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**AFSC 4E0X1  
PUBLIC HEALTH  
CAREER FIELD EDUCATION AND TRAINING PLAN**

**Summary:** These changes are applicable to the electronically published 4E0X1 CFETP, dated 30 June 2020, and are effective immediately.

1. Remove 4E0X1 STS pages 25-32 and replace with the attached document. Due to administrative oversight, the STS line items were not appropriately numbered to ensure myTraining CFETP upload.
2. Page Inserts: 20
3. After necessary action, file this sheet in the back of the CFETP.

**BY ORDER OF THE SECRETARY OF THE AIR FORCE**

OFFICIAL

JOHN J. DEGOES  
Lieutenant General, USAF, MC, FS  
Surgeon General

Attachment:  
4E0X1 CFETP Inserts

1. Tasks, Knowledge And Technical References	2. Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided via ICW and/or course			
	Core/Cert	Deployment * / SEI + CBRN ~	A	B	C	D	E	A	B	C	D
			Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	3-lvl	5-lvl	7-lvl	9-lvl
<b>1. MISSION AND ORGANIZATION TR: AFI 44-102, Medical Care Management; AFI 48-101, Aerospace Medicine Enterprise</b>											
1.1. Relationships with local, state and federal public health, food inspection, occupational safety and health agencies, and other military branches/counterparts								A	B		
<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</b>											
2.1. Principles and elements								A			
<b>2.2. Effective writing</b>											
2.2.1. Prepare written correspondence								1a	2b	2b	
2.2.2. Prepare email correspondence								a	2b	2b	
<b>2.3. Education and Training</b>											
2.3.1. Prepare lectures and briefings	5^	*						2b	2b		
2.3.1.1. Validate accuracy of lectures and briefings	7^	*						2b		3c	
2.3.2. Present lectures or briefings	5	*						2b	2b		
2.3.2.1. Evaluate lectures or briefings presentation	7	*						2b		3c	
2.4. Deliver Risk Communication Message	5	*						a	1a		
2.4.1. Develop Risk Communication Message	7	*						a		2b	
<b>3. SUPERVISION AND TRAINING TR: AFI 36-2101, Classifying Military Personnel (Officer and Enlisted); AFI 36-2670, Total Force Development; AFH 36-2618, The Enlisted Force Structure; Air Force Enlisted Classification Directory/Air Force Officer Classification Directory (<a href="https://www.afpc.af.mil/Classification/">https://www.afpc.af.mil/Classification/</a>)</b>											
<b>3.1. Career Field Education and Training Plan (CFETP)</b>											

3.1.1. AFSC								A			
3.1.2. CFETP								A	B	C	
3.1.3. Proficiency Code Key								A	B	B	
3.1.4. Utilize Task Breakdown Library								a	2b	2b	
3.1.5. Evaluate personnel									2b	3c	
3.1.6. Utilize electronic training records								2b	2b	3c	
3.1.7. Develop and Manage Master Training Plan									a	2b	
<b>3.2. Career ladder progression</b>											
3.2.1. Progression in career ladder								A			
3.2.2. 4E031/4E051/4E071/4E091/4E000 duties								A			
3.2.3. Utilize Electronic Career Path Tool (e.g. MyVector)								a	b	2b	
<b>4. OFFICE MANAGEMENT TR: AFI 36-2110, Assignments; AFI 41-102, Air Force Medical Expense and Performance Reporting System (MEPRS) for Fixed Military Medical and Dental Treatment Facilities; AFI 65-601, Volume 1, Budget Guidance and Procedures; AFI 65-601, Volume 2, Budget Management for Operations; AFI 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; <a href="http://www.e-publishing.af.mil/">http://www.e-publishing.af.mil/</a>; Air Force Disease Reporting System Internet (AFDRSi), <a href="https://data.nmcpnc.med.navy.mil/afdrsi/Login.aspx">https://data.nmcpnc.med.navy.mil/afdrsi/Login.aspx</a>; Department of Defense Military Health System, <a href="https://dmhrsi.csd.disa.mil/OA_HTML/AppsLogin">https://dmhrsi.csd.disa.mil/OA_HTML/AppsLogin</a>; Management Internal Control Toolset (MICT), <a href="https://mict.us.af.mil/MyMict.aspx">https://mict.us.af.mil/MyMict.aspx</a></b>											
4.1. Prepare and update operating instructions									2b	3c	
4.2. Use operating instructions								a	2b		
4.3. Utilize electronic publications and policies								1a	2b		
4.4. Air Force inspection system								A	B		
4.5. Compile Public Health metrics								a	2b	2b	
4.6. Provide Public Health input to meetings/working groups (e.g. AMC, OEHWG, ESOH, etc...)								a	2b	2b	
<b>4.7. Information Systems Management</b>											
<b>4.7.1. Utilize desktop computer applications</b>											
4.7.1.1. Microsoft Word								2b			
4.7.1.2. Microsoft PowerPoint								2b			
4.7.1.3. Microsoft Excel								2b	2b	2b	
<b>4.7.2. Utilize PH computer applications</b>											

4.7.2.1. ASIMS		*						2b	3c		
4.7.2.2. AFDRSi **#		*						b	2b		
4.7.2.3. ESSENCE **#	5	*						a	2b		
4.7.2.4. AFSAS								1a	2b		
4.7.2.5. DOEHRS-HC	5							2b Note 1	2b Note 1	2b Note 1	
4.7.2.6. DOEHRS-DR	5							a	2b		
4.7.2.7. DOEHRS-IH (ANG/AFRC)	5							a	2b		
4.7.2.8. DOEHRS-IH (AD only)								a	a	a	
4.7.2.9. Electronic Health Records System	5^							a	2b		
4.7.2.10. MICT								a	b	2b	
4.7.2.11. VSIMS	5							a	2b		
<b>4.8. Resource Management</b>											
4.8.1. Manage supplies and equipment #								Dash	1a	2b	
4.8.2. Manage budgetary process **								Dash	a	2b	
4.8.3. Manage Public Health manpower documents **#	7							Dash	b	2b	
<b>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</b>											
5.1. Microbiology								A	B		
5.2. Chemistry								A	B		
5.3. Basic medical terminology and abbreviations		*						A	B		
5.4. Medical Ethics		*						A	B		
<b>5.5. Legal aspects</b>											
5.5.1. HIPAA								A	B		
5.5.2. Privacy Act								A	B		
5.5.3. Reporting HIPAA disclosures								Dash	1a		
<b>5.6. Patient Administration</b>											
5.6.1. Make entries	5	*						2b	2b		
5.6.2. Determine and provide patient education requirements	5^							2b	2b		
<b>5.7. Anatomy &amp; Physiology of the Human Body</b>											
5.7.1. Descriptive terms and topographic anatomy		*						A	B		

5.7.2. Major organs and systems		*					A	B		
5.7.3. Human physiology							A	B		
5.7.4. Fluid and chemical balance							A	B		
5.7.5. Functions and adaptations of cells and tissues							A	B		
5.7.6. Thermal regulation							A	B		
5.7.7. Metabolism/energy production							A	B		
5.7.8. Oxygenation and circulation							A	B		
5.7.9. Nutrition and elimination							A	B		
5.7.10. Activity and rest							A	B		
5.7.11. Protection and regulation							A	B		
5.7.12. Reproduction							A	B		
5.7.13. Human growth, development, and the aging process							A	B		
<b>5.8. Basic Human Needs Theory</b>										
5.8.1. Personal hygiene		*					A			
5.8.2. Environmental/community health							A			
5.8.3. Nutrition and exercise							A		B	
5.8.4. Psychological adjustments mental health							A		B	
5.8.5. Substance abuse							A		B	
5.8.6. Body defenses and healing processes							A		B	
<b>5.9. Fundamentals of Immunology</b>										
5.9.1. Principles of Immunology							B	B		
5.9.2. Assess vaccination/serology status	5^	*					2b	2b		
5.9.3. 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>**

<b>6.1. Deployment Health</b>											
6.1.1. Oversee Medical Deployment Clearance Process	7^	*						b	b	2b	
6.1.2. Prepare and conduct deployment health threat briefings	5^	*						2b	2b		
6.1.3. Evaluate deployment health threat briefings	7^	*						b	b	2b	
6.1.4. Prepare, coordinate, and conduct pre/post deployment health clearances	5^	*						2b	2b		
6.1.5. 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		
6.1.6. 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		
6.1.7. Verify AOR Waiver disposition	5^	*						a	2b		

6.1.8. Provide training on the medical deployment process to UDMs	5^						a	2b		
6.1.9. Provide Travel Medicine Recommendations (e.g. Leisure travel, TD, etc.)							a	2b	2b	
6.1.10. Conduct Quality Assurance Review	7^						a	b	2b	
<b>6.2. Occupational Health</b>										
<b>6.2.1. Functions and responsibilities</b>										
6.2.1.1. Occupational Safety and Health Programs (e.g. OSHA,NIOSH, etc.)							A	B		
6.2.1.2. USAF Occupational Safety and Health Programs							A	B		
6.2.1.3. Workplace Supervisor Consultation (Such as: trend analysis, rosters, education, etc.)							A	B		
6.2.1.4. Perform occupational health shop visits	5^						a	2b		
6.2.1.5. Review and approve shop specific HAZCOM plans	7^						a	b	2b	
6.2.1.6. Public Health's role in Respiratory Protection Program	5						A	B		
6.2.1.7. Conduct Fitness and Risk Evaluations							b	2b	2b	
<b>6.2.2. Basics of industrial operations</b>										
6.2.2.1. Toxicology							A	B		
<b>6.2.2.2. Potential Occupational Hazards</b>										
6.2.2.2.1. Chemical							A	B		
6.2.2.2.2. Physical							A	B		
6.2.2.2.3. Biological							A	B		
6.2.2.2.4. Radiological							A	B		
<b>6.2.2.3. Occupational Safety and Health Education</b>										
6.2.2.3.1. Identify educational requirements based on occupational exposure data and shop visit findings	5^						1a	2b		

6.2.2.3.1.1. Assess educational requirement recommendations	7^							a	b	2b	
6.2.2.3.2. Identify occupational education and training requirements (e.g. Federal, State and regulatory) (formerly known as Expanded Standards)	5^							1a	2b		
6.2.2.3.2.1. Assess occupational education and training requirements recommendations (e.g. Federal, State and regulatory) (formerly known as Expanded Standards)	7^							a	b	2b	
6.2.2.3.3. Hazard communication and safety data sheets (SDS)								A	B		
6.2.2.3.4. Provide personal protective equipment education								a	2b		
6.2.2.3.5. Ergonomics								A	B		
6.2.2.3.6. Fetal protection and reproductive health								A	b		
<b>6.2.3. Occupational Illness and Injury</b>											
6.2.3.1. Distinguish between illness and injury	5^							b	2b		
6.2.3.2. Conduct surveillance for occupational illness	5^							b	2b		
6.2.3.3. Investigate and report occupational illness	5^							2b	2b		
6.2.4. Thermal injury/illness reporting and investigation requirements	7									2b	
6.2.5. Conduct Quality Assurance Review	7^							a	b	2b	
<b>6.3. Occupational Medical Surveillance Examinations</b>											
6.3.1. Interpret and compare Bioenvironmental occupational exposure data to regulatory requirements	5^							2b	2b		

6.3.1.1. Utilize Bioenvironmental occupational exposure data to determine examination requirements	7^							b	b	2b	
6.3.2. Identify types of exams	5							a	b		
6.3.3. Identify occupational exam(s) and regulatory requirements	5^							2b	2b		
6.3.4. Determine effects of industrial hazards to target organs	5^							1b	2b		
6.3.5. Coordinate initial or follow-up tests, other than audiograms, in support of occupational health	5							1a	2b		
6.3.6. Ensure medical surveillance exam completion and documentation								a	2b	2b	
<b>6.4. Occupational Epidemiology</b>											
6.4.1. Conduct occupational epidemiology analysis (e.g. indoor air quality data, OEHME trend analysis, etc.)	7^							a		2b	
6.4.2. Conduct Quality Assurance Review	7^							a		2b	
<b>6.5. Hearing Conservation</b>											
<b>6.5.1. Hearing Conservation Program</b>											
6.5.1.1. Physical properties of sound								B See Note 1	B See Note 1		
6.5.1.2. Structure and Function of the ear								B See Note 1	B See Note 1		
6.5.1.3. Roles and Responsibilities								B See Note 1	B See Note 1		
6.5.1.4. Manage Hearing Conservation program	7^							a	b	2b	
6.5.1.5. Perform Lighted Ear Exam	5^							3c See Note 1	3c See Note 1		
6.5.1.6. Select, fit, educate and document on protective devices	5^							3c See Note 1	3c See Note 1	3c See Note 1	
6.5.1.7. Documentation of audiogram results and verify co-signature requirement (to include non-occupational)	5^							2b See Note 1	2b See Note 1		

6.5.1.8 Conduct Quality Assurance Review	7^							a	b	2b	
<b>6.6.1. DOEHS-HC</b>											
6.6.1.1. Conduct and document occupational audio testing	5^							3c See Note 1	3c See Note 1		
6.6.1.2. Perform audiometer calibration check	5^							3c See Note 1	3c See Note 1		
6.6.1.3. Identify abnormal audiogram results and conduct appropriate follow-up	5^							3c See Note 1	3c See Note 1		
6.6.1.4. Conduct appropriate follow-up for PTS	5^							3c See Note 1	3c See Note 1		
6.6.1.5. Process/track audio forms and referrals	5^							a	2b		
6.6.1.6. Process and follow-up OSHA reportable hearing loss	5^							2b	2b		
<b>6.7. Medical treatment facility/base employee health program</b>											
6.7.1. Manages medical/base employee health program	7							b	b	2b	
6.7.2. Monitor those exposed to blood borne pathogens	5							2b	2b		
6.7.3. Monitor those exposed to airborne pathogens	5							2b	2b		
6.7.4. Monitor immune status and make recommendations	5							2b	2b		
6.7.5. Identify Public Health's role in support of Infection control								a	b	b	
6.7.6. Conduct Quality Assurance Review	7^							a	b	2b	
<b>6.8. Reproductive health program</b>											
6.8.1. Program fundamentals								A	B		
6.8.1.1. Manages Reproductive health program	7								b	2b	
6.8.2. Interview/educate pregnant workers on potential fetal hazards	5^							b	2b		
6.8.3. Interview supervisors								b	2b	2b	
6.8.4. Initiate and document recommended preventative restrictions	5^							b	2b		

6.8.5. Conduct Quality Assurance Review	7^						a	b	2b		
<b>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-I, 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 (<a href="http://www.commissaries.com/inside_deca/publications/directives/directives_index.cfm">http://www.commissaries.com/inside_deca/publications/directives/directives_index.cfm</a>); Joint Receipt Food Inspection Manual; 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 (<a href="http://www.AFHSC.mil">www.AFHSC.mil</a>); CDC Epidemiology and Prevention of Vaccine-Preventable Disease, The Pink Book, Current Edition; Air Force (AF) School-Age Care (SAC) Inspection Criteria, January 2015</b>											
<b>7.1. Food Safety</b>											
7.1.1. Functions and responsibilities							A	B			
<b>7.2. Food chemistry and microbiology</b>											
7.2.1. Food		*					B	B			
7.2.2. Acid		*					B	B			
7.2.3. Time		*					B	B			
7.2.4. Temperature		*					B	B			
7.2.5. Oxygen		*					B	B			
7.2.6. Moisture		*					B	B			
7.2.7. Preservation techniques, food packaging, and anti-microbial properties		*					B	B			
7.2.8. Food pathogens		*					B	B			
<b>7.3. Causes of food deterioration/spoilage</b>											
7.3.1. Meat products		*					B	B			
7.3.2. Waterfood products		*					B	B			
7.3.3. Egg products		*					B	B			
7.3.4. Dairy products		*					B	B			
7.3.5. Fresh fruits and vegetables		*					B	B			

7.3.6. Semi-perishables		*					B	B		
<b>7.4. Principles and techniques of storing</b>										
7.4.1. Semi-perishables	5	*					B	B		
7.4.2. Perishables	5	*					B	B		
<b>7.5. Approved Sources of Food</b>										
7.5.1. Identify foods that require source approval	5^	*					2b	2b		
7.5.1.1. Initiate new food sources approval process	7^	*					b	b	2b	
<b>7.5.2. Use the appropriate approved source</b>										
7.5.2.1. Meat products	7^	*					b	b	3c	
7.5.2.2. Poultry products	7^	*					b	b	3c	
7.5.2.3. Waterfood products	7^	*					b	b	3c	
7.5.2.4. Dairy products	7^	*					b	b	3c	
7.5.2.5. Bakery products	7^	*					b	b	3c	
7.5.2.6. Other items listed in Circular 40-1, not identified above (e.g. ice, water, Kimchi, etc.)	7^	*					b	b	3c	
7.5.2.7. Locally approved sources list	7^	*					a	b	3c	
<b>7.6. Food Inspection Manuals and Directives</b>										
7.6.1. Use food inspection manuals and directives (Joint Receipt Inspection Manual, Joint Surveillance Inspection Manual)	5	*					b	2b		
<b>7.7. Thermometers</b>										
7.7.1. Calibrate food thermometers	5^	*					2b	2b		
<b>7.8. Temperatures</b>										
7.8.1. Monitor temperatures	5^	*					2b	2b		
<b>7.9. Safety and security of foods on receipt</b>										
7.9.1. Perform receipt inspection of food	5^	*					b	2b		
<b>7.10. Safety of food during storage</b>										
7.10.1. Perform surveillance inspections	5						b	2b		
7.10.2. Investigate Food Quality Reports (DeCA Form 40-45)	5^						b	2b		

7.10.3. Conduct food recalls (e.g. FDA recalls ALFOODACT, VSIMS)	5^	*						2b	2b		
7.10.4. Recommend disposition of damaged/distressed/expired foods	5^	*						1a	2b		
7.10.4.1. Approve disposition of damaged/distressed/expired foods (TR: AFI 48-116; para 2.9.15 & 2.9.16)	7^	*						a		2b	
<b>7.11. Operational rations</b>											
7.11.1. Purpose and terminology	5	*						B	B		
7.11.2. Perform operational rations inspection	5^	*						2b	2b		
7.11.2.1. Manage operational rations inspection program	7^	*						b	b	2b	
<b>7.12. Analysis Procedures</b>											
7.12.1. Fundamentals of microbiological testing		*						A	B		
7.12.2. Collect, prepare and forward food samples for shipment	5	*						b	2b		
7.12.3. Perform sensory analysis of food samples	5	*						2b	2b		
7.12.4. Perform pH analysis of food	5	*						2b	2b		
7.12.5. Make recommendations based on analysis	5	*						2b	2b		
<b>7.13. Tri-Service Food Code</b>											
7.13.1. Introduction to the Tri-Service Food Code		*						A	B		
7.13.2. Perform sanitation and food defense evaluations of food processing, storage and serving facilities on installations	5	*						2b	2b		
<b>7.13.3. Cottage Food Operations</b>											
7.13.3.1. 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	

<b>7.13.4. 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)</b>										
7.13.4.1. Define Farmers Market Risk Levels	7						b		2b	
7.13.4.2. Maintain food safety and sanitation	7						b		2b	
7.13.4.3. Review local health department sanitation inspections (e.g. food trucks, local restaurants catering, etc.)	7						b		2b	
7.13.4.4. Approve pre-operational plans	7						b		2b	
7.13.4.4.1. Conduct pre-operational and recurring sanitation inspections IAW AFMAN 48-147	7						b		2b	
<b>7.14. Foodhandler knowledge and training</b>										
7.14.1. Employee and supervisor training plans							A	B		
7.14.2. Develop and conduct foodhandler supervisor training							a	2b	2b	
<b>7.15. Evaluations of off-base food facilities</b>										
7.15.1. Perform evaluations of off-base food facilities (processing, storage and serving)	7^						a	b	2b	
<b>7.16. Prepare reports</b>										
7.16.1. Document recommendations regarding public health evaluations	5^	*					2b	2b		
7.16.2. Use evaluation findings to rate facilities	5^	*					2b	2b		
7.16.3. 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	

7.16.4. Draft trend analysis for facility sanitation	5							b	2b		
7.16.4.1. Route trend analysis and track to completion of routing	7							b	b	2b	
7.16.5. Conduct Quality Assurance Review	7^							a	b	2b	
<b>7.17. Foodborne/waterborne disease outbreak investigations</b>											
7.17.1. Conduct foodborne/waterborne disease outbreak investigations	5^	*						b	2b		
7.17.1.1. Direct foodborne/waterborne disease outbreak response	7^	*						b	b	2b	
<b>7.18. Principles of food defense</b>											
7.18.1. Food vulnerability assessment (FVA) protocol		*						A	B		
7.18.2. Perform FVA and prepare/submit report	5^	*						b	2b		
7.18.2.1. Present FVA and report findings	7^	*						b		2b	
7.18.3. Gather threat information (i.e. Intel, OSI, local law enforcement)	5^	*						a	2b		
7.18.4. Evaluate food safety/vulnerability provisions for local and contingency contracts	7^							a	b	2b	
7.18.5. Evaluate security of foods during storage	5^	*						b	2b		
<b>7.19. Principles of Epidemiology</b>											
7.19.1. Functions and responsibilities		*						A	B	B Note 2 (EPI)	
7.19.2. Agent, host and environmental factors		*						A	B	B Note 2 (EPI)	
7.19.3. Health Equity								A	B		
7.19.4. Social Determinants of Health								A	B		
<b>7.19.5. Intro to biostatistics</b>											
7.19.5.1. Key terms								A	A	B Note 2 (EPI)	
7.19.5.2. Principles of surveillance								A	B	B Note 2 (EPI)	

7.19.5.3. Compile and maintain data							1a	2b	2b Note 2 (EPI)	
7.19.5.4. Identify and evaluate trends							1a	2b	2b Note 2 (EPI)	
<b>7.19.6. Epidemiological Investigations</b>										
7.19.6.1. Identify epidemiologic steps of an outbreak investigation	5^						1a	2b		
7.19.6.2. Perform epidemiologic steps of outbreak investigation	7^						b	b	2b Note 2 (EPI)	
7.19.6.3. Perform risk assessments (e.g. TB, influenza, immunizations)	7^						b	b	2b Note 2 (EPI)	
<b>7.20. Principles of Communicable Disease Control</b>										
7.20.1. Functions and responsibilities							B	B		
<b>7.20.2. Communicable diseases</b>										
7.20.2.1. Sexually transmitted infections	5	*					B	B		
7.20.2.2. Rabies	5	*					B	B		
7.20.2.3. Viral Hepatitis	5	*					B	B		
7.20.2.4. HIV	5	*					B	B		
7.20.2.5. TB	5	*					B	B		
7.20.2.6. Influenza	5	*					B	B		
7.20.2.7. Emerging/reemerging diseases of operational importance	5	*					B	B		
7.20.2.8. Special Pathogens (e.g. Ebola, CCHF)	5	*					B	B		
<b>7.21. Modes of transmission</b>										
7.21.1. Direct	5	*					B	B		
7.21.2. Indirect	5	*					B	B		
7.21.3. Airborne	5	*					B	B		
<b>7.22. Communicable Disease Intervention</b>										
7.22.1. Interview patients	5^	*					2b	3c		
7.22.2. Educate patients on disease prevention and control	5^	*					2b	3c		
7.22.3. Initiate and report events	5	*					2b	2b		
7.22.4. Conduct Quality Assurance Review	7^						a	b	2b	

<b>7.23. Public facilities</b>										
7.23.1. Fundamentals of public facility sanitation							A	B		
<b>7.24. Perform evaluations of public facilities</b>										
7.24.1. Barber and beauty shops	5^						a	2b		
7.24.2. Child development centers	5^						a	2b		
7.24.3. School Age Programs**#	5^						a	2b		
7.24.4. Family child care**#	5^						a	2b		
7.24.5. Contract quarters	5^						a	2b		
7.24.6. Living quarters	5^						a	2b		
7.24.7. Services facilities	5^						a	2b		
<b>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 (<a href="https://www.feg.pentagon.mil">https://www.feg.pentagon.mil</a>); AFI 48-105, Public Health Surveillance; Armed Forces Health Surveillance Center (<a href="http://www.AFHSC.mil">www.AFHSC.mil</a>); AFPMB- TG-2, Feral Animal Risk Mitigation in Operational Areas, AFPMB TG Website: <a href="https://www.acq.osd.mil/eie/afpmb/techguides.html">https://www.acq.osd.mil/eie/afpmb/techguides.html</a></b>										
8.1. Functions and responsibilities							A	B	B Note 2 (OEC)	
8.2. Identify vectors	5	*					a	2b	b Note 2 (OEC)	
8.3. Integrated Pest Management program							A	B	B Note 2 (OEC)	
<b>8.4. Medical entomology in military operations</b>										
8.4.1. Biology of arthropods and rodents of medical importance							A	B	B Note 2 (OEC)	
8.4.2. Perform Entomological Risk Assessment	5^	*					a	2b	2b Note 2 (OEC)	
8.4.2.1. Approve Entomological Risk Assessment Plan	7^	*					a	b	2b Note 2 (OEC)	
8.4.3. Feral animal risk mitigation	5						A	B	B	
<b>8.4.4. Conduct Pest, Vector, and Disease surveillance</b>										
8.4.4.1. Determine vector specific surveillance needs	5^	*					a	2b		

8.4.4.1.1. Evaluate vector specific surveillance needs	7^	*					a	b	2b Note 2 (OEC)	
8.4.4.2. Set up collection sites and traps	5^	*					2b	2b		
8.4.4.2.1. Evaluate collection sites and trap effectiveness	7^	*					b	b	2b Note 2 (OEC)	
8.4.4.3. Sort and count specimens	5^	*					2b	2b		
8.4.4.4. Pack and ship specimens	5^	*					2b	2b		
8.4.4.5. Review lab results		*					a	2b	2b Note 2 (OEC)	
8.4.5. Make recommendations for prevention and control of vectors and pests	5^	*					a	2b		
8.4.5.1. Evaluate prevention and control of vectors and pests effectiveness	7^	*					a	b	2b Note 2 (OEC)	
8.4.6. Make recommendations for personal protection measures	5^	*					a	2b		
8.4.7. Evaluate effectiveness of pest management program	7^						a	b	2b Note 2 (OEC)	
<b>8.5. DoD Pre-Clearance Program and Host Nation Biosecurity (previously known as quarantine and retrograde) *See Note 3</b>										
8.5.1. Purpose and terminology							A	A	A	
8.5.2. Functions and responsibilities							A	A	A	
<b>9. DEPLOYED/DISASTER RELIEF TR: Medical Operations: AFDD 4-02, Health Services; AFH 10-222V1, Civil Engineer Bare Base Development; 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 &amp; Recovery Preparations; 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&amp;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, International Arms Control and Nonproliferation 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</b>										

**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**

9.1. Conduct training (i.e., Medical Intelligence, field hygiene/sanitation, risk communication)	5^	*						2b	2b		
9.1.1. Develop training (i.e., Medical Intelligence, field hygiene/sanitation, risk communication)	7^	*						b	b	2b	
<b>9.2. Identify requirements for placement, construction, and sustainment of (such as site selection, to include inspections):</b>											
9.2.1. Living areas	5^	*						a	2b		
9.2.2. Food facilities	5^	*						a	2b		
9.2.3. Medical treatment facility	5^	*						a	2b		
9.2.4. Latrines, showers and handwashing facilities	5^	*						a	2b		
9.2.5. Waste and refuse disposal facilities	5^	*						a	2b		
<b>9.3. Make recommendations for placement, construction, and sustainment of (such as site selection, to include inspections):</b>											
9.3.1. Living areas	7^	*						a	b	2b	
9.3.2. Food facilities	7^	*						a	b	2b	
9.3.3. Medical treatment facility	7^	*						a	b	2b	
9.3.4. Latrines, showers and handwashing facilities	7^	*						a	b	2b	
9.3.5. Waste and refuse disposal facilities	7^	*						a	b	2b	
<b>9.4. Potable Water Sources in a</b>											

<b>Deployed/Humanitarian Environment</b>										
9.4.1. Perform chlorine residual/pH test	7								2b	
9.4.2. Perform bacteriological water testing	7								2b	
<b>9.5. Thermal stress in a Deployed/Humanitarian Environment</b>										
9.5.1. Roles and interaction in the Thermal Injury Prevention Program	7								B	
9.5.2. Thermal stress hazards	7								B	
9.5.3. Thermal injury prevention	7								B	
9.5.4. Thermal injury risk assessment	7								B	
9.5.5. Perform Wet-Bulb globe temperature monitoring	7								2b	
9.5.6. Identify cold stress risk determination and frostbite risk levels	7								2b	
9.5.7. Develop thermal stress control recommendations	7								2b	
<b>9.6. Water Vulnerability Assessments (WVA) in Deployed/Humanitarian Environments</b>										
9.6.1. Water vulnerability assessment overview	7								B	
9.6.2. WVA water distribution map overview	7								B	
<b>9.7. Occupational and Environmental Health Site Assessment (OEHSA) in Deployed/Humanitarian Environments</b>										
9.7.1. OEHSA overview	7								B	
9.7.2. Site selection overview	7								B	
9.8. Identify safe food sources	7	*					a	b	3c	
9.9. Prepare after action report							a	2b		
<b>9.10. CBRNE agents</b>										
9.10.1. Characteristics		*					A	B		

9.10.2. Roles responsibilities		*						A	B		
9.11. Team functions and responsibilities for Operations Other Than War (OOTW)		*						B	B		
9.12. Team functions and responsibilities for war		*						B	B		
9.13. Deliberate and Crisis Action Planning		*						B	B		
9.14. Food and Water Risk Assessment	7	*						A	B	B	