards supervisors use to determine if Airmen satisfied training requirements. Section C: identifies available support materials. An example is a Qualification Training Package, which may be developed to support proficiency training; Section D identifies a training course index supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses; Section E identifies Major Command unique training requirements supervisors can use to determine additional training required for the associated qualification needs. At unit level, supervisors and trainers use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

3. Using guidance provided in the CFETP ensures individuals in this specialty receive effective and efficient training at the appropriate points in their career. This plan enables us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

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

Air Force Career Field Manager (AFCFM). An individual on the Headquarters United States AF staff who is responsible for career development programs, functional management and utilization, specialty standards and requirements, training, and force management for an Air Force Specialty (4E0X1). This includes identifying the task requirements and training for an AF specialty (AFS) or occupational series. This individual will review and/or approve all proposed changes to specialties within their career field.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS/Command Job Qualification Standard are common to all persons serving in the described duty position. Air Force Specialty (AFS). A group of duty positions that require common qualifications identified by a title and code.

Air Force Specialty Code (AFSC). A combination of alpha-numeric characters which are used to identify a specific career field and qualification level for Air Force officers and enlisted personnel.

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

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certifying Official. A person whom the commander assigns to determine an individual's ability to perform a task to required standards.

Comprehensive Medical Readiness Program (CMRP). Formerly Readiness Skills Verification (RSV). CMRP is a program designed to maintain readiness core competencies for all Public Health personnel.

Note: Refer to CMRP Kx website for readiness training requirements:
https://kx.health.mil/kj/kx9/CMRP/Pages/RSVP_Checklists_Enlisted.aspx

Core Task. A task AFCFMs identify as a minimum qualification requirement within an Air Force specialty or duty position. Core Tasks for the AFS can be either task- or knowledge-based and are the STS line items fundamental to meeting these core competencies. Core tasks are common to all required to perform Public Health functions. The skills (or knowledge) must be trained, maintained, and certified, regardless of duty position/location and are based upon skill level.

Initial Skills Training. A formal school course which results in award of a 3-skill level AFSC for enlisted personnel.

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

MAJCOM Functional Manager (MFM). An individual at the MAJCOM level who is responsible for identifying task and training requirements for an AFS or Occupational Series and is responsible for validating intelligence requirements, command assignment entitlements, technical school graduate assignments and matching available manpower resources to meet the MAJCOM's needs.

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

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

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

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

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

Skills Training. A formal course that results in the award of a skill level.

Specialty Training Requirements Team (STRT)/Utilization & Training Workshop (U&TW). A forum co-chaired by the AFCFM, comprised of MAJCOM Functional

Managers, Subject Matter Experts (SMEs), and USAFSAM training personnel that determines education and training requirements and establishes the most effective mix of formal and on-the-job training for their AFSC. The forum will create or revise training standards, and set responsibilities for providing training. As a quality control tool, the STRT/U&TW will be used to ensure the validity and viability of the AFS training that determines career ladder training requirements.

Specialty Training. A combination of formal training (technical school) and informal training (on-the-job) to qualify and upgrade Airmen in the award of a skill level.

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

Supplemental Training. Formal training on equipment, methods, and technology not suited for on-the-job training and not included in AFS upgrade training.

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

REFERENCES

AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted)*

AFH 36-2618, *The Enlisted Force Structure*

AFI 36-2670, *Total Force Development*

Section A. General Information

1. Purpose. This CFETP provides the information necessary for the Air Force 4E0X1 Career Field Manager, 4E0X1 Major Command (MAJCOM) Functional Managers, commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective and efficient career field training program. The plan outlines the training individuals in this Air Force Specialty should receive in order to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced and proficiency training. Initial skills training is the Air Force Specialty specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill level. Qualification training is actual hands-on task performance training designed to qualify an Airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills and knowledge required to do the job. Advanced training is formal specialty training used for selected Airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the- job training provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes—some are:

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

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

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

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

2. Uses. The plan is used by 4E0X1 MAJCOM Functional Managers and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. USAFSAM training personnel develop or revise formal resident, nonresident, field and exportable training based upon requirements established by the users and documented in Part II of the career field education and training plan. They also work with the Air Force Career Field Manager to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. 4E0X1 MAJCOM Functional Managers ensure their training programs complement the career field education and training plan mandatory initial, upgrade, and proficiency requirements. On-the-job Training, resident training, and contract training or exportable courses can satisfy identified requirements.

2.3. Each individual completes the mandatory training requirements specified in this plan. The list of courses in Part II is used as a reference to support training.

2.4. Converting to a New CFETP. Transcribing. Transcribing documentation to a new CFETP is an administrative function, not a re-evaluation of training. Therefore, supervisor and trainer are considered synonymous for the purpose of documentation. Transcribe within 120 days (240 days for ARC) of CFETP revision date or from date revision is posted to automated training records system.

3. Coordination and Approval. The Air Force 4E0X1 Career Field Manager is the approval authority. Also, the Air Force 4E0X1 Career Field Manager will initiate an annual review of this document to ensure currency and accuracy. MAJCOM representatives and USAFSAM training personnel will identify and coordinate on the career field training requirements. Using the list of courses in Part II ensures elimination of duplicate training.

1. Specialty Description.

1.1. Specialty Summary. Manages and performs public health activities and programs in support of the Air Force Operational Medicine Program. There are two major divisions within Public Health: Community Health Management and Force Health Management. Community Health Management encompasses communicable disease control and prevention, food safety and defense, medical entomology, facility sanitation, and public health contingency response. Force Health Management encompasses medical deployment clearance processing in Aeromedical Services Information Management Systems (ASIMS), and administrative oversight of occupational health examinations (including performing audiograms). Related DoD Occupational Subgroup: 132200.

1.2. Duties and Responsibilities:

1.2.1. Community Health Management:

1.2.1.1. Organizes and assists in communicable disease prevention and control programs. Controls disease transmission through patient interviews, epidemiological investigations, patient education and community outreach programs. Advises professionals on control measures. Updates and completes associated records and forms. Investigates disease outbreaks. Collects and compiles epidemiological data. Identifies, evaluates, and reports trends.

1.2.1.2. Conducts food safety and defense programs. Inspects sanitary condition of containers and vehicles. Ensures food origin and distribution are from approved sources. Inspects foods for wholesomeness and contract compliance. Makes recommendations for disposition of deteriorated or distressed foods. Assesses risks associated with production, transportation, storage, preparation and serving of food. Recommends measures to prevent contamination (unintentional as well as intentional), deterioration and completes Food Vulnerability Assessments. Inspects operational rations. Collects and ships food for laboratory analysis. Investigates customer complaints and food recalls. Evaluates and completes inspection records.

1.2.1.3. Plans and conducts medical entomology program. Evaluates vector-borne disease risk. Conducts disease and pest/vector surveillance. Monitors compliance and effectiveness of vector and pest management control measures. Recommends prevention and control measures. Provides education and training on prevention and control of vector-borne diseases.

1.2.1.4. Plans and conducts sanitation programs. Conducts sanitary evaluations of food, public facilities, and military and civilian contract aircraft. Determines compliance with sanitary standards and reports discrepancies. Provides food handler, disease outbreak, and community health education and training.

1.2.1.5. Plans, organizes, and conducts public health contingency response programs.

1.2.2. Force Health Management:

    1.2.2.1. Assists in Occupational Health Programs. Ensures personnel receive appropriate pre-employment, periodic and termination occupational examinations.

    1.2.2.2. Conducts occupational audiometric evaluations. Provides consultation to supervisors and workers in personal hygiene, occupational hazards, hazard communications and personal protective equipment. Monitors results of occupational health examinations to detect adverse trends. Investigates occupational illnesses and assists with completion of fitness and risk evaluations. Advises healthcare providers on workplace hazards. Manages and provides quality control of occupational health examinations. Conducts shop visits at the discretion of the Occupational & Environmental Health Working Group.

    1.2.2.3. Provides administrative oversight to the ASIMS program. Grants access to authorized medical group personnel. Maintains Commander Designee requests from non-medical users (e.g. Unit Deployment Managers, Unit Health Monitors, Unit Fitness Program Managers, First Sergeants and Commanders.

    1.2.2.4. Plans and conducts deployment medicine programs. Oversees medical clearances for deploying personnel. Provides deploying personnel with medical intelligence briefs to include the threat of vector borne disease and prevention; use of personal protective equipment. Also oversees medical reintegration by ensuring all re-deployers complete required post-deployment medical requirements.

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

2.1. *Apprentice (3-Skill) Level*: Initial skills training in this specialty consists of the task and knowledge training provided in the 3-skilI level resident course. Following completion of initial skills training, the 4E011 "helper" level Airman is awarded the 4E031 apprentice skill level. The immediate supervisor will manage the member's 5-skill level upgrade training curriculum to include CDC enrollment and fulfillment of OJT requirements.

2.2. *Journeyman (5-Skill) Level:* Complete mandatory Career Development Courses, mandatory core tasks and any tasks identified by the supervisor as needed for upgrade in the CFETP/Master Training Plan (see part 1 and 2 of the CFETP). Supervisors may identify and standardize local tasks for upgrade. Award of the 5-skill level requires completion of mandatory requirements listed in the AF Enlisted Classification Directory, a supervisor recommendation and commander approval. Individuals in retraining status, Training Status Code ("F") are subject to the same training requirements.

2.3. *Craftsman (7-Skill) Level:* Be at least a staff sergeant (SSgt) select, complete mandatory core tasks and any tasks identified by the supervisor as needed for upgrade in the CFETP/Master Training Plan (see part 1 and 2 of the CFETP). Supervisors may identify and standardize local tasks for upgrade Individuals in retraining status (Training Status Code "G") are subject to the same training requirements.

2.4. *Superintendent (9-Skill) Level*: SMSgts are experienced, operational leaders skilled at merging teams' talents, skills, and resources with other organizations. SMSgts continue to develop their leadership and management skills and earn their 9-skill level after satisfying the requirements of AFI 36-2101, *Classifying Military Personnel (Officer and Enlisted).*

3. **Training Decisions**. The career field education and training plan uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Public Health career field. The spectrum includes a strategy for when, where, and how to meet the training requirements. The strategy should be apparent and affordable to reduce duplication of training and eliminate a disjointed approach to training. Training decisions for the 4E0X1 career field were made during the 8 Apr 19 -12 Apr 19 Public Health Career Field Specialty Training Team Requirements Workshop (STTRW).

   3.1. Initial Skills training: The initial AFSC-awarding training is developed and taught by the USAF School of Aerospace Medicine (USAFSAM). During the April 2019 STTRW, initial skills proficiency codes were appropriately aligned with USAFSAM curriculum.

   3.2. Five-Level Upgrade Requirements: During the April 2019 STTRW, substantial changes were made to core task and proficiency code requirements.

   3.3. Seven-Level Upgrade Requirements: During the April 2019 STTRW, substantial changes were made to core task and proficiency code requirements.

   3.4. Proficiency Training: Any additional knowledge and skill requirements, which were not taught through initial skills or UGT, were assigned to continuation training. The purpose of the continuation-training program is to provide additional training exceeding the minimum UGT requirements with emphasis on present and future duty positions, Supervisors must develop a continuation-training program that ensures individuals in the Public Health career field receive the necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements. Supervisors can use the PH Task Breakdown library, found on the Public Health CFM Kx website: https://kx.health.mil/kj/kx6/PublicHealthCFM/Pages/home.aspx as a proficiency training resource. Supervisors must be familiar with and encourage attendance of Public Health courses listed on the Education and Training Course Announcements (ETCA) website: https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx

4. **Community College of the Air Force.** Enrollment in the Community College of the Air Force occurs upon completion of Basic Military Training. Community College of the Air Force provides the opportunity to obtain an Associate of Applied Sciences Degree. In addition to its associate degree program, Community College of the Air Force offers the following:

4.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the instructor methods course and supervised practice teaching, Community College of the Air Force instructors who possess an associate degree or higher may be nominated by their school commander and commandant for certification as an occupational instructor.

4.2. Trade Skill Certification. When a Community College of the Air Force student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman (Supervisor), or Master Craftsman (Manager). All are transcribed on the Community College of the Air Force transcript.

4.3. Degree Requirements. All Airmen are automatically entered into the Community College of the Air Force program. Prior to completing an associate degree, the 5 level must be awarded and the requirements outlined in Table 1 must be met.

NOTE: MSgts must complete an associate degree or higher from a nationally or regionally accredited academic institution, if not already earned, to become eligible for promotion to SMSgt.

Table 1. CCAF Degree Requirements

PUBLIC HEALTH TECHNOLOGY (7ECY)

Occupational Specialty 4E0X1

Degree Requirements The Journeyman 5 skill-level must be held at the time of program completion.

Technical Education (24 semester hours)
A minimum of 12 semester hours of technical core subjects or courses must be applied and the remaining semester hours applied from technical core or technical elective subjects or courses. Requests to substitute comparable courses or to exceed specified semester hour values in any subject or course must be approved in advance.

Technical Core............... *Maximum Semester Hours*
*Biological and Physical Science 9
CCAF Specialty Internship 18
Communicable Diseases 6
Entomology..6
Epidemiology...8
Food Safety/Sanitation...................................6
Hearing Conservation 3
Occupational Health /Ergonomics & Safety ...9
Public Health..16
Public Health Medical Readiness 3

Technical Electives .... *Maximum Semester Hours*
Computer Science 6
Principles of Management 3
Statistics 3

Leadership, Management & Military Studies
(6 semester hours) Professional military education, civilian management courses accepted in transfer and/or by testing credit. Please reference the CCAF Catalog for continuous updates.

Physical Education (4 semester hours)

General Education (15 semester hours)
Applicable courses must meet the criteria for application of courses to the general education requirement and agree with the definitions of applicable courses. .

Subjects/Courses........................ Semester Hours
Communications.. 6
   Written Communication 6
     English composition (not duplicative)
    or
   Oral Communication 3
     Speech
    and
   Written Communication 3
     English composition

Mathematics 3

Social Science... 3

Humanities 3

Program Elective (15 semester hours) Courses applying to technical education, LMMS or general education requirements; natural science courses meeting general education requirement application criteria; foreign language credit earned at Defense Language Institute; maximum 9 semester hours of CCAF degree- applicable technical course credit otherwise not applicable to program of enrollment.

*Biological & Physical Science include: Anatomy & Physiology, Biology, Physical Science, chemistry, Microbiology, & Ecology.

5. Active Duty 4E0X1 Career Field Path: Table 2 summarizes the enlisted career path and training required for each skill-level

Table 2. Career Field Path

Education and Training Requirements	GRADE REQUIREMENTS			
	Rank	Average Promotion	Earliest Promotion	High Year Tenure
BMT				
Apprentice Technical School (3-Skill Level)		6 months 10 months		
Upgrade To Journeyman (5-Skill Level) - 18 months (maximum) in UGT - Complete 4E051CDCs - Trained/Certified on all core tasks - Current in all CMRP tasks **ALS** - Must be a SrA with 36 months' Time in Service (TIS) or be a SSgt select - Resident graduation is a prerequisite for SSgt sew-on (AD only)		36 months 30 months		10 Years
Trainer/Certifier Requirements	**Trainer** - Qualified and certified to perform task to be trained. - Must attend AF Training Course and be appointed by Commander - Recommended by supervisor **Certifier** - Be certified on the tasks to be evaluated - Possess at least the grade of SSgt with 5-skill level or civilian equivalent - Attend AF Training Course and be appointed by Commander - Certifier cannot be same person as trainer			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt - 12 months (maximum) in UGT - Complete all core and duty position tasks - Complete In-Resident Operational Entomology Course - Complete Public Health epidemiology Guide - Current on all CMRP tasks		4 years	3 years	20 Years
NCO Academy (NCOA) - Must be a TSgt or TSgt selectee - Resident graduation is a prerequisite for MSgt sew-on (AD Only)		11.7 years 16.2 years	5 years 8 years	22 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt, SMSgt select, or selected MSgt - Resident graduation is a prerequisite for CMSgt sew-on (AD Only). **Upgrade to Superintendent** (9-Skill Level) - Minimum rank of SMSgt - Complete Senior Enlisted Joint Professional Military Education - Members can attend, if accepted, comparable sister-service or International Academies/Schools - Current on all CMRP tasks		18.9 years	11 years	26 Years
Upon Selection to CMSgt - Intermediate Executive Skills Course - Other Leadership Courses (i.e. AFSO21 Executive Leadership Course, Keystone Course, The *Arc of Crisis* book, USAF Enterprise Leadership & Prospective Seminars, Gettysburg Leadership Experience, Leadership Development Program, MAJCOM Chief Orientation)		22.3 years	14 years	30 Years

Figure 1. Public Health Career Pyramid

Medical Enlisted Career Pyramid

Section C. Skill-Level Training Requirements

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

    1.1. Rotational Training: To the maximum extent allowable by local manning and mission requirements, Public Health Apprentices will rotate through the each program area consistent with their current CDC volume (e.g. if the Airman is studying Food Technology and Sanitation Evaluation, they would ideally be working in that section).

    1.2. Recommended Rotation: To assist in developing technicians with a full scope of Public Health skills, the following rotation schedule is highly recommended for 4E0X1's assigned to a MTF. These are only recommendations and deviations may be required to meet the specific mission requirements of each location.

Table 3. Recommended Rotation Schedule

Force Health Management Public Health Technicians should rotate equally through Deployment Medicine and Occupational Health	3-Skill Level $\geq$ 4 months 5-Skill Level $\geq$ 9-12 months 7-Skill Level $\geq$ 12-18 months
Community Health Public Health Technicians should rotate equally between Food Safety, Communicable Disease, Medical Entomology, etc.	3-Skill Level $\geq$ 4 months 5-Skill Level $\geq$ 9-12 months 7-Skill Level $\geq$ 12-18 months

2. Specialty Qualification Requirements

    2.1. Apprentice Level Training (AFSC 4E011 to 4E031)

        2.1.1. Specialty Qualification: None

            2.1.1.1. Knowledge: Mandatory understanding of: basic biological and physical sciences; preventive medicine; fundamentals of microbiology, chemistry, anatomy, physiology, and pathology of the human body; medical terminology; medical entomology programs; food science and technology; food handler training; food and water safety and defense principles; food inspection; sanitary evaluations; public facility sanitation; prevention and control of foodborne, waterborne, and vector borne diseases; communicable disease prevention and control;

epidemiology; occupational health; hearing conservation; medical intelligence; medical deployment processing; deployment health surveillance; personnel management and administration; medical service organization and function; basic medical information management (including database management); and written and oral communication.

2.1.1.2. Education: For entry into this specialty, completion of high school courses in biology, chemistry, and general science is desirable.

2.1.1.3. Training: For award of AFSC 4E031, successful completion of the Public Health Apprentice course is mandatory.

2.1.1.4. Experience: None

2.1.2. Training Sources and Resources: Completion of the Public Health Apprentice Course at USAFSAM satisfies the training requirements for award of the 3-skill level.

2.1.3. Implementation: Entry into 3-skill level training is accomplished by new accessions upon graduation from Basic Military Training or by retraining from any AFSC at the 5-skill level or higher (must complete normal retraining application). The Public Health Apprentice Course is an in-residence course requiring mandatory attendance. The 3-skill level is awarded upon completion (graduation) from Public Health Apprentice initial skills training.

2.2. Journeyman Level Upgrade Training (AFSC 4E031 to 4E051)

2.2.1. Specialty Qualification: Entry into 5-skill level UGT is initiated after the individual has completed the technical training requirements and has in-processed at their permanent duty station. All 4E031 qualifications in addition to the following are required to be met:

2.2.1.1. Knowledge: Mandatory understanding of: basic biological and physical sciences; preventive medicine; fundamentals of microbiology, chemistry, anatomy, physiology, and pathology of the human body; medical terminology; medical entomology programs; food science and technology; food handler training; food and water safety and defense principles; food inspection; sanitary evaluations; public facility sanitation; prevention and control of foodborne, waterborne, and vector borne diseases; communicable disease prevention and control; epidemiology; occupational health; hearing conservation; medical intelligence; medical deployment processing; deployment health surveillance; personnel management and administration; medical service organization and function; basic medical information management (including database management); and written and oral communication.

2.2.1.2. Education: Completion of college level courses toward award of an Associate degree is highly encouraged but not required to be upgraded to the 5-skill level.

2.2.1.3. Training: Completion of 4E051 Public Health Journeyman CDCs and training on all applicable core tasks/duty position tasks are mandatory. Additionally, members must possess current Hearing Conservation Certification and also be current on all Public Health CMRP requirements.

2.2.1.4. Experience: Qualification in and possession of AFSC 4E031. Experience in Force Health Management and Community Health programs.

2.2.2. Training Sources and Resources: 4E051 Public Health Journeyman CDCs in addition to OJT.

2.2.3. Implementation: Upgrade training to the 5-skill level begins upon assignment to the first duty station and is awarded upon completion of mandatory requirements and supervisor's recommendation.

2.3. Craftsman Level Upgrade Training (4E051 to 4E071)

2.3.1. Specialty Qualification: Entry into 7-skill level UGT is initiated when members are selected for promotion to SSgt, specifically upon the first day of the first month of the promotion cycle. All 4E051 qualifications in addition to the following are required to be met:

2.3.1.1. Knowledge: Mandatory understanding of: basic biological and physical sciences; preventive medicine; fundamentals of microbiology, chemistry, anatomy, physiology, and pathology of the human body; medical terminology; medical entomology programs; food science and technology; food handler training; food and water safety and defense principles; food inspection; sanitary evaluations; public facility sanitation; prevention and control of foodborne, waterborne, and vector borne diseases; communicable disease prevention and control; epidemiology; occupational health; hearing conservation; medical intelligence; medical deployment processing; deployment health surveillance; personnel management and administration; medical service organization and function; basic medical information management (including database management); and written and oral communication. A Public Health Craftsman is expected to demonstrate in-depth understanding of Public Health programs, policies, and procedures to not only successfully perform the mission, but also appropriately train and develop their subordinates.

2.3.1.2. Education: Completion of college level courses toward award of an Associate degree is highly encouraged but not required to be upgraded to the 7- skill level.

2.3.1.3. Training: In addition to completion of training on all applicable core tasks/duty position tasks and supervisor's recommendation, the following requirements must be met: completion of USAFSAM Operational Entomology in- residence course; completion of USAFSAM Epidemiology

Distance Learning course; possess current Hearing Conservation Certification; current on all Public Health CMRP requirements.

2.3.1.4. Experience: Experience in performing public health programs combined with continuing development and emphasis on leadership, management, and supervisory skills are critical to the transition from technician to supervisor. Strong writing and oral communication skills are essential for success. Communicating with civilian-equivalent public health agencies and increased involvement with other flights and squadrons within the organization and across the installation enhance experience.

2.3.2. Training Sources/Resources: Please refer to the USAFSAM Kx website: https://kx.health.mil/kj/kx7/PublicHealth/Pages/content.aspx#/ and the Education and Training Course Announcements (ETCA) website: https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx

2.4. Implementation. Upgrade training to the 7-skill level begins when members are selected for promotion to SSgt, specifically upon the first day of the first month of the promotion cycle and is awarded upon completion of mandatory requirements and supervisor's recommendation.

Section D. Resource Constraints: At the time of publishing, no resource constraints are present for the 4E0X1 career field.

Section E. Transitional Training Guide: At the time of publishing, no transitional training requirements are present for the 4E0X1 career field.

BY ORDER OF THE SECRETARY OF THE AIR FORCE OFFICIAL

DOROTHY A. HOGG
Lieutenant General, USAF,
NC Surgeon General

Part II.

Section A. Specialty Training Standard

1.1. Implementation. This Specialty Training Standard is used for technical training provided by USAFSAM for Public Health Apprentice classes.

1.2. Purpose. As prescribed, this Specialty Training Standard:

    1.2.1. Lists in the column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and Technical References necessary for Airmen to perform duties in the 3-, 5-, and 7-skill level. Number task statements sequentially e.g., 1.1, 1.2, and 2.1. Column 2 (Core Tasks) identifies, by (^), specialty-wide training requirements.

    1.2.2. Provides certification for on-the-job training. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification requires a certification or completed date. (As a minimum, use the following column designators: Training Complete, Certifier Initials)

    1.2.3. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as a result of training on the task and knowledge and the career knowledge provided by the correspondence course.

    1.2.4. Qualitative Requirements. The CFETP proficiency code key used to indicate the level of training and knowledge provided by resident training and Career Development Courses.

    1.2.5. Use to document task when placed in AF Form 623, Individual Training Record, and according to AFI 36-2670, *Total Force Development*, in Chapter 6.

1.3. Recommendations. Report unsatisfactory performance of individual course graduates. Reference specific Specialty Training Standard paragraphs

Section B. Course Objective List

1. Measurement. Each objective is indicated as follows:

    1.1. "W" indicates task or subject knowledge, which is measured using a written test.

    1.2. "PC" indicates required task performance, which is measured with a performance progress check.

    1.3. "P" indicates required task performance, which is measured with a performance test.

    1.4. "PW/C" indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

2. Standard. The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained.

3. Proficiency Level. Most task performance is taught to the "2b" proficiency level, which means the student can do most parts of the task but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task.

Section C. Support Materials

1. Air Force Medical Service Virtual Library:
https://kx.health.mil/kj/kx8/virtuallibrary/Pages/home.aspx

2. Public Health Task Breakdown Library:
https://kx.health.mil/kj/kx6/PublicHealthCFM/Documents/Forms/ShowFolders.aspx?RootFolder=%2Fkj%2Fkx6%2FPublicHealthCFM%2FDocuments%2FTraining%20Information&FolderCTID=0x012000A193C71F24AA4D4890512EC40F48862A&View=%7B40C48E14%2D81F9%2D40C4%2DAC68%2D0E2FDAA2571C%7D

3. Public Health Comprehensive Medical Readiness Program (CMRP) Checklist:
https://kx.health.mil/kj/kx9/CMRP/Pages/RSVP_Checklists_Enlisted.aspx

4. USAFSAM Public Health CMRP and AFSC Training Resources:
https://kx.health.mil/kj/kx7/PublicHealth/Pages/content.aspx#/TR/AFSC

Section D. Training Course Index

For current training course information, please refer to the Education & Training Course Announcements (ETCA) website: https://cs2.eis.af.mil/sites/app10-ETCA/SitePages/Home.aspx

Section E. MAJCOM-Unique Requirements

1. The Air National Guard and Air Force Reserve have 4E0X1 positions that are maintained by UTC requirement. The STS indicates core and non-core tasks applicable to the Total Force. Those core/non-core tasks designated with two asterisks (**) for ANG or a hashtag (#) for AF Reserve following any topic in column 1 indicates the topic is not applicable to the ANG and/or AF Reserve.

2. ARC members called to active duty will receive training for asterisk (**) and hashtag (#) designated tasks as applicable.

>   2.1. Prior to performing audiometric testing, ARC members must receive initial Hearing Conservation Certification (HCC) training. USAFSAM will allow ARC 4E0X1s, 4N0X1s or 4A0X1s (or Air Force Reserve civilian equivalent) to attend HCC courses (initial or recertification).

Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN (Last 4)
Printed Name Of Certifying Official And Written Initials		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

QUALITATIVEREQUIREMENTS

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 parts of the task. (Extremely Limited)
	2	Can do most parts of the task. Needs help on only the hardest parts. (Partially Proficient)
	3	Can do all parts of the task. Needs only a spot check of the 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 (Explanation 1)	a	Can name parts, tools, and simple tasks 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 (Explanation 2)	A	Can identify basic facts and terms about the subject. (Facts)
	B	Can identify relationships of basic facts and state general principles about the subject (Principles)
	C	Can analyze facts and principles and draw conclusions about the subject. (Analysis)
	D	Can evaluate conditions and make proper decisions about the subject. (Evaluation)

- Explanations
- A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)
- A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.
- An asterisk (**) for ANG or a hashtag (#) for AFRES following any topic in column one indicates the topic is not applicable to the ANG and/or AFRES.
- Dash in column 4A – 4D no proficiency training is provided in the course/CDC. If used after a previous scale value has been attained/certified, the applicable proficiency level is still required to be validated/certified.
- The " * " in column 2C identifies minimum apprentice-level instruction during emergency surge training conditions warranting accelerated 3-skill level formal training.
- A 5 or 7 in column 2B indicate a core task for 5- or 7-skilllevel.
- An "^" in column 2B indicates a Third Party Certification (TPC) is required.
- STS notes for columns 4A – 4C:
- Note 1: Hearing Conservation Certification (HCC) training during the 4E031 course fulfills this training requirement. Currency via HCC refresher course satisfies additional upgrade training requirements.
- Note 2: The course in which the skill is taught is indicated along with the proficiency code (if applicable).
- Abbreviations: CPM = Contingency Preventive Medicine Course; OEC = Operational Entomology; EPI = USAFSAM Epidemiology Distance Learning Course
- Note 3: A set of preventive measures designed to reduce the risk of transmission of infectious diseases in crops and livestock, quarantined pests, and invasive alien species.

1. Task, Knowledge and Technical References	2. Tasks		3. Certification for OJT					4. Proficiency Codes Used To Indicate			
	Core/Cert^	Deployment*/SEI+	A	B	C	D	E	A	B	C	D
			Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
1. MISSION AND ORGANIZATION TR: AFl 44-102, *Medical Care Management* ; AFl 48-101, *Aerospace Medicine Enterprise*											
1.a. Relationships with local, state and federal public health, food inspection, occupational safety and health agencies, and other military branches/counterparts								A	B		
2. COMMUNICATION SKILLS TR: AFH 33-337, *Tongue and Quill* ; AFMAN 33-326, *Preparing Official Communications* ; AFMAN 36-2236, *Guidebook for Air Force Instructors*											
2.a. Principles and elements								A			
2.b. Effective writing											
2.b.(1). Prepare written correspondence								la	2b	2b	
2.b.(2). Prepare email correspondence								a	2b	2b	
2.c. Education and Training											
2.c.(1). Prepare lectures and briefings	5 ^	*						2b	2b		
2.c.(1).(a). Validate accuracy of lectures and briefings	7 ^	*						2b		3c	
2.c.(2). Present lectures or briefings	5	*						2b	2b		
2.c.(2).(a). Evaluate lectures or briefings presentation	7	*						2b		3c	
2.d. Deliver Risk Communication Message	5	*						a	1a		
2.d.(1). Develop Risk Communication Message	7	*						a		2b	
3. SUPERVISION AND TRAINING TR: AFl 36-2101, *Classifying Military Personnel* (Officer and Enlisted); AFl 36-2670, *Total Force Development;* AFH 36-2618, *The Enlisted Force Structure* ; Air Force Enlisted Classification Directory/Air Force Officer Classification Directory (https://www.afpc.af.mil/Classification/)											
3.a. Career Field Education and Training Plan (CFETP)											
3.a.(1). AFSC								A			
3.a.(2). CFETP								A	B	C	
3.a.(3). Proficiency Code Key								A	B	B	
3.a.(4). Utilize Task Breakdown Library								a	2b	2b	
3.a.(5). Evaluate personnel									2b	3c	
3.a.(6). Utilize electronic training records								2b	2b	3c	
3.a.(7). Develop and Manage Master Training Plan									a	2b	
3.b. Career ladder progression											
3.b.(1). Progression in career ladder								A			
3.b.(2). 4E031/4E051/4E071/4E091/4E000 duties								A			
3.b.(3). Utilize Electronic Career Path Tool (e.g. MyVector)								a	b	2b	
4. OFFICE MANAGEMENT TR: AFl 36-2110, *Assignments* ; AFl 41-102, *Air Force Medical Expense and Performance Reporting System (MEPRS) for Fixed Military Medical and Dental Treatment Facilities;* AFl 65-601, *Volume 1, Budget Guidance and Procedures* ; AFl 65-601, *Volume 2, Budget Management for Operations* ; AFl 90-201, *The Air Force Inspection System* ; AFMAN 33-363, *Management of Records* ; Most current versions of Microsoft Office Application Handbooks (Word, PowerPoint, and Excel); Self-help sections contained within ASIMS programs; http://www.e-publishing.af.mil/; Air Force Disease Reporting System Internet (AFDRSi), https://data.nmcphc.med.navy.mil/afdrsi/Login.aspx; Department of Defense Military Health System, https://dmhrsi.csd.disa.mil/OA_HTML/AppsLogin; Management Internal Control Toolset (MICT), https://mict.us.af.mil/MyMict.aspx											
4.a. Prepare and update operating instructions									2b	3c	
4.b. Use operating instructions								a	2b		
4.c. Utilize electronic publications and policies								1a	2b		
4.d. Air Force inspection system								A	B		
4.e. Compile Public Health metrics								a	2b	2b	
4.f. Provide Public Health input to meetings/working groups (e.g. AMC, OEHWG, ESOH, etc...)								a	2b	2b	
4.g. Information Systems Management											
4.g.(1). Utilize desktop computer applications											
4.g.(l).(a) Microsoft Word								2b			
4.g.(l).(b). Microsoft PowerPoint								2b			
4.g.(1).(c). Microsoft Excel								2b	2b	2b	
4.g.(2). Utilize PH computer applications											
4.g.(2).(a).ASIMS		*						2b	3c		
4.g.(2).(b).AFDRSi **#		*						b	2b		
4.g.(2).(c). ESSENCE **#	5	*						a	2b		
4.g.(2).(d). AFSAS								1a	2b		
4.g.(2).(e). DOEHRS-HC	5 ^							2b Note 1	2b Note 1	2b Note 1	
4.g.(2).(f). DOEHRS-DR	5							a	2b		
4.g.(2).(g). DOEHRS-IH (ANG/AFRC)	5							a	2b		
4.g.(2).(h). DOEHRS-IH (AD only)								a	a	a	
4.g.(2).(i). Electronic Health Records System	5^							a	2b		
4.g.(2).(j). MICT								a	b	2b	
4.g.(2).(k). VSIMS	5							a	2b		
4.h. Resource Management											

4.h.(1). Manage supplies and equipment #							**Dash**	**1a**	**2b**	
4.h.(2). Manage budgetary process **							**Dash**	**a**	**2b**	
4.h.(3). Manage Public Health manpower documents **#	**7**						**Dash**	**b**	**2b**	

5. MEDICAL FUNDAMENTALS TR: *Cowan and Talaro, Microbiology: A System Approach*, current edition; *Marieb and Hoehn, Human Anatomy and Physiology*, current edition; *Dorland's Illustrated Medical Dictionary*, W.B. Saunders Co., current edition; Note: Following references are not used to develop curriculum: Thibodeau and Patton, Structure and Function of the Body, current edition; DoDI 5400.11, DoD Privacy and Civil Liberties Programs, 2019; AFI 33-332, *Air Force Privacy and Civil Liberties Program*, 2019; *CDC STD Treatment Guidelines*, current edition

5.a. Microbiology							A	B		
5.b. Chemistry							A	B		
5.c. Basic medical terminology and abbreviations		*					A	B		
5.d. Medical Ethics		*					A	B		
5.e. Legal aspects										
5.e.(1). HIPAA							A	B		
5.e.(2). Privacy Act							A	B		
5.e.(3). Reporting HIPPA disclosures							Dash	1a		
5.f. Patient Administration										
5.f.(1).Make entries	5	*					2b	2b		
5.f.(2). Determine and provide patient education requirements	5^						2b	2b		
5.g. Anatomy & Physiology of the Human Body										
5.g.(1). Descriptive terms and topographic anatomy		*					A	B		
5.g.(2). Major organs and systems		*					A	B		
5.g.(3). Human physiology							A	B		
5.g.(4). Fluid and chemical balance							A	B		
5.g.(5). Functions and adaptations of cells and tissues							A	B		
5.g.(6). Thermal regulation							A	B		
5.g.(7). Metabolism/energy production							A	B		
5.g.(8). Oxygenation and circulation							A	B		
5.g.(9). Nutrition and elimination							A	B		
5.g.(10). Activity and rest							A	B		
5.g.(11).Protection and regulation							A	B		
5.g.(12). Reproduction							A	B		
5.g.(13). Human growth, development, and the aging process							A	B		
5.h. Basic Human Needs Theory										
5.h.(1). Personal hygiene		*					A			
5.h.(2).Environmental/community health							A			
5.h.(3).Nutrition and exercise							A		B	
5.h.(4). Psychological adjustments mental health							A		B	
5.h.(5). Substance abuse							A		B	
5.h.(6). Body defenses and healing processes							A		B	
5.i. Fundamentals of Immunology										
5.i.(1). Principles of Immunology							B	B		
5.i.(2). Assess vaccination/serology status	5^	*					2b	2b		
5.i.(3). Determine prophylaxis recommendations	5^	*					2b	2b		

6. FORCE HEALTH MANAGEMENT TR: DoDI 6025.19, *Individual Medical Readiness (IMR)*; DoDI 6490.03, *Deployment Health*; AFI 10-203, *Duty Limiting Conditions*; AFI 10-403, *Deployment Planning and Execution*; AFI 33-332, *Air Force Privacy Program*; AFI 10-250, *Individual Medical Readiness*; AFI 10-403, *Deployment Planning and Execution*; AFI 41-210, *Tricare Operations and Patient Administration*; AFI 44-170, *Preventive Health Assessment*; AFI 48-109, *Electromagnetic Field Radiation (EMFR) Occupational and Environmental Health Program*; AFI 48-127, *Occupational Noise and Hearing Conservation Program*; AFI 48-101, *Aerospace Medicine Enterprise*; AFI 48-122, *Deployment Health*; AFI 48-137, *Respiratory Protection Program*; AFI 48-145, *Occupational and Environmental Health Program*; AFMAN 48-146, *Occupational & Environmental Health Program Management*; AFI 48-110, *Immunizations and Chemoprophylaxis for the Prevention of Infectious Diseases;* AFI 90-821, *Hazard Communication (HAZCOM) Program*; AFI 91-202, *The US Air Force Mishap Prevention Program*; AFI 91-204, *Safety Investigations and Reports*; DoDI 6050.05, *DoD Hazard Communication (HAZCOM) Program*; DoDI 6055.05, *Occupational and Environmental Health (OEH)*; DoDI 6055.12, *Hearing Conservation Program (HCP)*; DoD 6055.05-M, *Occupational Medical Examinations and Surveillance Manual*; www.osha.gov (Occupational Safety & Health Administration); www.cdc.gov/niosh (The National Institute for Occupational Safety and Health); phc.amedd.army.mil/Pages/default.aspx (U.S. Army Public Health Command); www-nehc.med.navy.mil (Navy and Marine Corps Public Health Center); Sutter, *Council for the Accreditation of Occupational Hearing Conservation: Hearing Conservation Manual*, 5th Edition, 2015; *Casarett and Doull's, Toxicology*, 9th Edition, 2018; Proctor & Hughes, *Chemical Hazards of the Workplace*, 5th Edition, 2014; K.H.E Kroener and E. Grudjean, *Fitting the Task to the Human: A Textbook of Occupational Ergonomics*, 5th Edition, 1997; Thad Godish, *Sick Buildings: Definition, Diagnosis, and Mitigation*, 1995; *Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs)*, Published by the American Conference of Governmental Hygienists; AOR Reporting Instructions https://aef.afpc.randolph.af.mil/AFRIT/Afrit.aspx

6.a. Deployment Health										
6.a.(1). Oversee Medical Deployment Clearance Process	7^	*					b	b	2b	
6.a.(2). Prepare and conduct deployment health threat briefings	5^	*					2b	2b		
6.a.(3). Evaluate deployment health threat briefings	7^	*					b	b	2b	
6.a.(4). Prepare, coordinate, and conduct pre/post deployment health clearances	5^	*					2b	2b		
6.a.(5). Review and interpret reporting instructions to identify military deployment requirements (e.g. medical red dog tags, international certificate of vaccination (yellow shot record)	5^	*					2b	2b		
6.a.(6). Review and interpret reporting instructions to identify civilian deployment requirements (e.g. medical red dog tags, international certificate of vaccination (yellow shot record)	5^	*					2b	2b		
6.a.(7). Verify AOR Waiver disposition	5^	*					a	2b		
6.a.(8). Provide training on the medical deployment process to UDMs	5^						a	2b		

Task										
6.a.(9). Provide Travel Medicine Recommendations (e.g. Leisure travel, TD, etc.)							a	2b	2b	
6.a.(10). Conduct Quality Assurance Review	7^						a	b	2b	
6.b. Occupational Health										
6.b.(1). Functions and responsibilities										
6.b.(1).(a). Occupational Safety and Health Programs (e.g. OSHA, NIOSH, etc.)							A	B		
6.b.(1).(b). USAF Occupational Safety and Health Programs							A	B		
6.b.(1).(c). Workplace Supervisor Consultation (Such as: trend analysis, rosters, education, etc.)							A	B		
6.b.(1).(d). Perform occupational health shop visits	5^						a	2b		
6.b.(1).(e). Review and approve shop specific HAZCOM plans	7^						a	b	2b	
6.b.(1).(f). Public Health's role in Respiratory Protection Program	5						A	B		
6.b.(1).(g). Conduct Fitness and Risk Evaluations							b	2b	2b	
6.b.(2). Basics of industrial operations										
6.b.(2).(a). Toxicology							A	B		
6.b.(2).(b). Potential Occupational Hazards										
6.b.(2).(b).(l). Chemical							A	B		
6.b.(2).(b).(2). Physical							A	B		
6.b.(2).(b).(3). Biological							A	B		
6.b.(2).(b).(4). Radiological							A	B		
6.b.(2).(c). Occupational Safety and Health Education										
6.b.(2).(c).(1).Identify educational requirements based on occupational exposure data and shop visit findings	5^						1a	2b		
6.b.(2).(c).(1).(a). Asses educational requirement recommendations	7^						a	b	2b	
6.b.(2).(c).(2). Identify occupational education and training requirements (e.g. Federal, State and regulatory) (formerly known as Expanded Standards)	5^						1a	2b		
6.b.(2).(c).(2).(a). Assess occupational education and training requirements recommendations (e.g. Federal, State and regulatory) (formerly known as Expanded Standards)	7^						a	b	2b	
6.b.(2).(c).(3). Hazard communication and safety data sheets (SDS)							A	B		
6.b.(2).(c).(4). Provide personal protective equipment education							a	2b		
6.b.(2).(c).(5). Ergonomics							A	B		
6.b.(2).(c).(6). Fetal protection and reproductive health							A	b		
6.b.(3). Occupational Illness and Injury										
6.b.(3).(a). Distinguish between illness and injury	5^						b	2b		
6.b.(3).(b). Conduct surveillance for occupational illness	5^						b	2b		
6.b.(3).(c). Investigate and report occupational illness	5^						2b	2b		
6.b.(4). Thermal injury/illness reporting and investigation requirements	7								2b	
6.b.(5). Conduct Quality Assurance Review	7^						a	b	2b	
6.c. Occupational Medical Surveillance Examinations										
6.c.(1). Interpret and compare Bioenvironmental occupational exposure data to regulatory requirements	5^						2b	2b		
6.c.(1).(a). Utilize Bioenvironmental occupational exposure data to determine examination requirements	7^						b	b	2b	
6.c.(2). Identify types of exams	5						a	b		
6.c.(3). Identify occupational exam(s) and regulatory requirements	5^						2b	2b		
6.c.(4). Determine effects of industrial hazards to target organs	5^						1b	2b		
6.c.(5). Coordinate initial or follow-up tests, other than audiograms, in support of occupational health	5						1a	2b		
6.c.(6). Ensure medical surveillance exam completion and documentation							a	2b	2b	
6.d. Occupational Epidemiology										
6.d.(1). Conduct occupational epidemiology analysis (e.g. indoor air quality data, OEHME trend analysis, etc.)	7^						a		2b	
6.d.(2). Conduct Quality Assurance Review	7^						a		2b	
6.e. Hearing Conservation										
6.e.(1). Hearing Conservation Program										
6.e.(1).(a). Physical properties of sound							B See Note 1	B See Note 1		

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6.e.(1).(b).Structure and Function of the ear							B See Note 1	B See Note 1		
6.e.(1).(c). Roles and Responsibilities							B See Note 1	B See Note 1		
6.e.(1).(d). Manage Hearing Conservation program	7^						a	b	2b	
6.e.(1).(e). Perform Lighted Ear Exam	5^						3c See Note 1	3c See Note 1		
6.e.(1).(f). Select, fit, educate and document on protective devices	5^						3c See Note 1	3c See Note 1	3c See Note 1	
6.e.(1).(g). Documentation of audiogram results and verify co-signature requirement (to include non-occupational)	5^						2b See Note 1	2b See Note 1		
6.e.(1).(h) Conduct Quality Assurance Review	7^						a	b	2b	
6.f.(2). DOEHRS-HC										
6.f.(2).(a). Conduct and document occupational audio testing	5^						3c See Note 1	3c See Note 1		
6.d.(2).(b). Perform audiometer calibration check	5^						3c See Note 1	3c See Note 1		
6.f.(2).(c). Identify abnormal audiogram results and conduct appropriate follow-up	5^						3c See Note 1	3c See Note 1		
6.f.(2).(d). Conduct appropriate follow-up for PTS	5^						3c See Note 1	3c See Note 1		
6.f.(2).(e). Process/track audio forms and referrals	5^						a	2b		
6.f.(2).(f). Process and follow-up OSHA reportable hearing loss	5^						2b	2b		
6.g. Medical treatment facility/base employee health program										
6.g.(1). Manages medical/base employee health program	7						b	b	2b	
6.g.(2). Monitor those exposed to blood borne pathogens	5						2b	2b		
6.g.(3). Monitor those exposed to airborne pathogens	5						2b	2b		
6.g.(4). Monitor immune status and make recommendations	5						2b	2b		
6.g.(5). Identify Public Health's role in support of Infection control							a	b	b	
6.g.(6). Conduct Quality Assurance Review	7^						a	b	2b	
6.h. Reproductive health program										
6.h.(1). Program fundamentals							A	B		
6.h.(1).(a). Manages Reproductive health program	7							b	2b	
6.h.(2). Interview/educate pregnant workers on potential fetal hazards	5^						b	2b		
6.h.(3). Interview supervisors							b	2b	2b	
6.h.(4). Initiate and document recommended preventative restrictions	5^						b	2b		
6.h.(5). Conduct Quality Assurance Review	7^						a	b	2b	

7. COMMUNITY HEALTH TR: AFI 10-246, *Food and Water Protection Program* ; AFI 34-144, *Child and Youth Programs* ; AFI 44-102, *Medical Care Management* ; AFI 44-105, *The Air Force Blood Program* ; AFI 44-108, *Infection Prevention and Control Program* ; AFI 44-178, *Human Immunodeficiency Virus Program* ; AFI 48-105, *Public Health Surveillance* ; AFI 48-116, *Food Safety Program* ; AFI 48-117, *Public Facility Sanitation* ; AFI 48-149, *Flight and Operational Medicine Program (FOMP*); AFI 48-110, *Immunizations and Chemoprophylaxis for the Prevention of Infectious Diseases* ; AFJI 48-131, *Veterinary Health Services* ; DoD 4145.19-R-l, *Storage and Material Handling* ; VETCOM Circular 40-1, *Worldwide Directory of Sanitarily Approved Food Establishments for Armed Forces Procurement* ; DLA Troop Support Handbook 4155.2, *Inspection of Composite Operational Rations* ; DeCA Directives 40-3 through 40-6 (http://www.commissaries.com/inside_deca/publications/directives/directives_index.cfm); *Joint Surveillance Food Inspection Manual* ; Interstate Certified Shellfish Shippers List; Interstate Milk Shippers List; US Department of Commerce Approved List of Fish Establishments and Products; Dairy Plants Surveyed and Approved for USDA Grading Service; Directory of Grading Offices and Plants Operating Under USDA Poultry and Egg Grading Programs; Potter and Hotchkiss, Food Science, current edition; Hubbert, Food Safety and Quality Assurance-Foods of Animal Origin, current edition; Cliver, Foodborne Diseases, current edition; Jay, Loessner, and Golden, Modern Food Microbiology, current edition; Microbial Examination of Foods, American Public Health Association, current edition; McSwane, Essentials of Food Safety and Sanitation, current edition; HACCP Reference Book, National Restaurant Association, 1993; Procedures to Investigate Foodborne Illness, current edition; International Association of Food Protection, 2011; Procedures to Investigate Waterborne Illness, current edition; International Association of Food Protection, 2002; Heymann, Control of Communicable Diseases Manual, current edition; Current CDC STD Treatment Guidelines; DeCA Contract Quality Assurance Provisions; AFMAN 48-147, *Tri-Service Food Code* ; *DoD Veterinary Food and Diagnostic Laboratory Sample Submission Guide* ; *Natick Guide to the Salvage of Foods Exposed to Refrigeration Failure* (Air Force version, 1997); Current Food Defense Handbook. Current version; Armed Forces Health Surveillance Center (www.AFHSC.mil); CDC Epidemiology and Prevention of Vaccine-Preventable Disease, The Pink Book, Current Edition; Air Force (AF) School-Age Care (SAC) Inspection Criteria, January 2015

7.a. Food Safety										
7.a.(1). Functions and responsibilities							A	B		
7.b. Food chemistry and microbiology										
7.b.(1). Food		*					B	B		
7.b.(2). Acid		*					B	B		
7.b.(3). Time		*					B	B		
7.b.(4). Temperature		*					B	B		
7.b.(5). Oxygen		*					B	B		
7.b.(6). Moisture		*					B	B		
7.b.(7). Preservation techniques, food packaging, and anti-microbial properties		*					B	B		
7.b.(8). Food pathogens		*					B	B		
7.c. Causes of food deterioration/spoilage										
7.c.(1). Meat products		*					B	B		
7.c.(2). Waterfood products		*					B	B		
7.c.(3). Egg products		*					B	B		
7.c.(4). Dairy products		*					B	B		
7.c.(5). Fresh fruits and vegetables		*					B	B		
7.c.(6). Semi-perishables		*					B	B		
7.d. Principles and techniques of storing										
7.d.(1). Semi-perishables	5	*					B	B		

Task										
7.d.(2). Perishables	5	*						B	B		
7.e. Approved Sources of Food										
7.e.(1). Identify foods that require source approval	5^	*						2b	2b		
7.e.(1).(a). Initiate new food sources approval process	7^	*						b	b	2b	
7.e.(2). Use the appropriate approved source										
7.e.(2).(a). Meat products	7^	*						b	b	3c	
7.e.(2).(b). Poultry products	7^	*						b	b	3c	
7.e.(2).(c). Waterfood products	7^	*						b	b	3c	
7.e.(2).(d). Dairy products	7^	*						b	b	3c	
7.e.(2).(e). Bakery products	7^	*						b	b	3c	
7.e.(2).(f). Other items listed in Circular 40-1, not identified above (e.g. ice, water, Kimchi, etc.)	7^	*						b	b	3c	
7.e.(2).(g). Locally approved sources list	7^	*						a	b	3c	
7.f. Food Inspection Manuals and Directives										
7.f.(1). Use food inspection manuals and directives (Joint Receipt Inspection Manual, Joint Surveillance Inspection Manual)	5	*						b	2b		
7.g. Thermometers										
7.g.(1) Calibrate food thermometers	5^	*						2b	2b		
7.h. Temperatures										
7.h.(1) Monitor temperatures	5^	*						2b	2b		
7.j. Safety and security of foods on receipt										
7.j.(1). Perform receipt inspection of food	5^	*						b	2b		
7.k. Safety of food during storage										
7.k.(1). Perform surveillance inspections	5							b	2b		
7.k.(2). Investigate Food Quality Reports (DeCA Form 40-45)	5^							b	2b		
7.k.(3). Conduct food recalls (e.g. FDA recalls, ALFOODACT, VSIMS)	5^	*						2b	2b		
7.k.(4). Recommend disposition of damaged/distressed/expired foods	5^	*						1a	2b		
7.k.(4).(a). Approve disposition of damaged/distressed/expired foods (TR: AFI 48-116; para 2.9.15 & 2.9.16)	7^	*						a		2b	
7.l. Operational rations										
7.l.(1). Purpose and terminology	5	*						B	B		
7.l.(2). Perform operational rations inspection	5^	*						2b	2b		
7.l.(2).(a). Manage operational rations inspection program	7^	*						b	b	2b	
7.m. Analysis Procedures										
7.m.(1). Fundamentals of microbiological testing		*						A	B		
7.m.(2). Collect, prepare and forward food samples for shipment	5	*						b	2b		
7.m.(3). Perform sensory analysis of food samples	5	*						2b	2b		
7.m.(4). Perform pH analysis of food	5	*						2b	2b		
7.m.(5). Make recommendations based on analysis	5	*						2b	2b		
7n. Tri-Service Food Code										
7.n.(1) Introduction to the Tri-Service Food Code		*						A	B		
7.n.(2). Perform sanitation and food defense evaluations of food processing, storage and serving facilities on installations	5	*						2b	2b		
7.n.(3). Cottage Food Operations										
7.n.(3).(a). Oversight of Food Safety and Sanitation (TR: AFI 48-116 Chapter 3 and AFMAN 48-147, 3-201.11, 8-301.11, 8-301.12, and 8-302.11)	7							b		2b	
7.n.(4) Installation Food Events (to include air shows, farmers markets, festivals, organizational food event, etc.) (TR: AFI 48-116, Chapter 3 and AFMAN 48-147, 8-301.11)										
7.n.(4).(a). Define Farmers Market Risk Levels	7							b		2b	
7.n.(4).(b). Maintain food safety and sanitation	7							b		2b	
7.n.(4).(c). Review local health department sanitation inspections (e.g. food trucks, local restaurants catering, etc.)	7							b		2b	

Task									
7.n.(4).(d). Approve pre-operational plans	7						b		2b
7.n.(4).(d).(1). Conduct pre-operational and recurring sanitation inspections IAW AFMAN 48-147	7						b		2b
7.o. Foodhandler knowledge and training									
7.o.(l). Employee and supervisor training plans							A	B	
7.o.(2). Develop and conduct foodhandler supervisor training							a	2b	2b
7.p. Evaluations of off-base food facilities									
7.p.(1). Perform evaluations of off-base food facilities (processing, storage and serving)	7^						a	b	2b
7.q. Prepare reports									
7.q.(1). Document recommendations regarding public health evaluations	5^	*					2b	2b	
7.q.(2). Use evaluation findings to rate facilities	5^	*					2b	2b	
7.q.(3).Review of all inspection reports by flight management (e.g. 4E0X1 flight chiefs or SNCO; 43HX officer or civilian equivalent) (TR: AFI 48-116, 2.9.19.1.)	7						a	b	2b
7.q.(4). Draft trend analysis for facility sanitation	5						b	2b	
7.q.(4).(a). Route trend analysis and track to completion of routing	7						b	b	2b
7.q.(5). Conduct Quality Assurance Review	7^						a	b	2b
7.r. Foodborne/waterborne disease outbreak investigations									
7.r.(1). Conduct foodborne/waterborne disease outbreak investigations	5^	*					b	2b	
7.r.(1).(a). Direct foodborne/waterborne disease outbreak response	7^	*					b	b	2b
7.s. Principles of food defense									
7.s.(l). Food vulnerability assessment (FVA) protocol		*					A	B	
7.s.(2). Perform FVA and prepare/submit report	5^	*					b	2b	
7.s.(2).(a). Present FVA and report findings	7^	*					b		2b
7.s.(3). Gather threat information (i.e. Intel, OSI, local law enforcement)	5^	*					a	2b	
7.s.(4). Evaluate food safety/vulnerability provisions for local and contingency contracts	7^						a	b	2b
7.s.(5). Evaluate security of foods during storage	5^	*					b	2b	
7.t. Principles of Epidemiology									
7.t.(1). Functions and responsibilities		*					A	B	B Note 2 (EPI)
7.t.(2). Agent, host and environmental factors		*					A	B	B Note 2 (EPI)
7.t.(3). Health Equity						A	B		
7.t.(4). Social Determinants of Health						A	B		
7.t.(5). Intro to biostatistics									
7.t.(5).(a). Key terms							A	A	B Note 2 (EPI)
7.t.(5).(b). Principles of surveillance							A	B	B Note 2 (EPI)
7.t.(5).(c). Compile and maintain data							1a	2b	2b Note 2 (EPI)
7.t.(5).(d). Identify and evaluate trends							1a	2b	2b Note 2 (EPI)
7.t.(6) Epidemiological Investigations									
7.t.(6).(a.). Identify epidemiologic steps of an outbreak investigation	5^						1a	2b	
7.t.(6).(b). Perform epidemiologic steps of outbreak investigation	7^						b	b	2b Note 2 (EPI)
7.t.(6).(c). Perform risk assessments (e.g. TB, influenza, immunizations)	7^						b	b	2b Note 2 (EPI)
7.u. Principles of Communicable Disease Control									
7.u.(1). Functions and responsibilities							B	B	
7.u.(2). Communicable diseases									
7.u.(2).(a). Sexually transmitted infections	5	*					B	B	

7.u.(2).(b). Rabies	5	*					B	B		
7.u.(2).(c). Viral Hepatitis	5	*					B	B		
7.u.(2).(d). HIV	5	*					B	B		
7.u.(2).(e). TB	5	*					B	B		
7.u.(2).(f). Influenza	5	*					B	B		
7.u.(2).(g). Emerging/reemerging diseases of operational importance	5	*					B	B		
7.u.(2).(h). Special Pathogens (e.g. Ebola, CCHF)	5	*					B	B		
7.v. Modes of transmission										
7.v.(l). Direct	5	*					B	B		
7.v.(2). Indirect	5	*					B	B		
7.v.(3). Airborne	5	*					B	B		
7.w. Communicable Disease Intervention										
7.w.(1). Interview patients	5^	*					2b	3c		
7.w.(2) Educate patients on disease prevention and control	5^	*					2b	3c		
7.w.(3). Initiate and report events	5	*					2b	2b		
7.w.(4). Conduct Quality Assurance Review	7^						a	b	2b	
7.x. Public facilities										
7.x.(1). Fundamentals of public facility sanitation							A	B		
7.y. Perform evaluations of public facilities										
7.y.(1). Barber and beauty shops	5^						a	2b		
7.y.(2). Child development centers	5^						a	2b		
7.y.(3). School Age Programs**#	5^						a	2b		
7.y.(4). Family child care**#	5^						a	2b		
7.y.(5). Contract quarters	5^						a	2b		
7.y.(6). Living quarters	5^						a	2b		
7.y.(7). Services facilities	5^						a	2b		

8. MEDICAL ENTOMOLOGY TR: AFI 32-1053, *Integrated Pest Management* ; AFI 32-1074, *Aerial Application of Pesticides* ; AFI 48-102, *Medical Entomology Program* ; Armed Forces Pest Management Board (AFPMB), *Technical Guide (TG) 24, Contingency Pest Management Guide* ; AFPMB- TG 36, *Personal Protective Measures Against Insects and Other Arthropods of Military Significance* ; Degesch America Inc. Principle Storage Pest booklet; AFPMB TG 48, *Contingency Pest and Vector Surveillance* ; DoDI 4150.07, *DOD Pest Management Program* ; DTR 4500.9, *Part V, Department of Defense Customs and Boarder clearance policies and procedures* ; DoD Foreign Clearance Guide (https://www.fcg.pentagon.mil); AFI 48-105, *Public Health Surveillance* ; Armed Forces Health Surveillance Center (www.AFHSC.mil); AFPMB- TG-2, *Feral Animal Risk Mitigation in Operational Areas* , AFPMB TG Website: https://www.acq.osd.mil/eie/afpmb/techguides.html

8.a. Functions and responsibilities							A	B	B Note 2 (OEC)	
8.b. Identify vectors	5	*					a	2b	b Note 2 (OEC)	
8.c. Integrated Pest Management program							A	B	B Note 2 (OEC)	
8.d. Medical entomology in military operations										
8.d.(1). Biology of arthropods and rodents of medical importance							A	B	B Note 2 (OEC)	
8.d.(2). Perform Entomological Risk Assessment	5^	*				^	a	2b	2b Note 2 (OEC)	
8.d.(2).(a) Approve Entomological Risk Assessment Plan	7^	*				^	a	b	2b Note 2 (OEC)	
8.d.(3). Feral animal risk mitigation	5						A	B	B	
8.d.(4). Conduct Pest, Vector, and Disease surveillance										
8.d.(4).(a). Determine vector specific surveillance needs	5^	*				^	a	2b		
8.d.(4).(a).(1). Evaluate vector specific surveillance needs	7^	*				^	a	b	2b Note 2 (OEC)	
8.d.(4).(b). Set up collection sites and traps	5^	*				^	2b	2b		
8.d.(4).(b).(1). Evaluate collection sites and trap effectiveness	7^	*				^	b	b	2b Note 2 (OEC)	
8.d.(4).(c). Sort and count specimens	5^	*				^	2b	2b		
8.d.(4).(d). Pack and ship specimens	5^	*				^	2b	2b		
8.d.(4).(e). Review lab results		*					a	2b	2b Note 2 (OEC)	
8.d.(5). Make recommendations for prevention and control of vectors and pests	5^	*				^	a	2b		
8.d.(5).(a). Evaluate prevention and control of vectors and pests effectiveness	7^	*				^	a	b	2b Note 2 (OEC)	
8.d.(6). Make recommendations for personal protection measures	5^	*				^	a	2b		
8.d.(7). Evaluate effectiveness of pest management program	7^					^	a	b	2b Note 2 (OEC)	
8.e. DoD Pre-Clearance Program and Host Nation Biosecurity (previously known as quarantine and retrograde) *See Note 3										
8.e.(1). Purpose and terminology							A	A	A	
8.e.(2). Functions and responsibilities							A	A	A	

9. DEPLOYED/DISASTER RELIEF TR: Medical Operations: AFDD 4-02, *Health Services* **; AFH 10-222V1,** *Civil Engineer Bare Base Developmen* **t; AFH** *10-222V2, Guide to Bare Base Assets* **; AFH 10-222V4,** *Environmental Considerations for Overseas Contingency Operations* **; AFPAM 10-219V1,** *Contingency and Disaster Planning* **; AFPAM 10-219V2,** *Civil Engineer Contingency Response & Recovery Preparation* **s; AFPAM 10-219V3,** *Civil Engineer Contingency Response and Recovery Procedures* **; AFPAM 10-219V5,** *Bare Base Conceptual Planning* **; AFI 10-402,** *Vol. 1, Mobilization Planning* **; AFI 10-403,** *Deployment Planning and Execution* **; AFI 10-404,** *Base Support and Expeditionary (BAS&E) Site Planning* **; AFMAN 10-2503,** *Operations in a Chemical, Biological, Radiological, and Nuclear (CBRN) Environment* **; AFI 10-2519,** *Public Health Emergencies and Incidents of Public Health Concern* **; AFD 16-6,** *Internation Arms Control and Nonproliferaction Agreements and the DoD Foreign Clearance Program* **; AFJI 23-504,** *Radioactive Commodities in the DoD Supply System* **; AFI 25-101,** *War Reserve Material (WRM)* **; AFJI 31-304,** *Enemy Prisoner of War, Civilian Internee, Retained Personnel, and Other Detainees* **; AFMAN 32-4006,** *Nuclear, Biological, and Chemical (NBC) Mask Fit and Liquid Hazard Simulant Training* **; AFI 33-102,** *Communications and Information Specialized Publications* **; AFI 34-501,** *Mortuary Affairs Program* **; AFI 36-2644,** *Self-Aid and Buddy Care Training* **; AFI 41-106,** *Medical Readiness Program Management* **; AFI 41-301,** *Worldwide Aeromedical Evacuation System* **; AFJMAN 44-149,** *Treatment of Chemical Agent Casualties and Conventional Military Chemical Injuries* **; AFI 48-101,** *Aerospace Medicine Enterprise* **; FM 21-10-1,** *Unit Field Sanitation and Hygiene* **; FM 21-76,** *Survival; Navy Environmental Health Center (NEHC) Standard Operation Procedure for Environmental Health Site Assessments* **; AFMAN 32-4017,** *CE Manual for NBC Defense* **; Joint Publication 3-41,** *Chemical, Biological, Radiological, Nuclear and High-Yield Explosive Consequence Management* **; JP 5-0,** *Joint Operation Planning*

9.a. Conduct training (i.e., Medical Intelligence, field hygiene/sanitation, risk communication)	5^	*					^	2b	2b		
9.a.(1). Develop training (i.e., Medical Intelligence, field hygiene/sanitation, risk communication)	7^	*					^	b	b	2b	
9.b. Identify requirements for placement, construction, and sustainment of (such as site selection, to include inspections):											
9.b.(l). Living areas	5^	*					^	a	2b		
9.b.(2). Food facilities	5^	*					^	a	2b		
9.b.(3). Medical treatment facility	5^	*					^	a	2b		
9.b.(4). Latrines, showers, and handwashing facilities	5^	*					^	a	2b		
9.b.(5). Waste and refuse disposal facilities	5^	*					^	a	2b		
9.c. Make recommendations for placement, construction, and sustainment of (such as site selection, to include inspections):											
9.c.(l). Living areas	7^	*					^	a	b	2b	
9.c.(2). Food facilities	7^	*					^	a	b	2b	
9.c.(3). Medical treatment facility	7^	*					^	a	b	2b	
9.c.(4). Latrines, showers, and handwashing facilities	7^	*					^	a	b	2b	
9.c.(5). Waste and refuse disposal facilities	7^	*					^	a	b	2b	
9.d. Potable Water Sources in a Deployed/Humanitarian Environment											
9.d.(1). Perform chlorine residual/pH test	7									2b	
9.d.(2). Perform bacteriological water testing	7									2b	
9.e. Thermal stress in a Deployed/Humanitarian Environment											
9.e.(1). Roles and interaction in the Thermal Injury Prevention Program	7									B	
9.e.(2). Thermal stress hazards	7									B	
9.e.(3). Thermal injury prevention	7									B	
9.e.(4). Thermal injury risk assessment	7									B	
9.e.(5). Perform Wet-Bulb globe temperature monitoring	7									2b	
9.e.(6). Identify cold stress risk determination and frostbite risk levels	7									2b	
9.e.(7). Develop thermal stress control recommendations	7									2b	
9.f. Water Vulnerability Assessments (WVA) in Deployed/Humanitarian Environments											
9.f.(1). Water vulnerability assessment overview	7									B	
9.f.(2). WVA water distribution map overview	7									B	
9.g. Occupational and Environmental Health Site Assessment (OEHSA) in Deployed/Humanitarian Environments											
9.g.(1). OEHSA overview	7									B	
9.g.(2). Site selection overview	7									B	
9.h. Identify safe food sources	7	*						a	b	3c	
9.i. Prepare after action report								a	2b		
9.j. CBRNE agents											
9.j.(1). Characteristics		*						A	B		
9.j.(2). Roles responsibilities		*						A	B		
9.k. Team functions and responsibilities for Operations Other Than War (OOTW)		*						B	B		
9.l. Team functions and responsibilities for war		*						B	B		
9.m. Deliberate and Crisis Action Planning		*						B	B		
9.n. Food and Water Risk Assessment	7	*						A	B	B	