

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

AIR FORCE MANUAL 10-2605



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Operations

**EDUCATION, TRAINING, AND EXERCISE
COMPETENCIES FOR COUNTER-
CHEMICAL, BIOLOGICAL,
RADIOLOGICAL, AND NUCLEAR
OPERATIONS**

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AFMAN 10-2605, *Education, Training, and Exercise (ETE) Competencies for Counter-Chemical, Biological, Radiological, and Nuclear (C-CBRN) Operations*, sets forth the knowledge, skills, and abilities (KSA) crucial to effective C-CBRN operations. These C-CBRN ETE KSAs, herein referred to as competencies, are an integral component of institutional Air Force C-CBRN operational capability. AFMAN 10-2605 implements elements of Air Force Policy Directive (AFPD) 10-26, *Counter-Chemical, Biological, Radiological and Nuclear Operations*, and AFPD 10-25, *Emergency Management*; and reflects Air Force Doctrine Annex 3-40, *C-CBRN Operations* and guidance within Air Force Instruction (AFI) 33-360, *Publications and Forms Management*.

The five doctrinal pillars of Air Force C-CBRN operations defined in Annex 3-40 organize unique Air Force operational capabilities that support the three sets of countering weapons of mass destruction (CWMD) activities (synchronizing, foundational, and specialized) within the *Department of Defense Strategy for Countering Weapons of Mass Destruction (DODS CWMD)* and the three pillars of the *National Strategy to Combat Weapons of Mass Destruction*. The competencies and associated levels of learning and proficiency codes within this manual contribute to Air Force operational capability. These Air Force-approved C-CBRN ETE competencies provide commanders, educators, trainers, and exercise developers with valuable tools to effectively perform CWMD operations and continue mission operations in a chemical, biological, radiological, and nuclear (CBRN) environment. While focused at Headquarters Air Force, Major Commands (MAJCOM), Field Operating Agencies (FOA), and Direct Reporting

Units (DRU), this manual applies to all units and ETE stakeholder activities under Air Force command and control to include the Air National Guard.

At foreign locations, this manual applies to the extent consistent with local conditions and treaty requirements, agreements, and other arrangements with foreign governments and allied forces. The authorities to waive wing/unit level requirements in this publication are identified with a Tier (“T-0, T-1, T-2, T-3”) number following the compliance statement. See AFI 33-360, Publications and Forms Management, Table 1.1 for a description of the authorities associated with the Tier numbers. When complying with official policy, guidance, and/or procedures, a unit may request a waiver. The fundamental aim of a waiver must be to enhance mission effectiveness at all levels, while preserving resources and safeguarding health and welfare. When a commander approves a waiver, the commander is communicating to subordinates and superiors that the commander accepts the risk created by non-compliance. Each requirement mandated for compliance at the Wing level found within this manual is tiered, signifying the appropriate waiver authority to the requirement. Submit requests for waivers through the chain of command to the appropriate Tier waiver approval authority, or alternately, to the Publication Office of Primary Responsibility (OPR) for non-tiered compliance items. This publication may be supplemented at any level. Direct Supplements must be routed to the OPR of this publication for coordination prior to certification and approval.

Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with (IAW) AFMAN 33-363, *Management of Records*, and disposed of IAW the Air Force Records Disposition Schedule located at <https://afrims.amc.af.mil>.

Refer recommended changes and questions about this publication to the Office of Primary Responsibility, AF/A10-S, using the AF IMT 847, *Recommendation for Change of Publication*; route AF IMT 847s from the field through the appropriate functional chain of command.

SUMMARY OF CHANGES

This document has been significantly modified for mission-to-task alignment of C-CBRN doctrinal activities to unit tasks prescribed within the Air Force Universal Task List (AFUTL). It should be thoroughly reviewed to ensure understanding of the revised competencies and recommended education and training associated with each.

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Chapter 1

C-CBRN ETE OVERVIEW

1.1. Strategic Overview. The *National Strategy to Combat Weapons of Mass Destruction*, published in 2002, describes three pillars of CWMD: nonproliferation, counterproliferation, and consequence management. The Department of Defense (DOD) accomplishes these national strategy pillars through three sets of CWMD activities identified in the DODS CWMD. First, DOD must synchronize CWMD efforts across the operational spectrum. Second, DOD must maintain and expand foundational CWMD-specific expertise and cooperate with and support partners. Finally, DOD must continue to develop and expand specialized CWMD capabilities to understand, control, defeat, disable, or dispose of weapons of mass destruction (WMD) threats while safeguarding the force and managing the consequences of WMD use. Similarly, the five doctrinal pillars of Air Force C-CBRN operations codified by Annex 3-40, published in 2007, support the three sets of CWMD activities and the three national pillars. The five Air Force doctrinal pillars are: proliferation prevention (PP), counterforce (CF), active defense (AD), passive defense (PD), and consequence management (CM). Underpinning these pillars are strategic enablers (EN) to enhance Air Force contributions to countering CBRN threats. The competencies within [Attachment 2](#) of this manual contribute directly to Air Force C-CBRN operational capability.

1.2. Doctrinal Pillars of C-CBRN Operations. As explained in Air Force doctrine, the pillars are mutually supporting and reinforcing, forming an overlapping and interlinked operational spectrum. Activities and operations falling within one of the doctrinal pillars may be conducted concurrently with activities and operations supporting one of the other doctrinal pillars.

1.2.1. Proliferation Prevention. Those actions (e.g., diplomacy, arms control, multilateral agreements, threat reduction assistance, export controls and interdiction) taken to prevent or limit the spread of WMD. By dissuading or impeding access to, or distribution of, sensitive technologies, materials or expertise, the Air Force can reduce the potential for adversary acquisition and use of WMD. Air Force PP capabilities include detecting, deterring, and denying an adversary's acquisition of CBRN weapons and components, via robust air, space, and cyberspace power capabilities. These capabilities help ensure prohibited technologies and materials do not get into the hands of potential adversaries or states potentially hostile to the U.S.

1.2.2. Counterforce. CF operations provide combatant commanders with the ability to defeat the full suite of CBRN capabilities before they can be used against U.S. interests, while minimizing collateral effects. CF operations aim to detect, deter, deny, degrade, or destroy adversary CBRN capabilities, including research and development, production, storage facilities, fielded forces, and related command and control.

1.2.3. Active Defense. AD operations attempt to intercept CBRN weapons *en route* to their targets. Successful AD operations can complement CF activities by forcing an adversary to alter attack strategies and expose CBRN assets. If CF operational capabilities are unsuccessful or unavailable, successful AD operations can reduce the threat, lessen the number of attacks, thwart an attack, allow more effective passive defense and consequence management responses, and enhance U.S./coalition operational capability following a CBRN

attack. Effective AD measures take into account AD capability sets (i.e., detect, divert, and destroy) with various planning considerations for each of the layered-defense domains (i.e., air, land, sea, space, and cyberspace). This layered defense approach incorporates networked systems, and employs both kinetic and non-kinetic means of defeat.

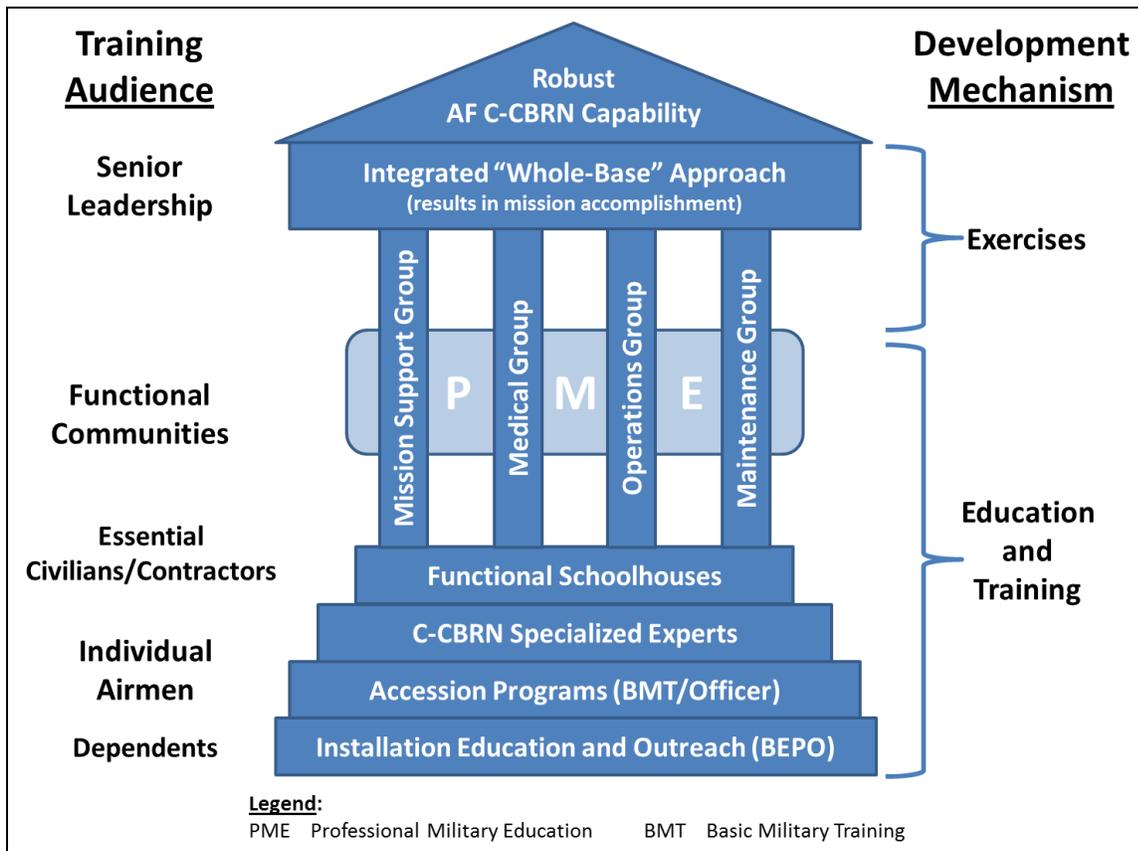
1.2.4. Passive Defense. CBRN PD measures improve the abilities of personnel, equipment, and assets to survive and sustain operations in a contaminated environment. PD measures maximize the ability to survive and operate in a contaminated environment through proper planning, training, risk assessment, and vulnerability and hazard mitigation. All activities/measures fall under one or more components of the PD framework, which consists of sense, shape, shield and sustain.

1.2.5. Consequence Management. CM activities serve to reduce the impact from an incident involving CBRN agents/materials and assist in the restoration of essential operations and services at home and abroad in a permissive environment. Regardless of the specific CBRN incident involved, there are effectively three phases to dealing with the post-attack consequences of an event: casualty management, remediation of the affected area, and restoration of essential services.

1.2.6. Strategic Enablers. EN activities, although not part of the five doctrinal pillars, are essential elements to the successful execution of many C-CBRN activities and operations that make up the five doctrinal pillars. EN activities include the collection, exploitation, and dissemination of CBRN intelligence data; the formation and sustainment of international partnerships; and strategic communications.

1.3. C-CBRN ETE Integrated Operational Context. A robust C-CBRN operational capability for the Air Force is not achieved through a single individual or skill-level, nor is it the responsibility of a single functional community. C-CBRN capability is realized through a life-cycle approach using Force Development principles to create an integrated whole-base capability. It is not developed as the result of a single lesson, schoolhouse, or exercise event, but rather the culmination of growing CBRN-smart Airmen capable of owning this operational environment regardless of an adversary's intent, will, possession, or use of CBRN weapons. To facilitate and achieve this operational objective, five targeted audiences are defined to manage and institutionalize the necessary KSAs that ultimately enable and sustain an integrated operational capability. **Figure 1.1** provides a graphic depiction of an integrated operational context.

Figure 1.1. Integrated Operational Context



1.3.1. Senior Leadership. Those with command authority and responsibility for directing C-DBRN operations. The O-6 plus category shown within the grade-band architecture in [Attachment 4](#) is recommended to produce Air Force leaders who understand the CBRN environment and apply effective operational risk management decisions.

1.3.2. Functional Specific. Those classified within certain Air Force Specialty Codes (AFSC) with sufficient knowledge of and competence in their C-DBRN tasks in functionally-driven tactics, techniques, and procedures (TTP). In essence, this enables those who perform functional skills that ensure critical operations (e.g., sortie generation, cargo throughput, etc.) to conduct those operations within a CBRN environment. Grade bands recommended in [Attachment 4](#) closely correlate to Air Force skill-levels.

1.3.3. Individual. The basic building block upon which all C-DBRN capability is realized. This is where the preponderance of Airmen, regardless of rank or AFSC affiliation, possesses sufficient knowledge of and competence in their ability to operate in a CBRN environment. To ensure the ability to not only survive, but to operate in a CBRN environment, our Airmen need the broadest foundational (or universal) level of understanding and ability.

1.3.4. Specialized Expertise. Those within certain United States Air Force (USAF) communities who provide the underpinning science, equipment acquisition and procurement, or innovative solutions to defeat the CBRN challenge.

1.3.5. Civilians and Contractors. Should have a well-established understanding of C-CBRN operations consistent with their duties and responsibilities. This AFMAN identifies competencies for emergency-essential and non-emergency-essential civilians and contractors. **Attachment 4** delineates competencies that may apply to civilian employees (emergency-essential, non-emergency essential, and senior leaders) and to contractor employees performing both emergency-essential and non-emergency-essential contractor services. Note: While this AFMAN identifies ETE competencies appropriate for contractor employees, it does not alter ETE responsibilities for any particular contract or contractor employee; ETE recommendations should be implemented through the applicable contract. Civilian and contractor ETE recommendations are commensurate with that of their military counterparts.

1.3.6. Dependents. All dependents should have a basic understanding of the hazards associated with the area they live in and should understand basic protective actions. This information should be included in Base Emergency Preparedness Orientation training IAW AFI 10-2501, *Air Force Emergency Management (EM) Program Planning and Operations*.

1.4. C-CBRN ETE Methodology. The Air Force C-CBRN Council employed a four-step methodology to institutionalize an Air Force C-CBRN operational capability: competency development; baseline evaluation; gap identification/assessment; and implementation. Iterations of the C-CBRN ETE methodology are conducted on a three-year basis, or as directed by the Air Force C-CBRN Council.

1.4.1. Competency Development. A measurable cluster of KSAs, or other attributes that an individual should possess to successfully perform consistent with a given task, condition, and standard.

1.4.1.1. *Focus Working Group.* AF/A3/5 convened a focus working group of selected subject matter experts (SME) whose knowledge, experience, and responsibilities contribute directly to C-CBRN operational capability. The SMEs identified the KSAs that should be taught, trained, and exercised by the Air Force to realize its desired C-CBRN operational capabilities. The focus working group generated an initial C-CBRN ETE competency list (CL).

1.4.1.2. *Competency List Roll-Up.* Once the focus working group produced the initial CL, the specific C-CBRN ETE competencies were edited for redundancy and accuracy. Each competency from the initial CL was then assessed for its contribution to operational capability and mission accomplishment as the primary criteria.

1.4.1.3. *ETE Proficiency Recommendations.* Education levels of learning and training proficiency codes were determined and applied against appropriate Air Force grade band(s) (e.g., E-1 – E-3) for each competency. In addition, SMEs examined each C-CBRN ETE competency to determine whether the knowledge or skill should be exercised and by which group(s). **Attachment 4** details the recommended levels of learning and proficiency codes, and articulates exercise recommendations for each C-CBRN ETE competency. Note: A number of the recommendations reflect group competencies and the team application of knowledge and skills. These exercise-only competencies (See **Paragraph 1.7**) do not provide individual training and education recommendations.

1.4.1.4. *Mission-to-Task Alignment.* A thorough analysis of C-CBRN related core guidance documents yielded a comprehensive list of tasks that should be performed to

sustain mission operations regardless of CBRN threats and/or contamination. SMEs aligned the C-CBRN doctrinal activities to unit tasks codified in the AFUTL. C-CBRN ETE competencies that support an essential AFUTL task, and subsequently contribute to the accomplishment of C-CBRN doctrinal operations, were retained in the final CL roll-up. Note: this analysis followed a mission-to-task methodology, which provided a direct linkage from the overarching mission down to the underlying ETE recommendations. **Attachment 3** details the AFUTL task linkages for each C-CBRN ETE competency.

1.4.2. Baseline Evaluation. Education and training stakeholders determined the current level of C-CBRN ETE within their domain.

1.4.3. Gap Identification and Assessment. Education and training stakeholders compared existing baselines with defined C-CBRN ETE competencies to identify shortfalls within their domain. The gap assessment provided potential corrective actions and identified resources recommended to eliminate the shortfalls.

1.4.4. Implementation. An approved implementation plan completes the C-CBRN ETE methodology by outlining steps necessary to institutionalize KSAs contributing to Air Force C-CBRN operational capability.

1.5. Competency Application. The C-CBRN ETE recommended competencies herein represent the KSAs that apply to Senior Leaders and Individuals (Airmen), regardless of functional specialty. Some apply to Airmen at all grade levels, some apply to a broad range of grade levels, and others apply to a narrow range of grade levels. In addition, select competencies apply to emergency-essential and non-emergency-essential civilians and contractors, and dependents. Educators, trainers, and exercise planners may integrate the C-CBRN ETE competencies most appropriate for their operational or functional needs, refer to **Attachment 4**. (T-1)

1.5.1. Though some C-CBRN ETE competencies appear to be functionally specific in nature, the intent was to identify universal KSAs and create C-CBRN ETE competencies that apply broadly across the Air Force.

1.5.2. Air Force Career Field Managers (AFCFM) should determine the C-CBRN ETE competencies that apply to their specific career field, and incorporate them into their existing Career Field Education and Training Plan (CFETP) as foundational KSAs. To aid the AFCFMs in this task, related references for each C-CBRN ETE competency are listed in **Attachment 3**.

1.5.3. Competencies should be used to develop AFSC-awarding courses, as appropriate. New C-CBRN training that is non-AFSC-specific should be vetted and approved through the corporate review process detailed in AFI 36-2201, *Air Force Training Program*.

1.6. Educational Levels of Learning and Training Proficiency Codes. The educational levels of learning in this manual use an adaptation of Bloom's cognitive taxonomy as outlined in AFMAN 36-2236, *Guidebook for Air Force Instructors*. The training proficiency codes follow the guidance contained in AFI 36-2201. Both the recommended levels of learning and recommended proficiency codes for the C-CBRN ETE competencies are outlined in **Attachment 4**. The C-CBRN ETE competencies and educational/training levels of learning represent Air Force recommendations that should be met collectively through various education and training venues across the Air Force, including formal education and technical training; MAJCOM-level,

base-level, other Service, and other federal agency education and training; and appropriate civilian academic institutions. NOTE: The Air Force Learning Committee (AFLC) has senior leader oversight of any changes to the established institutional competency development programs' (ICDP) curriculum baseline requirements. Submit any requests for changes to professional military education (PME), AF commissioning programs, and Basic Military Training (BMT) curricula as outlined in AFI 36-2301, *Developmental Education*.

1.7. Exercise Competencies. The exercise C-CBRN ETE competencies listed in [Attachment 4](#) may be incorporated into exercises, war games, and experiments to validate education and training programs and allow individuals to demonstrate their learned skills.

1.8. Air Force Institutional Competency List (ICL). The C-CBRN ETE competencies contained in [Attachment 2](#) support the Air Force Institutional Competency Employing Military Capabilities as outlined in the Air Force ICL.

Chapter 2

ROLES AND RESPONSIBILITIES

2.1. Headquarters Air Force.

2.1.1. Deputy Chief of Staff for Manpower, Personnel, and Services (AF/A1). Provides appropriate military and civilian education and training policy oversight and guidance in support of the C-CBRN ETE methodology process.

2.1.2. Deputy Chief of Staff for Intelligence (AF/A2). Provides appropriate military and civilian education and training policy oversight and guidance for intelligence personnel as recommended in [Attachment 4](#).

2.1.3. Deputy Chief of Staff for Logistics, Installations, and Mission Support (AF/A4). Provides guidance and expertise throughout the execution of the C-CBRN ETE methodology for non-medical PD, CM, and installation preparedness/integrated defense (ID) AD. AF/A4 should incorporate the contents of this manual into its plans and policies as appropriate. In coordination with AF/SG, AF/A4 reviews all PD, CM, and installation preparedness/ID AD training for accuracy and consistency with C-CBRN guidance.

2.1.4. The Assistant Chief of Staff for Strategic Deterrence and Nuclear Integration (AF/A10). Establishes policy, guidance, and procedures for C-CBRN ETE. AF/A10 oversees C-CBRN ETE competency development, the implementation of corrective actions to enable C-CBRN operational capability, and to develop a C-CBRN ETE funding strategy.

2.1.5. Surgeon General (AF/SG). Provides guidance and expertise throughout the execution of the C-CBRN ETE methodology for PP, medical PD, CM, and EN. AF/SG should incorporate the contents of this manual into its plans and policies as appropriate. In coordination with AF/A4, AF/SG reviews all PP, PD, CM, and EN training for accuracy and consistency with medical C-CBRN guidance.

2.2. Major Commands / Direct Reporting Units.

2.2.1. Headquarters, Air Education and Training Command (AETC/A5/8). Provides education and training integration expertise and guidance throughout execution of the C-CBRN ETE methodology for all facets of military education including BMT and officer ascension programs.

2.2.2. MAJCOMs/DRUs/FOAs. Should incorporate the applicable C-CBRN ETE competencies found in this manual into their education and training programs and MAJCOM-level exercises, commensurate with their unique mission areas, the potential impact of CBRN on those missions, and available resources. (T-1). Additionally, all MAJCOMs should support C-CBRN ETE competency development by providing input from SMEs with C-CBRN operational experience as requested.

2.3. Installations. In accordance with MAJCOM/DRU instructions, Air Force installation host units should apply the contents of this manual to ensure local education, training, and exercise events reinforce the C-CBRN ETE competencies listed in [Attachment 2](#). (T-2).

2.4. Additional Units.

2.4.1. Headquarters, Air University, Chief of Academic Affairs (AU/CFA). Serves as the certifying official for C-CBRN learning objectives at Air University and provides oversight for C-CBRN curricula development. AU/CFA, in support of AETC, also provides educational expertise and guidance throughout execution of the C-CBRN ETE methodology.

2.4.2. Headquarters, Air Force Civil Engineer Center (AFCEC), in support of AF/A4. Provides non-medical PD and CM expertise and guidance throughout execution of the C-CBRN ETE methodology. AFCEC should incorporate the contents of this manual into its plans and policies, as appropriate. (T-1). AFCEC supports AF/A4 as the Air Force certifying official for all proposed changes to PD and CM courses listed in AFI 10-2501. In addition, AFCEC coordinates with the Air Force Medical Support Agency (AFMSA) to ensure all PD and CM training is accurate and IAW applicable Air Force training guidance.

2.4.3. Air Force Medical Support Agency, in support of AF/SG. Provides medical C-CBRN expertise and guidance throughout execution of the C-CBRN ETE methodology, and should incorporate the contents of this manual into its plans and policies, as appropriate. (T-1). AFMSA also supports AF/SG's role as reviewer of relevant PP, PD, CM, and EN training for accuracy and consistency with medical C-CBRN guidance.

2.4.4. U.S. Air Force Center for Unconventional Weapons Studies (USAF CUWS). Provides C-CBRN expertise and confirms the technical accuracy of all C-CBRN educational materials presented within Air University consistent with its USAF Chief of Staff charter as the Air Force counterproliferation information depository and clearinghouse. (T-1).

2.4.5. United States Air Force Academy. Should incorporate the contents of this manual into its curricula, training, and exercises, as appropriate. (T-1).

Chapter 3

C-CBRN ETE COMPETENCY OVERVIEW

3.1. Competency Overview. Educators, trainers, and exercise developers should develop C-CBRN curricula, training materials, and exercise events using the appropriate C-CBRN ETE competencies listed in [Attachment 2](#). (T-1). The recommended minimum standard levels of learning and proficiency codes are detailed in [Attachment 4](#). AFCFMs should ensure that curriculum developers and lesson planners for all AFSC-awarding courses use the specific competency recommendations applicable to their students and monitor incorporation into the appropriate course materials. ETE stakeholders may exceed these recommended standards at their discretion as they view the competencies' applicability to their respective functional area(s) or mission(s). All competencies contribute to the Air Force's ability to operate in any CBRN environment. The C-CBRN ETE competencies were revised from their original form through a mission-to-task analysis process. This mission-to-task-to-educate-and-train methodology provides a direct linkage from the overarching mission down to the underlying C-CBRN ETE recommendations. Analysis of C-CBRN-related core guidance documents yielded a comprehensive list of recommendations and tasks that should be performed to accomplish the C-CBRN mission. These doctrinal activities are aligned to unit tasks as codified in the AFUTL. The resulting C-CBRN ETE competencies support these AFUTL tasks and contribute to the accomplishment of the C-CBRN doctrinal operations. See [Attachment 3](#) for associated AFUTLs and doctrinal references. The C-CBRN ETE competencies are aligned to the Air Force doctrinal pillars identified in Annex 3-40: proliferation prevention, counterforce, active defense, passive defense, and consequence management; supported by the cross-cutting capabilities of strategic enablers. The C-CBRN ETE competencies for C-CBRN operations contained within this manual supersede any preceding AF/A3/5-approved C-CBRN ETE competencies.

GARRETT HARENCAK, Maj Gen, USAF
ACS, Strategic Deterrence & Nuclear Integration

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

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Abbreviations and Acronyms

AAR—After Action Report

AD—Active Defense

AETC—Air Education and Training Command

AFCEC—Air Force Civil Engineer Center

AFCFM—Air Force Career Field Manager

AFGM—Air Force Guidance Memorandum

AFI—Air Force Instruction

AFJI—Air Force Joint Instruction

AFLC—Air Force Learning Committee

AFMAN—Air Force Manual

AFMSA—Air Force Medical Support Agency

AFOP—Air Force Operational-level Mission Essential Tasks

AFPAM—Air Force Pamphlet

AFPD—Air Force Policy Directive

AFSC—Air Force Specialty Code

AFSN—Air Force Strategic/National-level Mission Essential Tasks

AFST—Air Force Strategic/Theater-level Mission Essential Tasks

AFTA—Air Force Tactical-level Mission Essential Tasks

AFTTP—Air Force Tactics, Techniques, and Procedures

AFUTL—Air Force Universal Task List

AMC—Air Mobility Command

AMCP—Air Mobility Command Pamphlet

AOR—Area of Responsibility

APOD—Aerial Port of Debarkation

APOE—Aerial Port of Embarkation

AU/CFA—Air University

BDA—Battle Damage Assessment

BMT—Basic Military Training

C2—Command and Control

CBRN—Chemical, Biological, Radiological, and Nuclear

C-CBRN—Counter-Chemical, Biological, Radiological, and Nuclear

CF—Counterforce

CFETP—Career Field Education and Training Plan

CJCSI—Chairman Joint Chiefs of Staff Instruction

CL—Competency List

CM—Consequence Management

COA—Courses of Action

CONOPS—Concepts of Operation

CONUS—Continental United States

CWMD—Combating Weapons of Mass Destruction

DOD—Department of Defense

DODD—Department of Defense Directive

DODI—Department of Defense Instruction

DODS CWMD—Department of Defense Strategy for Countering Weapons of Mass Destruction

DRU—Direct Reporting Unit

DSCA—Defense Support of Civil Authorities

DTM—Directive Type Memorandum

EE—Emergency Essential

EM—Emergency Management

EN—Strategic Enabler

ETE—Education, Training, and Exercises

FOA—Field Operating Agency

FOUO—For Official Use Only

FPCON—Force Protection Condition
HN—Host Nation
HSPD—Homeland Security Policy Directive
IAW—In Accordance With
ICDP—Institutional Competency Development Program
ICL—Institutional Competency List
ID—Integrated Defense
IDRMP—Integrated Defense Risk Management Program
IEMP—Installation Emergency Management Plan
IO—Information Operations
ISR—Intelligence, Surveillance, and Reconnaissance
JP—Joint Publication
JPEO—Joint Program Executive Office
JRO—Joint Requirements Office
KSA—Knowledge, Skills, and Abilities
MAJCOM—Major Command
MCRP—Medical Contingency Response Plan
NATO—North Atlantic Treaty Organization
NEO—Non-combatant Evacuation Operation
NIMS—National Incident Management System
NP—Nonproliferation
NRF—National Response Framework
NS—National Strategy
NSPD—National Security Policy Directive
OCONUS—Outside the Continental United States
OP—Operational-level Mission Essential Tasks
OPR—Office of Primary Responsibility
PD—Passive Defense
PDD—Presidential Decision Directive
PME—Professional Military Education
PP—Proliferation Prevention
PPD—Presidential Policy Directive

ROE—Rules of Engagement

RUF—Rules for the Use of Force

S&T—Science and Technology

SABC—Self-Aid and Buddy Care

SME—Subject Matter Expert/Expertise

SOF—Special Operations Forces

STANAG—Standardization Agreement

TA—Tactical-level Mission Essential Tasks

TIC—Toxic Industrial Chemical

TIM—Toxic Industrial Material

T.O.—Technical Order

TTP—Tactics, Techniques and Procedures

USAF—United States Air Force

USAF CUWS—U.S. Air Force Center for Unconventional Weapons Studies

WMD—Weapons of Mass Destruction

Terms

Active Defense (AD)— The employment of limited offensive action and counterattacks to deny a contested area or position to the enemy. (JP 1-02) Also called AD. [AD operations attempt to intercept CBRN weapons en route to their targets.] (Annex 3-40) {Words in brackets apply only to the Air Force and are offered for clarity.}

Air Force Career Field Manager (AFCFM)— Air Force focal point for the designated career field within a functional community. The AFCFM serves as the primary advocate for the career field, addressing issues and coordinating functional concerns across various staffs; and is responsible for the career field policy and guidance. Also called AFCFM. (AFI 36-2201)

Air Force Emergency Management Program— The Air Force EM Program develops and implements measures for, and manages activities related to: emergency preparedness; incident management; and non-medical Counter-Chemical, Biological, Radiological, and Nuclear (C-CBRN) passive defense (PD) and consequence management (CM). The Air Force Director of Civil Engineers (AF/A4C) is the OPR for the Air Force EM Program. (Annex 3-40)

Air Interdiction— Air operations conducted to divert, disrupt, delay, or destroy the enemy's military potential before it can be brought to bear effectively against friendly forces, or to otherwise achieve objectives. Air interdiction is conducted at such distance from friendly forces that detailed integration of each air mission with the fire and movement of friendly forces is not required. (JP 3-0)

Airman— Any USAF member (officer or enlisted, active, reserve, or guard, along with Department of the Air Force civilians) who supports and defends the U.S. Constitution and serves our country. Airmen are those people who formally belong to the USAF and employ or

support some aspect of the USAF's air and space power capabilities. The term Airman is often used in a very narrow sense to mean pilot. An Airman is any person who understands and appreciates the full range of air and space power capabilities and can employ or support some aspect of air and space power capabilities. (Annex 1-1)

Area of Responsibility (AOR)— The geographical area associated with a combatant command within which a combatant commander has authority to plan and conduct operations. (JP 1-02)

Battlespace— The environment, factors, and conditions that must be understood to successfully apply combat power, protect the force, or complete the mission. This includes air, land, sea, space, and the included enemy and friendly forces, facilities, weather, terrain, the electromagnetic spectrum, and the information environment within the operational areas and areas of interest. (JP 1-02)

Biological Agent— A microorganism that causes disease in personnel, plants, or animals or causes the deterioration of materiel. (JP 1-02)

Career Field Education and Training Plan (CFETP)— A comprehensive core training document that identifies: life-cycle education and training requirements; training support resources, and minimum core task requirements for a specialty. It aims to give personnel a clear path and instill a sense of industry in career field training. (AFI 36-2201)

C-CBRN ETE Competencies— KSAs that must be educated, trained, and exercised by the Air Force to realize its desired C-CBRN operational capabilities.

C—CBRN ETE Competency List — A Headquarters Air Force A3/5-approved list, developed by subject matter experts, of KSAs contributing to C-CBRN operational capability, organized by doctrinal pillars (i.e., PP, CF, AD, PD and CM) of operations.

Chemical Agent— Any toxic chemical intended for use in military operations. (JP 1-02) [A chemical substance, which is intended for use in military operations to kill, seriously injure, or incapacitate personnel through its physiological effects. The term excludes riot control agents, herbicides, smoke, and flame.] (Annex 3-40) {Words in brackets apply only to the Air Force and are offered for clarity.}

Chemical, Biological, Radiological, and Nuclear Environment— A condition of warfare in which an adversary possesses or uses CBRN weapons, by-products, infrastructure, and associated delivery methods. (Annex 3-40)

Chemical, Biological, Radiological, and Nuclear Consequence Management— Actions taken to plan, prepare, respond to, and recover from chemical, biological, radiological, and nuclear incidents. Also called CBRN CM. (JP 3-41)

Coalition— An ad hoc arrangement between two or more nations for common action. (JP 1-02)

Command and Control (C2)— The exercise of authority and direction by a properly designated commander over assigned and attached forces in the accomplishment of the mission. These functions are performed through an arrangement of personnel, equipment, communications, facilities, and procedures employed by a commander in planning, directing, coordinating, and controlling forces and operations in the accomplishment of the mission. (JP 1-02)

Competencies— Clusters of KSAs and attributes an individual possesses to successfully perform consistent with a given task, condition, and standard.

Contamination— The deposit, absorption, or adsorption of radioactive material, or of biological or chemical agents on or by structures, areas, personnel, or objects. (JP 1-02)

Contamination Control— Procedures to avoid, remove, or render harmless (temporarily or permanently) nuclear, biological, and chemical contamination for the purpose of maintaining or enhancing the efficient conduct of military operations. (JP 1-02)

Counter—Chemical, Biological, Radiological, and Nuclear (C-CBRN) — Activities taken to detect, deter, disrupt, deny, or destroy an adversary’s CBRN capabilities and to minimize the effects of an enemy CBRN attack. Note: The interlinked components of C-CBRN operations are PP, CF, AD, PD, and CM. (Annex 3-40)

Counterforce (CF)— The employment of strategic air and missile forces in an effort to destroy, or render impotent, selected military capabilities of an enemy force under any of the circumstances by which hostilities may be initiated. Also called CF. (JP 1-02) [CF operations aim to detect, deter, deny, degrade, or destroy adversary CBRN capabilities including research and development, production and storage facilities, fielded forces, and related C2.] (Annex 3-40) {Words in brackets apply only to the Air Force and are offered for clarity.}

Counterproliferation (CP)— Those actions (e.g., detect and monitor, prepare to conduct counterproliferation operations, offensive operations, WMD, AD, and PD) taken to defeat the threat and/or use of WMD against the U.S., our military forces, friends, and allies. See also nonproliferation. (JP 1-02)

Doctrine— Fundamental principles by which the military forces or elements thereof guide their actions in support of national objectives. It is authoritative, but requires judgment in application. (JP 1-02)

Defense Support to Civil Authorities (DSCA)— Support provided by U.S. Federal military forces, DoD civilians, DoD contract personnel, DoD Component assets, and National Guard forces (when the Secretary of Defense, in coordination with the Governors of the affected States, elects and requests to use those forces in Title 32, U.S.C., status) in response to requests for assistance from civil authorities for domestic emergencies, law enforcement support, and other domestic activities, or from qualifying entities for special events. Also known as civil support. (DODD 3025.18)

Education— Instruction and study focused on creative problem solving that does not provide predictable outcomes. Education encompasses a broader flow of information to the student and encourages exploration into unknown areas and creative problem solving. (Annex 1-1)

Emergency-Essential Civilian and Employees Performing Essential Contractor Services— A civilian employee position-based designation to support the success of combat operations or the availability of combat-essential systems IAW *Title 10 United States Code* Section 1580 or a contractor employee performing an essential contract service as defined in DODI 1100.22, *Policy and Procedures for Determining Workforce Mix*, or DODI 3020.41, *Operational Contract Support (OCS)*.

Exercise— A military maneuver or simulated wartime operation involving planning, preparation, and execution. It is carried out for the purpose of training and evaluation. It may be a multinational, Joint, or single-Service exercise, depending on participating organizations. (JP 1-02)

Host Nation (HN)— A nation that receives the forces and/or supplies of allied nations and/or NATO organizations to be located on, to operate in, or to transit through its territory. (JP 1-02)

Individual Protective Equipment (IPE)— In nuclear, biological, and chemical warfare, the personal clothing and equipment required to protect an individual from biological and chemical hazards and some nuclear effects. (JP 1-02)

Installation— The term “military installation” means a base, camp, post, station, yard, center, or other activity under the jurisdiction of the Secretary of a military department or, in the case of an activity in a foreign country, under the operational control of the Secretary of a military department or the Secretary of Defense, without regard to the duration of operational control. (10 U.S. Code § 2801)

Integrated Defense (ID)— The integration of multidisciplinary active and passive, offensive and defensive capabilities, employed to mitigate potential risks and defeat adversary threats to Air Force operations. (AFPD 31-1)

Intelligence, Surveillance, and Reconnaissance (ISR)— Integrated capabilities to collect, process, exploit and disseminate accurate and timely information that provides the battlespace awareness necessary to successfully plan and conduct operations. (Annex 2-5.2)

Interdiction— An action to divert, disrupt, delay, or destroy the enemy’s surface military potential before it can be used effectively against friendly forces. (JP 1-02) Operations to stop the transit of WMD, delivery systems and associated technologies, materials, and expertise between States, and between State and non-State actors of proliferation concern in any environment. (JP 3-40)

Institutional Competency Development Programs— AF education ICDPs include officer and enlisted PME curriculums, internships, and fellowships, AF commissioning programs, and BMT. Proposed changes to these programs will be vetted through the AFLC.

Joint Force— A general term applied to a force composed of significant elements, assigned or attached, of two or more military departments, operating under a single joint force commander. (JP 1-02)

Noncombatant Evacuation Operation (NEO)— Operations directed by the Department of State, the DOD, or other appropriate authority whereby noncombatants are evacuated from foreign countries when their lives are endangered by war, civil unrest, or natural disaster to safe havens or to the U.S. (JP 1-02)

Non-Emergency-Essential Civilians, Contractors and Dependents— A position-based designation for those civilian employees who are not required to support the success of combat operations or the availability of combat-essential systems IAW 10 USC § 1580; contractor employees who do not perform essential contractor services; and dependents.

Nonproliferation (NP)— Those actions (e.g., diplomacy, arms control, multilateral agreements, threat reduction assistance, and export controls) taken to prevent the proliferation of weapons of mass destruction by dissuading or impeding access to, or distribution of, sensitive technologies, material, and expertise. See also counterproliferation. (JP 1-02)

Nuclear Weapon— A complete assembly (i.e., implosion type, gun type, or thermonuclear type), in its intended ultimate configuration which, upon completion of the prescribed arming,

fusing, and firing sequence, is capable of producing the intended nuclear reaction and release of energy. (JP 1-02)

Passive Defense (PD)— Measures taken to reduce the probability of and to minimize the effects of damage caused by hostile action without the intention of taking the initiative. (JP 1-02)

Permissive Environment— Operational environment in which host country military and law enforcement agencies have control, as well as the intent and capability to assist operations that a unit intends to conduct. (JP 1-02)

Personal Protective Equipment (PPE)— Personal protective equipment is designed to protect individuals exposed to hazards from injury or illness in nonmilitary unique occupational environments where Occupational Safety and Health Administration or applicable Air Force Occupational Safety and Health standards apply, including emergency response to CBRN incidents in the U.S. (Annex 3-40)

Policy— Guidance that is directive or instructive, stating what is to be accomplished. It reflects a conscious choice to pursue certain avenues, and not others. Policies may be revised due to changes in national leadership, political considerations, or for fiscal reasons. At the national level, policy may be expressed in such broad vehicles such as the National Security Strategy. Within military operations, policy may be expressed not only in terms of objectives, but also in rules of engagement (ROE)—what we may or may not strike, or under what circumstances we may strike particular targets. (Volume 1)

Proliferation Prevention (PP)— To deny efforts by those seeking to acquire or expand their CBRN capabilities by: providing inspection, monitoring, verification, and enforcement support for NP treaties and arms control regimes; supporting export control activities; assisting in the identification of those attempting to acquire or expand these capabilities; and, if so directed by the proper authorities, planning and conducting denial operations. (Annex 3-40)

Radiological Dispersal Device (RDD)— A device, other than a nuclear explosive device, designed to disseminate radioactive material in order to cause destruction, damage, or injury. (JP 1-02)

Reachback— The process of obtaining products, services, and applications or forces, equipment, or materiel from Air Force organizations that are not forward deployed. (Annex 3-40)

Senior Leader— Encompasses both Senior Level and Senior Executive Service personnel as defined by the Office of Personnel Management.

Targeting— The process of selecting and prioritizing targets and matching the appropriate response to them, taking account of operational requirements and capabilities. (JP 1-02). [The part of the tasking process for selecting and prioritizing targets and matching appropriate actions to those targets to create specific desired effects that achieve objectives, taking account of operational requirements and capabilities.] {Words in brackets apply only to the Air Force and are offered for clarity.}

Toxic Industrial Chemicals (TIC)— Any chemicals manufactured, used, transported, or stored by industrial, medical, or commercial processes (e.g., pesticides, petrochemicals, fertilizers, corrosives, poisons, etc.). TICs produce toxic impacts to personnel, materials, and infrastructure. (Annex 3-40)

Toxic Industrial Materials (TIM)— All toxic materials manufactured, stored, transported, or used in industrial or commercial processes. It includes TICs, toxic industrial radiologicals and toxic industrial biologicals. TIMs produce toxic impacts to personnel, materials, and infrastructure. (Annex 3-40)

Training— Instruction and study focused on a structured skill set to acquire consistent performance. Training has predictable outcomes and when outcomes do not meet expectations, further training is required. (Volume 1-1)

Weapons of Mass Destruction (WMD)— Chemical, biological, radiological, or nuclear weapons capable of a high order of destruction or causing mass casualties and exclude the means of transporting or propelling the weapon where such means is a separable and divisible part from the weapon. (JP 1-02)

Attachment 2

AIR FORCE ETE C-CBRN COMPETENCIES

Table A2.1. Air Force ETE C-CBRN Competencies

| Pillar | Competency |
|---------------------------------|---|
| Proliferation Prevention | PP-01. Understand C-CBRN interdiction policy |
| | PP-02. Understand planning considerations for air, ground, and sea interdiction operations of in-transit CBRN weapons and materials |
| | PP-03 (CF-04). Understand the potential national, international, and diplomatic implications stemming from C-CBRN operations |
| | PP-04. Understand the importance of CBRN arms control treaties and agreements |
| | PP-05 (CF-08/AD-08). Understand the consequences of hitting CBRN targets including desired and collateral effects |
| | PP-06 (CF-31/AD-18). Demonstrate the ability to conduct air, ground, and sea C-CBRN interdiction operations |
| | PP-07. Understand the Air Force's role in the C-CBRN Operational Spectrum including responsibilities in interdiction operations |
| | PP-08. Understand national and Air Force contributions to PP |
| | PP-09 (CF-32/AD-20/PD-27). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment |
| | PP-10 (AD-21/PD-28). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition and interagency partners |
| | PP-11. Understand the importance of establishing interagency agreements to share intelligence on CBRN threats and hazards |
| | PP-12. Understand own role with Joint, combined, coalition and other partners in the C-CBRN community |
| | PP-13 (CM-17). Understand the forces, capabilities, methods, and equipment used by Joint and coalition forces to perform CBRN facility/site survey operations |
| | PP-14. Recognize the deterrent value of Joint, combined, and coalition C-CBRN demonstrations and exercises |
| | PP-15. Understand interagency cooperation related to C-CBRN homeland defense |
| | PP-16. Understand the need for C-CBRN support agreements |
| | PP-17 (PD-32). Identify typical CBRN agents and elements, their delivery means and methods, and their characteristics and effects |
| | PP-18 (PD-35). Know CBRN-detection capabilities, methods, and limitations, as well as the operational implications of detection/detector results |
| Counter-force | CF-01. Understand the limitations in technology and expertise for CBRN assessments |
| | CF-02 (CM-03). Understand civil and military reachback and support capabilities, continental United States (CONUS) and outside the continental United States (OCONUS), including those belonging to Allies, coalition, and host nation (HN) |
| Pillar | Competency |

| Pillar | Competency |
|---------------------|---|
| Counterforce | CF-03. Understand how standing Rules of Engagement (ROE) are applicable versus rules for the use of force (RUF) and how to apply each to CBRN situations |
| | CF-04 (PP-03). Understand the potential national, international, and diplomatic implications stemming from C-CBRN operations |
| | CF-05. Understand the potential effects of weather during CBRN operations |
| | CF-06 (AD-03/CM-05). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 |
| | CF-07. Demonstrate the ability to identify CBRN targets, regardless of AOR |
| | CF-08 (PP-05/AD-08). Understand the consequences of hitting CBRN targets including desired and collateral effects |
| | CF-09. Understand unique elements of engaging CBRN targets (e.g., specific aim points, precision engagement, restrictions to engagement) |
| | CF-10. Understand the appropriate battle damage assessment (BDA) methodologies to confirm completion of operational objectives |
| | CF-11 (AD-10). Understand the availability and capabilities of specialized C-CBRN weapons and their employment |
| | CF-12. Demonstrate the application of the targeting process to CBRN targets while minimizing risks to friendly forces |
| | CF-13. Understand how to properly characterize a CBRN target and its surroundings |
| | CF-14. Recognize that assessment of particular operational effects may require long observation periods in order to determine degree of success |
| | CF-15. Understand capabilities and limitations of U.S. CBRN CF weapons |
| | CF-16 (AD-11). Understand the effects of employing conventional and WMD-unique weapon systems against CBRN targets |
| | CF-17. Understand the no-strike list, restricted strike list, and restrictions on weapons |
| | CF-18. (AD-12). Understand and consider CBRN effects in C-CBRN AD and CF planning |
| | CF-19 (AD-13). Understand potential environmental variables (e.g., wind, temperature, humidity, precipitation, time of day) as they relate to target engagement |
| | CF-20. Apply standing ROE to CBRN targets |
| | CF-21. Efficiently track movement of CBRN weapons in order to maximize strike opportunities |
| | CF-22. Understand and apply the benefits of aggressive Information Operations (IO) to the CBRN CF mission |
| | CF-23. Understand different types of assessment, to include BDA, weapons effectiveness, and mission analysis |
| | CF-24. Understand the full range of attack options and the optimized combination of weapons and platforms to produce various options for effects-based kills |
| | CF-25. Understand the differences between pre-, trans-, and post-strike IO |
| | CF-26. Understand the importance of hazard characterization and analysis in the targeting process |

| Pillar | Competency |
|----------------|--|
| Pillar | Competency |
| Counterforce | CF-27. Understand the process by which critical information related to a target is passed throughout tracking |
| | CF-28. Understand the process of matching available weapons and their effects against CBRN target vulnerabilities in order to achieve a specific level of disruption, denial, or damage |
| | CF-29. Understand the risk assessment and management processes for CBRN targets |
| | CF-30. Understand the role of Special Operations Forces (SOF) as it relates to the special reconnaissance and CF missions, and the Air Force targeting process |
| | CF-31 (PP-06/AD-18). Demonstrate the ability to conduct air, ground, and sea C-CBRN interdiction operations |
| | CF-32 (PP-09/AD-20/PD-27). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment |
| | CF-33. Understand the implications of asset contamination in the course of C-CBRN operations |
| Active Defense | AD-01. Understand constraints affecting the allocation process of air and space capabilities needed to detect CBRN threats during C-CBRN AD operations |
| | AD-02. Recognize the importance of including C-CBRN AD in the development of the air and space tasking orders |
| | AD-03 (CF-06/CM-05). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 |
| | AD-04. Understand how the following elements form an operational framework that enables C-CBRN AD operational capability: all layers of AD, sensors, shooters, and the battlespace management and infrastructure |
| | AD-05. Understand the levels of command and control (C2) as they relate to reporting up and down the chain, relative to CBRN threats |
| | AD-06. Understand and demonstrate the ability to plan, command, control and execute C-CBRN operations, and assess the impact to friendly forces |
| | AD-07. Understand the value of designated and potential diversion sites for inbound CBRN weapons systems |
| | AD-08 (PP-05/CF-08). Understand the consequences of hitting CBRN targets including desired and collateral effects |
| | AD-09. Understand the time-sensitive nature to detect, divert and/or destroy CBRN AD targets |
| | AD-10 (CF-11). Understand the availability and capabilities of specialized C-CBRN weapons and their employment |
| | AD-11 (CF-16). Understand the effects of employing conventional and WMD-unique weapon systems against CBRN targets |
| | AD-12 (CF-18). Understand and consider CBRN effects in C-CBRN AD and CF planning |

| Pillar | Competency |
|------------------------|--|
| | AD-13 (CF-19). Understand potential environmental variables (e.g., wind, temperature, humidity, precipitation, time of day) as they relate to target engagement |
| Pillar | Competency |
| Active Defense | AD-14. Understand the complexity of achieving a "high confidence" level on a CBRN target set due to its unique nature, time sensitivity, and limitations in number and capability of available sensors |
| | AD-15. Understand how AOR-specific ROE may affect AD operations and activities |
| | AD-16 (PD-15). Understand the relationship between C-CBRN AD and integrated defense (ID) |
| | AD-17 (PD-16). Recognize indicators of potential enemy CBRN use |
| | AD-18 (PP-06/CF-31). Demonstrate the ability to conduct air, ground, and sea C-CBRN interdiction operations |
| | AD-19. Understand the C-CBRN AD mission and individual roles therein |
| | AD-20 (PP-09/CF-32/PD-27). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment |
| | AD-21 (PP-10/PD-28). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition, and interagency partners |
| | AD-22. Understand the roles and responsibilities of local, state, federal, and HN agencies in relation to C-CBRN operations |
| | AD-23 (PD-30). Understand integration of Air Force, Joint, and coalition C-CBRN-detection networks and warning and reporting procedures and capabilities |
| | AD-24. Understand the challenges inherent to identifying CBRN (e.g., breadth of potential delivery devices, time sensitivity) |
| | AD-25. Understand types of CBRN, CBRN-capable, or Toxic Industrial Chemical/Toxic Industrial Material (TIC/TIM) threats that could be encountered |
| | AD-26. Understand CBRN-unique collateral damage/effects considerations and their potential impact on courses of action (COA) |
| Passive Defense | PD-01. Understand limitations of current detect-to-treat biological-detection systems |
| | PD-02. Understand pre-positioning concepts and planning challenges at expeditionary airbases for CBRN-threat environments |
| | PD-03 (CM-01). Recognize operational planning considerations for the transport of contaminated/contagious personnel (to include casualties and remains) and materiel (to include forensic samples) |
| | PD-04. Understand planning considerations for the development of a medical surge plan |
| | PD-05. Identify approval process required to operate mobility aircraft to/from CBRN-contaminated airfields |
| | PD-06. Understand operational considerations for air mobility support to SOF in a CBRN-threat environment |

| Pillar | Competency |
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| | PD-07. Recognize the requirement to designate alternate aerial ports of embarkation/debarkation (APOE/APOD) to facilitate contamination avoidance during aerial deployment, redeployment, and sustainment operations |
| | PD-08. Understand diplomatic considerations and constraints regarding the air shipment of contaminated cargo and contaminated/contagious passengers, patients, and remains |
| Pillar | Competency |
| Passive Defense | PD-09. Understand considerations, constraints, and guidance (e.g., "exchange zone") for airlift, aerial refueling, and base operations in a CBRN environment |
| | PD-10. Understand applicable CBRN-related installation response plans and the elements that go into a health risk assessment/communication plan |
| | PD-11. Understand the process for warning airborne aircraft of CBRN attacks against airfields |
| | PD-12. Demonstrate appropriate ID capabilities against inbound CBRN threats, including those employing unconventional delivery means and methods |
| | PD-13. Understand the possible impact of Force Protection Conditions (FPCON) on C-CBRN operations |
| | PD-14. Understand ID implications of the CBRN threat |
| | PD-15 (AD-16). Understand the relationship between C-CBRN AD and ID |
| | PD-16 (AD-17). Recognize indicators of potential enemy CBRN use |
| | PD-17. Identify the installation's potential CBRN hazards/vulnerabilities during the Integrated Defense Risk Management Program (IDRMP) process |
| | PD-18. Apply combat lifesaving skills in a CBRN-contaminated environment, to include medical prophylaxis and self-aid and buddy care (SABC) |
| | PD-19. Conduct CBRN-contaminated casualty movement |
| | PD-20. Understand the need to monitor local populations for diseases of operational importance |
| | PD-21. Understand the importance of medical C-CBRN requirements, to include pre-treatment, patient decontamination, post-exposure screening, and treatment. |
| | PD-22. Understand the use of medical surveillance to detect CBRN use |
| | PD-23 (CM-15). Understand and demonstrate how to protect individuals, equipment, and assets from CBRN effects through contamination control and contamination avoidance TTPs IAW the Installation Emergency Management Plan (IEMP) 10-2 |
| | PD-24. Know Air Force, Joint, HN, combined, and coalition warning systems and signals, appropriate reporting procedures, and how to react to alarm conditions and protective postures |
| | PD-25. Establish/demonstrate proficiency in utilizing the CBRN Warning and Reporting System |
| | PD-26. Understand post-attack reconnaissance procedures and responsibilities for identifying, marking, and reporting CBRN materials, to include unexploded ordnance |

| Pillar | Competency |
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| | PD-27 (PP-09/CF-32/AD-20). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment |
| | PD-28 (PP-10/AD-21). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition, and interagency partners |
| | PD-29. Identify inter-relationships with Joint, Allied, and coalition CBRN forces in shaping the battlespace |
| | PD-30 (AD-23). Understand integration of Air Force, Joint, and coalition CBRN-detection networks and warning and reporting procedures and capabilities |
| Pillar | Competency |
| Passive Defense | PD-31. Understand DOD and Air Force Policy as it relates to Defense Support of Civil Authorities (DSCA) |
| | PD-32 (PP-17). Identify typical CBRN agents and elements, their delivery means and methods, and their characteristics and effects |
| | PD-33. Recognize behavioral and physical symptoms possibly associated with CBRN exposure |
| | PD-34 (CM-19). Understand shelter in place/evacuation plan principles and procedures |
| | PD-35 (PP-18). Know CBRN-detection capabilities, methods, and limitations, as well as the operational implications of detection/detector results |
| | PD-36. Understand decontamination levels (i.e., immediate, operational, thorough, clearance) and limits |
| Consequence Management | CM-01 (PD-03). Recognize operational planning considerations for the transport of contaminated/contagious personnel (to include casualties and remains) and materiel (to include forensic samples) |
| | CM-02. Understand planning considerations for non-combatant evacuation operations (NEO) in a CBRN-threat environment |
| | CM-03 (CF-02). Understand civil and military reachback and support capabilities, CONUS and OCONUS, including those belonging to Allies, coalition, and HN |
| | CM-04. Understand the installation plans (i.e., IEMP and Medical Contingency Response Plan (MCRP)) for the mass care of displaced personnel, to include food, shelter, and hygiene in a CBRN environment |
| | CM-05 (CF-06/AD-03). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 |
| | CM-06. Understand the processes and demonstrate the ability to establish and conduct C2 during PD and CM activities |
| | CM-07. Recognize and understand approved/credible intelligence and information sources following a CBRN attack |
| | CM-08. Understand the principles of public affairs operations in a CM environment including the impact of public perception on military C-CBRN operations |
| | CM-09. Recognize sources of health risks in a CBRN environment |

| Pillar | Competency |
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| | CM-10. Recognize the effect population density has upon all C-CBRN operations and activities occurring on or near an Air Force installation |
| | CM-11. Understand potential psychological factors (e.g., stress, behavioral casualties) during CBRN response incidents, operations, and activities |
| | CM-12. Understand the prioritization of prophylaxis and therapeutics distribution and the Strategic National Stockpile process |
| | CM-13. Understand the potential long-term physiological effects of CBRN exposure |
| | CM-14. Understand the importance of recording CBRN-exposure information in personnel medical records |
| Pillar | Competency |
| Consequence Management | CM-15 (PD-23). Understand and demonstrate how to protect individuals, equipment, and assets from CBRN effects through contamination control and contamination avoidance TTPs IAW the IEMP 10-2 |
| | CM-16. Understand the requirement for use of evidentiary and crime scene preservation TTPs during C-CBRN activities and operations |
| | CM-17 (PP-13). Understand the forces, capabilities, methods, and equipment used by Joint and coalition forces to perform CBRN facility/site survey operations |
| | CM-18. Understand second- and third-order consequences stemming from CBRN incidents |
| | CM-19 (PD-34). Understand shelter in place/evacuation plan principles and procedures |
| | CM-20. Understand the limitations of aircraft decontamination capability during CM planning and operations |
| | CM-21. Understand the requirement of monitoring and testing food and water supplies before, during, and after a CBRN incident |
| | CM-22. Understand how to develop planning factors including population at risk (day/night variances), critical infrastructure, and resource availability both in and out of the affected areas |
| Strategic Enablers | EN-01. Understand the potential for enemy denial and deception to mask CBRN activities |
| | EN-02. Recognize trends and patterns to identify indications of CBRN mobilization |
| | EN-03. Anticipate potential adversary COAs |
| | EN-04. Determine enemy CBRN capability and its effect on U.S. CF capabilities |
| | EN-05. Determine an adversary's (state and non-state) CBRN capabilities to include intentions, vulnerabilities, and means of delivery |
| | EN-06. Predict the CBRN hazard to friendly forces near permanent and dispersed bases |
| | EN-07. Understand enemy intelligence, logistical, and operational TTPs to improve C-CBRN AD and PD |
| | EN-08. Understand the full range of potential space, airborne, and surface threats to U.S. interests as they relate to C-CBRN AD and PD |

| Pillar | Competency |
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| | EN-09. Develop and review statements of intelligence interest as they relate to the C-CBRN mission |
| | EN-10. Understand that potential enemy COAs in developing and/or employing CBRN weapons may be predicted by modeling and simulation methods and tools |
| | EN-11. Understand and assess adversary CBRN science and technology (S&T) acquisition and development process (i.e., intent, knowledge, technical infrastructure, agent/material, weapon production, stockpile, deployment) |
| | EN-12. Recognize adversaries' potential ability to degrade C-CBRN AD and PD activities through denial, deception, or unconventional attack |
| | EN-13. Understand what role space, airborne, and surface assets play in detecting the CBRN threat and how that information is passed to the warfighter |
| Pillar | Competency |
| Strategic Enablers | EN-14. Understand unique and acquired target signatures and appropriate collection means |
| | EN-15. Be able to understand finished intelligence unique to CBRN targets |
| | EN-16. Understand the need for greater information reporting and sharing to improve CBRN tracking |
| | EN-17. Understand the importance of multiple information sources and methods to obtain a high level of fidelity and granularity for C-CBRN identification |
| | EN-18. Understand the capabilities and limitations of existing sensors and weapons to detect, divert, or destroy/defeat CBRN or CBRN-capable threats and delivery means |
| | EN-19. Understand how to shape the battlespace in a CBRN environment |
| | EN-20. Understand ways proliferation can be detected, lines of communication, and the potential for the movement of CBRN technology and materiel |
| | EN-21. Understand assets, processes, capabilities, limitations, and complexities of the intelligence community and Intelligence, Surveillance, and Reconnaissance (ISR), and the complexity of collecting within the U.S. and its territories in support of C-CBRN operations and activities |
| | EN-22. Understand how to correlate multiple information sources and methods to obtain a high level of fidelity and granularity |
| | EN-23. Understand the challenge of using all-source intelligence to identify and track unconventional delivery means with a high level of confidence |
| | EN-24. Recognize the contributions of non-traditional ISR to the C-CBRN mission |
| | EN-25. Understand the importance of employing intelligence reachback during C-CBRN operations |
| | EN-26. Understand the requirement for collecting lessons learned and preparing after-action reports (AAR) during all phases (e.g., planning, preparation, mitigation, and recovery) of a CBRN incident |

Attachment 3

ETE C-CBRN COMPETENCIES RELATIONSHIPS AND REFERENCES

Table A3.1. ETE C-CBRN Competencies Relationships and References

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
|---------------------------------|---|---|---|---|
| Proliferation Prevention | PP-01. Understand C-CBRN interdiction policy | TA 2.4, 3.2.3, 3.2.7 AFST 1.6.5, 2.5.4.3 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 1.6.5.1.1, 1.6.5.1.2, 2.2.1, 3.2.1, 3.2.3, 3.2.8.2, 3.2.9, 3.2.9.1 | NSPD 20 National Strategy (NS) for Strategic Interdiction CJCSI 3520.02A CJCSI 5113.03 | Annex 3-40 AFI 16-607 |
| | PP-02. Understand planning considerations for air, ground, and sea interdiction operations of in-transit CBRN weapons and materials | TA 2.4, 3.2.3, 3.2.7 AFTA 1.5.3.1, 1.5.3.1.1, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.4.3.1, 2.7.1, 3.2.1, 3.2.3, 3.2.9, 3.2.9.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-70 |
| | PP-03 (CF-04). Understand the potential national, international, and diplomatic implications stemming from C-CBRN operations | AFTA 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4 | | AMC C-CBRN CONOPS |
| | PP-04. Understand the importance of CBRN arms control treaties and agreements | AFTA 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4 | Biological Weapons Convention Chemical Weapons Convention START II | Annex 3-70 AFPD 16-6 AFI 16-601 AFI 16-608 AFI 16-609 AFMAN 16-101 |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
|---------------------------------|---|--|--|---|
| Proliferation Prevention | PP-05 (CF-08/AD-08). Understand the consequences of hitting CBRN targets including desired and collateral effects | TA 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.4.1, 2.4.3, 2.7.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 Annex 3-70 AFPD 10-26 AFTTP(I) 3-2.42 |
| | PP-06 (CF-31/AD-18). Demonstrate the ability to conduct air, ground, and sea C-CBRN interdiction operations | OP 7.9 TA 2.4, 3.2.3, 3.2.7 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.3, 3.2.9, 3.2.9.1 | CJCSI 3520.02A CJCSI 5113.03 JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 |
| | PP-07. Understand the Air Force's role in the C-CBRN Operational Spectrum including responsibilities in interdiction operations | TA 2.4, 3.2.3, 3.2.7 AFSN 3.4.2.1 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 2.4.3, 3.2.1, 3.2.3, 3.2.9, 3.2.9.1 | NSPD 20 NS for Strategic Interdiction JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 | Annex 3-40 |

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| | PP-08. Understand national and Air Force contributions to PP | OP 7.9 AFSN 8.1 AFOP 4.4.5.3, 5.7.2.1, 6.5.5.1 | NSPD 17/HSPD 4 NSPD 20 PDD 39 NS for Strategic Interdiction National Security Strategy DODS CWMD Global Strike Joint Integrating Concept v1.0 JP 3-11 | Annex 3-40 AFPD 10-26 AF Strategic Plan 2006-2008 AFTTP(I) 3-2.42 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Proliferation Prevention | PP-09 (CF-32/AD-20/PD-27). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5,10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

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| <p>PP-10 (AD-21/PD-28). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition and interagency partners</p> | <p>OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 DODS CWMD NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODI 1322.28</p> | <p>Annex 3-01 Annex 3-40 AFI 16-607 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32</p> |
| <p>PP-11. Understand the importance of establishing interagency agreements to share intelligence on CBRN threats and hazards</p> | <p>OP 7.9 AFSN 2.1.2.1, 2.2.3.1, 8.1 AFST 2.2.6, 2.2.7, 2.2.8, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.4.1.1, 2.4.1.4, 4.4.5.3, 5.7.2.1, 6.1.6.1, 6.5.5.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.4.3, 2.7.1</p> | <p>NSPD 20 HSPD 5, 10, 18, and 21 PPD 8 NS for Strategic Interdiction NS for Countering Biological Threats CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 DODD 5240.01</p> | <p>Annex 3-40 AFTTP 3-42.32</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Proliferation Prevention | PP-12. Understand own role with Joint, combined, coalition and other partners in the C-CBRN community | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5, 10, 18, and 21 PPD 8 DODS CWMD NS for Countering Biological Threats | Annex 3-40 AFTTP 3-42.32 |
| | PP-13 (CM-17). Understand the forces, capabilities, methods, and equipment used by Joint and coalition forces to perform CBRN facility/site survey operations | OP 7.9 TA 2.4 AFSN 3.4.2.1, 8.1 AFST 2.5.2.3, 2.5.3.3, 2.5.4.3 AFOP 2.4.1.1, 5.5.1.1, 5.7.2.1, 6.1.6.1 AFTA 4.5 | NSPD 20 HSPD 5, 10, 18, and 21 PPD 8 NS for Strategic Interdiction NS for Countering Biological Threats | Annex 3-40 AFTTP 3-2.46 AFTTP 3-2.55 AFTTP 3-42.32 |
| | PP-14. Recognize the deterrent value of Joint, combined, and coalition C-CBRN demonstrations and exercises | OP 7.9 AFSN 8.1 AFOP 4.4.5.3, 5.7.2.1, 6.5.5.1 | NSPD 20 HSPD 5, 10, 18, and 21 PPD 8 NS for Strategic Interdiction NS for Countering Biological Threats CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 Global Strike Joint Integrating Concept v1.0 JP 3-11 | Annex 3-40 AFPD 10-26 AFI 16-607 AFTTP(I) 3-2.42 AFTTP 3-42.32 |

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| | PP-15. Understand interagency cooperation related to C-CBRN homeland defense | OP 7.9 AFOP 5.7.2.1 | NSPD 20 HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats NS for Strategic Interdiction | Annex 3-40 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Proliferation Prevention | PP-16. Understand the need for C-CBRN support agreements | OP 7.9 AFSN 8.1 AFOP 5.7.2.1 | NSPD 20 HSPD 5, 8, 10, 18, and 21 PPD 8 NS for Countering Biological Threats NS for Strategic Interdiction JP 3-11 CJCSI 3520.02A CJCSI 5113.03 | Annex 3-27 Annex 3-40 AFMAN 10-2503 AFTTP 3-42.32 |
| | PP-17 (PD-32). Identify typical CBRN agents and elements, their delivery means and methods, and their characteristics and effects | OP 7.9 TA 6, 7.1 AFSN 1.2.2.2, 1.2.2.3 AFST 2.5.4.3 AFOP 2.4.1.1 AFTA 1.6.2.2, 4.5, 7.1.1, 7.1.2 | 29 CFR 1910.120(q) PPD 8 HSPD 5, 10, 18, and 21 NSPD 20 NS for Countering Biological Threats NS for Strategic Interdiction JP 3-11 DODD 2060.02 DODD S-2060.04 | AFMAN 10-2503 AFMAN 10-2504 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 |

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| | PP-18 (PD-35). Know CBRN-detection capabilities, methods, and limitations, as well as the operational implications of detection/detector results | OP 7.9 AFOP 2.2.6, 2.5.4, 4.4.3.3, 4.4.3.4, 4.4.3.6 AFTA 7.1.1 | HSPD 5, 8, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| Counterforce | CF-01. Understand the limitations in technology and expertise for CBRN assessments | AFST 2.5.4.3 AFTA 2.4.1 | | Annex 2-0 |
| | CF-02 (CM-03). Understand civil and military reachback and support capabilities, CONUS and OCONUS, including those belonging to Allies, coalition and HN | AFSN 8.1 AFOP 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 2-0 Annex 4-0 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Counterforce | CF-03. Understand how standing ROE are applicable versus RUF and how to apply each to CBRN situations | AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.9, 3.2.9.1 | CJCSI 3121.01B | Annex 3-40 |
| | CF-04 (PP-03). Understand the potential national, international, and diplomatic implications stemming from C-CBRN operations | AFTA 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4 | | AMC C-CBRN CONOPS |

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| | CF-05. Understand the potential effects of weather during CBRN operations | AFST 2.2.3.2, 2.2.3.3, 2.2.3.4 AFOP 2.2.3.1, 2.2.3.5, 2.2.3.7, 2.4 AFTA 2.2.3, 2.2.3.1.1, 2.2.3.1.2, 2.2.3.4.1, 2.2.3.4.2, 7.2.1 | | AFMAN 10-2503 AFTTP(I) 3-2.56 |
| | CF-06 (AD-03/CM-05). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 | OP 7.9 AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.4, 2.4.1.4, 2.5.4, 5.7.2.1 AFTA 2.2.1, 2.2.22.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | Title 10, U.S. Code, Section 375 Title 18, U.S. Code, Section 1385 HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 DODD 5240.01 DOD 5240.1-R DODD 5148.11 | Annex 3-01 AFI 10-801 AFI 14-104 AFTTP 3-2.46 AFTTP 3-2.55 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Counterforce | CF-07. Demonstrate the ability to identify CBRN targets, regardless of AOR | TA 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFST 2.2.6 AFTA 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.4.3, 2.4.3.1, 2.7.1, 3.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 Global Strike Joint Integrating Concept v1.0 | Annex 3-01 Annex 3-40 AFPD 10-26 AFTTP(I) 3-2.42 |

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| <p>CF-08 (PP-05/AD-08). Understand the consequences of hitting CBRN targets including desired and collateral effects</p> | <p>TA 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.4.1, 2.4.3, 2.7.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6</p> | <p>DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60</p> | <p>Annex 3-01 Annex 3-40 Annex 3-70 AFPD 10-26 AFTTP(I) 3-2.42</p> |
| <p>CF-09. Understand unique elements of engaging CBRN targets (e.g., specific aim points, precision engagement, restrictions to engagement)</p> | <p>TA 2.4, 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.3, 3.2.9, 3.2.9.1</p> | <p>DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 DODD 2060.02</p> | <p>Annex 3-01 Annex 3-40 AFPD 10-26 AFI 10-2501 AFPAM 10-100 AFTTP(I) 3-2.42</p> |
| <p>CF-10. Understand the appropriate BDA methodologies to confirm completion of operational objectives</p> | <p>AFSN 3.3.1.2.1, 3.3.7.1, 3.4.2.1 AFST 2.5.4.3 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.4.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6</p> | <p>JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60</p> | <p>Annex 3-01 Annex 3-60</p> |
| <p>CF-11 (AD-10). Understand the availability and capabilities of specialized C-CBRN weapons and their employment</p> | <p>AFSN 3.3.1.2.1, 3.3.7.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1</p> | <p>JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60</p> | <p>Annex 3-01 AFPD 10-26 AFI 14-117 AFI 51-402</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Counterforce | CF-12. Demonstrate the application of the targeting process to CBRN targets while minimizing risks to friendly forces | TA 2.4, 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFST 2.2.6 AFOP 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.7.1, 3.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFMAN 10-2503 |
| | CF-13. Understand how to properly characterize a CBRN target and its surroundings | TA 3.2.1.1 AFSN 3.3.1.2.1, 3.3.7.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFPAM 14-121 |
| | CF-14. Recognize that assessment of particular operational effects may require long observation periods in order to determine degree of success | AFSN 3.3.1.2.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.4.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 2-0 Annex 3-01 |
| | CF-15. Understand capabilities and limitations of U.S. CBRN CF weapons | AFSN 3.3.1.2.1, 3.3.7.1 AFOP 2.4.1.1, 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |

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| | CF-16 (AD-11). Understand the effects of employing conventional and WMD-unique weapon systems against CBRN targets | AFSN 3.3.1.2.1, 3.3.7.1 AFST 2.2.6 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-40 JP 3-60 | Annex 3-01 Annex 3-60 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Counterforce | CF-17. Understand the no-strike list, restricted strike list, and restrictions on weapons | TA 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 2.4.1.1, 3.1.9 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.9, 3.2.9.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |
| | CF-18 (AD-12). Understand and consider CBRN effects in C-CBRN AD and CF planning | AFSN 3.3.1.2.1, 3.3.7.1 AFOP 2.4.1.1, 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-40 JP 3-60 | Annex 3-01 Annex 3-40 Annex 3-60 |
| | CF-19 (AD-13). Understand potential environmental variables (e.g., wind, temperature, humidity, precipitation, time of day) as they relate to target engagement | AFSN 3.3.1.2.1, 3.3.7.1 AFST 2.2.3.2, 2.2.3.3, 2.2.3.4 AFOP 2.2.3.1, 2.2.3.5, 2.2.3.7, 2.4.1.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.3.1.1, 2.2.3.1.2, 2.2.3.4.1, 2.2.3.4.2, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |

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| | CF-20. Apply standing ROE to CBRN targets | AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 DODD 2060.02 | Annex 3-01 Annex 3-40 AFMAN 10-2503 AFTTP(I) 3-2.42 |
| | CF-21. Efficiently track movement of CBRN weapons in order to maximize strike opportunities | TA 2.4, 3.2.1.1, 3.2.3 AFST 2.5.4.3 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.9, 3.2.9.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFPAM 14-121 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Counterforce | CF-22. Understand and apply the benefits of aggressive IO to the CBRN CF mission | AFST 1.6.4.1 AFTA 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 DODD S-3600.1 | Annex 3-01 AFPD 10-7 |
| | CF-23. Understand different types of assessment, to include BDA, weapons effectiveness, and mission analysis | TA 2.4, 3.2.3, 3.2.7 AFSN 3.3.1.2.1 AFST 2.5.4.3 AFOP 6.1.6.1 AFTA 2.2.1, 2.4.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 2-0 Annex 3-01 |
| | CF-24. Understand the full range of attack options and the optimized combination of weapons and platforms to produce various options for effects-based kills | TA 3.2.1.1 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |

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| | CF-25. Understand the differences between pre-, trans-, and post-strike IO | AFST 1.6.4.1 AFTA 2.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6, 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |
| | CF-26. Understand the importance of hazard characterization and analysis in the targeting process | TA 3.2.1.1 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.7.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 Annex 3-70 AFPD 10-26 AFTTP(I) 3-2.42 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Counterforce | CF-27. Understand the process by which critical information related to a target is passed throughout tracking | TA 3.2.1.1 AFSN 3.3.1.2.1 AFOP 2.4.1.1 AFTA 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.7.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |
| | CF-28. Understand the process of matching available weapons and their effects against CBRN target vulnerabilities in order to achieve a specific level of disruption, denial, or damage | TA 3.2.1.1 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 2.4.1.1, 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |

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| | CF-29. Understand the risk assessment and management processes for CBRN targets | AFSN 3.3.1.2.1, 3.3.7.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.4.1, 3.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |
| | CF-30. Understand the role of SOF as it relates to the special reconnaissance and CF missions, and the Air Force targeting process | TA 3.2.1.1 AFSN 3.3.1.2.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 3.2.1, 5.6.4.1.3 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 2-0 Annex 3-01 Annex 3-60 |
| | CF-31 (PP-06/AD-18). Demonstrate the ability to conduct air, ground, and sea C-CBRN interdiction operations | OP 7.9 TA 2.4, 3.2.3, 3.2.7 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.3, 3.2.9, 3.2.9.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 | Annex 3-01 Annex 3-40 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Counterforce | CF-32 (PP-09/AD-20/PD-27). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5,10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

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| | CF-33. Understand the implications of asset contamination in the course of C-CBRN operations | OP 7.9 AFSN 1.2.2.3 AFOP 2.4.1.1 AFTA 7.1.1 | JP 3-17 STANAG 2426 | AFMAN 10-2503 AFPAM 10-100 AFTTP(I) 3-2.60 T.O. 00-20-01 T.T. 00-110A-1 T.O. 11C15-1-3 AMC C-CBRN CONOPS |
| Active Defense | AD-01. Understand constraints affecting the allocation process of air and space capabilities needed to detect CBRN threats during C-CBRN AD operations | TA 2.4 AFST 2.2.6 AFOP 2.2.6, 2.5.4, 5.5.1.1 AFTA 1.5.3.1.4, 2.2.1, 2.4.3, 2.4.3.1, 2.7.1 | | Annex 2-0 |
| | AD-02. Recognize the importance of including C-CBRN AD in the development of the air and space tasking orders | AFOP 5.5.1.1, 6.1.6.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFI 13-1AOCV3 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Active Defense | AD-03 (CF-06/CM-05). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 | OP 7.9 AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, | Title 10, U.S. Code 375 Title 18, U.S. Code, Section 1385 HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 | Annex 3-01 AFI 10-801 AFI 14-104 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |

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| | | 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.4, 2.4.1.4, 2.5.4, 5.7.2.1 AFTA 2.2.1, 2.2.22.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | JP 3-26 JP 3-60 DODD 5240.01 DOD 5240.1-R DODD 5148.11 | |
| | AD-04. Understand how the following elements form an operational framework that enables C-CBRN AD operational capability: all layers of AD, sensors, shooters, and the battlespace management and infrastructure | AFOP 2.2.3.1, 2.5.4, 5.5.1.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFPD 10-26 |
| | AD-05. Understand the levels of C2 as they relate to reporting up and down the chain, relative to CBRN threats | TA 2.4 AFSN 3.4.2.1, 3.6.4.1, 3.6.4.2 AFST 1.6.4.1, 2.5.4.3 AFOP 5.5.1.1, 6.1.6.1 AFTA 2.4.3.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFI 10-206 AFMAN 10-2503 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Active Defense | AD-06. Understand and demonstrate the ability to plan, command, control and execute C-CBRN operations, and assess the impact to friendly forces | AFSN 3.6.4.1, 3.6.4.2 AFST 2.5.4.3 AFOP 5.5.1.1 AFTA 2.4.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFI 31-101 AFMAN 10-2503 |

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| | AD-07. Understand the value of designated and potential diversion sites for inbound CBRN weapons systems | TA 2.4, 3.2.3, 3.2.7 AFSN 3.4.2.1 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 3.2.3, 3.2.9, 3.2.9.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFPD 10-26 AFMAN 10-2503 |
| | AD-08 (PP-05/CF-08). Understand the consequences of hitting CBRN targets including desired and collateral effects | TA 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.3.7.1 AFOP 3.1.9 AFTA 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.4.1, 2.4.3, 2.7.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 Annex 3-70 AFPD 10-26 AFTTP(I) 3-2.42 |
| | AD-09. Understand the time-sensitive nature to detect, divert and/or destroy CBRN AD targets | TA 2.4, 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.4.2.1 AFOP 2.2.6, 3.1.9 AFTA 1.5.3.1.4, 1.5.3.1.5, 2.4.3 | DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 Global Strike Joint Integrating Concept v1.0 | Annex 3-01 Annex 3-40 Annex 3-60 AFPD 10-26 |
| | AD-10 (CF-11). Understand the availability and capabilities of specialized C-CBRN weapons and their employment | AFSN 3.3.1.2.1, 3.3.7.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 AFPD 10-26 AFI 14-117 AFI 51-402 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Active Defense | AD-11 (CF-16). Understand the effects of employing conventional and WMD-unique weapon systems against CBRN | AFSN 3.3.1.2.1, 3.3.7.1 AFST 2.2.6 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-40 | Annex 3-01 Annex 3-60 |

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| | targets | | JP 3-60 | |
| | AD-12 (CF-18). Understand and consider CBRN effects in C-CBRN AD and CF planning | AFSN 3.3.1.2.1, 3.3.7.1 AFOP 2.4.1.1, 3.1.9 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-40 JP 3-60 | Annex 3-01 Annex 3-40 Annex 3-60 |
| | AD-13 (CF-19). Understand potential environmental variables (e.g., wind, temperature, humidity, precipitation, time of day) as they relate to target engagement | AFSN 3.3.1.2.1, 3.3.7.1 AFST 2.2.3.2, 2.2.3.3, 2.2.3.4 AFOP 2.2.3.1, 2.2.3.5, 2.2.3.7, 2.4.1.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.3.1.1, 2.2.3.1.2, 2.2.3.4.1, 2.2.3.4.2, 3.2.1, 5.6.4.1, 5.6.4.1.1, 5.6.4.1.2, 5.6.4.1.3, 5.6.4.1.4, 5.6.4.1.6 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |
| | AD-14. Understand the complexity of achieving a "high confidence" level on a CBRN target set due to its unique nature, time sensitivity, and limitations in number and capability of available sensors | TA 2.4, 3.2.1.1, 3.2.3, 3.2.7 AFSN 3.3.1.2.1, 3.4.2.1 AFST 2.2.3.2, 2.2.6, 2.5.2.3, 2.5.3.3, 2.5.4.3 AFOP 3.1.9, 6.1.6.1 AFTA 1.5.3.1.2, 1.5.3.1.4, 1.5.3.1.5, 2.2.1, 2.4.3.1, 2.7.1, 3.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-60 |

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| | AD-15. Understand how AOR-specific ROE may affect AD operations and activities | TA 6 AFTA 2.4.3, 2.4.3.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFI 31-101 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Active Defense | AD-16 (PD-15). Understand the relationship between C-CBRN AD and integrated base defense | TA 6 AFTA 2.4.3, 2.4.3.1, 6.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | Annex 3-10 AFPD 31-1 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | AD-17 (PD-16). Recognize indicators of potential enemy CBRN use | TA 6 AFST 2.4.1.3.1, 2.4.2.6, 2.4.2.7 AFOP 2.4.1.1 AFTA 2.4.3 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 2-0 Annex 3-40 AFPD 10-26 AFPD 14-2 AFI 10-2501 AFI 14-119 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | AD-18 (PP-06/CF-31). Demonstrate the ability to conduct air, ground, and sea C-CBRN interdiction operations | OP 7.9 TA 2.4, 3.2.3, 3.2.7 AFTA 1.5.2.1, 1.5.3.1, 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 3.2.1, 3.2.3, 3.2.9, 3.2.9.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 | Annex 3-01 Annex 3-40 |

| | AD-19. Understand the C-CBRN AD mission and individual roles therein | TA 2.4, 3.2.3, 3.2.7 AFTA 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 2.4.2, 2.4.3, 3.2.8.2 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFPD 10-26 AFTTP 3-10.2 |
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| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Active Defense | AD-20 (PP-09/CF-32/PD-27). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5,10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | AD-21 (PP-10/PD-28). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition, and interagency partners | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5, 10, 18, and 21 PPD 8 DODS CWMD NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODI 1322.28 | Annex 3-01 Annex 3-40 AFI 16-607 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

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| | AD-22. Understand the roles and responsibilities of local, state, federal, and HN agencies in relation to C-CBRN operations | OP 7.9 AFSN 8.1 AFOP 5.7.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-01 AFMAN 10-2503 |
| | AD-23 (PD-30). Understand integration of Air Force, Joint, and coalition C-CBRN-detection networks and warning and reporting procedures and capabilities | OP 7.9 TA 2.4 AFSN 3.4.2.1, 8.1 AFST 2.5.2.3, 2.5.3.3, 2.5.4.3 AFOP 2.4.1.1, 5.5.1.1, 6.1.6.1 AFTA 2.2.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Active Defense | AD-24. Understand the challenges inherent to identifying CBRN (e.g., breadth of potential delivery devices, time sensitivity) | OP 7.9 AFOP 2.4.1.1 AFTA 4.5, 7.1.1 | DODS CWMD JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 |
| | AD-25. Understand types of CBRN, CBRN-capable or TIC/TIM threats that could be encountered | OP 7.9 TA 7.1 AFTA 4.5, 7.1.1 | DODS CWMD | AFMAN 10-2504 AFTTP(I) 3-2.42 AFTTP(I) 3-2.55 |
| | AD-26. Understand CBRN-unique collateral damage/effects considerations and their potential impact on COAs | OP 7.9 TA 7.1 AFST 2.5.4.3 AFOP 2.4.1.1 AFTA 2.4.1, 7.1.1 | DODS CWMD JP 3-11 | Annex 3-40 Annex 3-70 AFPD 10-26 AFTTP(I) 3-2.42 |

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| Passive Defense | PD-01. Understand the limitations of current detect-to-treat biological-detection systems | AFOP 4.4.3.3, 4.4.3.4, 4.4.3.6 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-40 | AFI 10-2604 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-02. Understand pre-positioning concepts and planning challenges at expeditionary airbases for CBRN-threat environments | TA 3.2.3, 3.2.7 AFSN 1.2.9, 3.4.2.1 AFOP 4.4.11 AFTA 1.5.3.1, 2.2.1, 3.6, 6.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 4-01.5 | AFPAM 10-219 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-03 (CM-01). Recognize operational planning considerations for the transport of contaminated/contagious personnel (to include casualties and remains) and materiel (to include forensic samples) | OP 4.4.1.2 TA 1.1.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 JP 3-17 JP 3-35 JP 4-01.5 DODD S-2060.04 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-17 Annex 3-40 AFMAN 44-156 (I) AFTTP(I) 3-2.37 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-2.55 AFTTP(I) 3-2.60 AFTTP(I) 3-42.5 AFTTP 3-42.32 AMC C-CBRN CONOPS AMC Pamphlet (AMCP) 10-260 |
| | PD-04. Understand planning considerations for the development of a medical surge plan | AFOP 4.4.3.3, 4.4.3.4, 4.4.3.6 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | AFI 10-2603 AFMAN 10-2504 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

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| | PD-05. Identify approval process required to operate mobility aircraft to/from CBRN-contaminated airfields | AFSN 1.2.2.3 AFTA 4.2.5, 6.2.5.1, 6.2.5.2, 6.2.5.3, 7.1.1 | JP 3-17 JP 4-01.5 | AFMAN 10-2503 AFTTP 3-2.44 AFTTP 3-2.46 AMC C-CBRN CONOPS |
| | PD-06. Understand operational considerations for air mobility support to SOF in a CBRN-threat environment | TA 1.1.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1, 2.4 | JP 3-17 JP 3-35 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-17 AFTTP 3-2.44 AFTTP 3-2.46 AMC C-CBRN CONOPS |
| | PD-07. Recognize the requirement to designate APOE/APOD to facilitate contamination avoidance during aerial deployment, redeployment, and sustainment operations | TA 1.1.1 AFSN 1.2.2.1, 1.2.2.2, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1 | JP 3-17 JP 4-01.5 STANAG 2426 | AFTTP 3-2.44 AFTTP 3-2.46 AMC C-CBRN CONOPS |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-08. Understand diplomatic considerations and constraints regarding the air shipment of contaminated cargo and contaminated/contagious passengers, patients, and remains | OP 4.4.1.2 TA 1.1.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1 | JP 3-17 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 STANAG 2426 | AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-42.5 AMC C-CBRN CONOPS |

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| | PD-09. Understand considerations, constraints, and guidance (e.g., "exchange zone") for airlift, aerial refueling, and base operations in a CBRN environment | TA 1.1.1, 3.2.7, 7.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1, 2.4, 4.1.1 | AFJI 11-204 JP 3-11 JP 3-17 JP 3-35 JP 4-01.5 JP 4-06 USTRANSCOM/TCCC <i>Memo, Policy for Patient Movement of Contaminated Contagious or Potentially Exposed Casualties</i> STANAG 2426 | Annex 3-17 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.60 AFTTP(I) 3-42.5 AMCP 10-260 AMC C-CBRN CONOPS |
| | PD-10. Understand applicable CBRN-related installation response plans and the elements that go into a health risk assessment/communication plan | AFST 1.6.4.1 AFOP 2.2.2.1 AFTA 2.4.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | AFI 31-101 AFMAN 10-2504 AFTTP 3-2.44 AFTTP 3-2.46 |
| | PD-11. Understand the process for warning airborne aircraft of CBRN attacks against airfields | TA 2.4, 3.2.3, 3.2.7 FSN 3.4.2.1 AFST 2.5.4.3 AFTA 1.5.3.1.5, 2.4.3.1, 3.2.3 | JP 3-01 JP 3-11 | Annex 3-01 AFTTP 3-2.44 AFTTP 3-2.46 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-12. Demonstrate appropriate ID capabilities against inbound CBRN threats, including those employing unconventional delivery means and methods | TA 6 AFTA 2.4.3, 2.4.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | Annex 3-10 AFI 10-245 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

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| | PD-13. Understand the possible impact of FPCONs on C-CBRN operations | TA 6 AFTA 2.4.3, 2.4.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats AFJI 31-102 | AFI 10-245 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-14. Understand ID implications of the CBRN threat | TA 6 AFTA 2.4.3, 2.4.3.1, 4.5 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | Annex 3-10 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-15 (AD-16). Understand the relationship between C-CBRN AD and ID | TA 6 AFTA 2.4.3, 2.4.3.1, 6.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | Annex 3-10 AFPD 31-1 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-16 (AD-17). Recognize indicators of potential enemy CBRN use | TA 6 AFST 2.4.1.3.1, 2.4.2.6, 2.4.2.7 AFOP 2.4.1.1 AFTA 2.4.3 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 2-0 Annex 3-40 AFPD 10-26 AFPD 14-2 AFI 10-2501 AFI 14-119 AFI 31-101 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-17. Identify the installation's potential CBRN hazards/vulnerabilities during the IDRMP process | TA 6 AFST 2.2.3.2 AFTA 2.4.3, 3.6.5, 6.3.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats AFJI 31-102 | AFI 31-101 AFMAN 10-2502 AFMAN 10-2503 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

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| <p>PD-18. Apply combat lifesaving skills in a CBRN-contaminated environment, to include medical prophylaxis and SABC</p> | <p>OP 7.9 AFOP 4.4.3.3, 4.4.3.4, 4.4.3.6 AFTA 1.6.2.2, 7.1.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats</p> | <p>AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32</p> |
| <p>PD-19. Conduct CBRN-contaminated casualty movement</p> | <p>OP 4.4.1.2, 7.9 TA 1.1.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1, 4.4.3.3, 4.4.3.4, 4.4.3.6 AFTA 4.2.5, 6.2.5.1, 6.2.5.2, 6.2.5.3</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-17 JP 4-01.5 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 USTRANSCOM/TCCC Memo, <i>Policy for Patient Movement of Contaminated Contagious or Potentially Exposed Casualties</i></p> | <p>Annex 3-40 Annex 3-17 AFMAN 10-2503 AFMAN 44-156 (I) AFTTP(I) 3-2.37 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 AMC C-CBRN CONOPS AMCP 10-260</p> |
| <p>PD-20. Understand the need to monitor local populations for diseases of operational importance</p> | <p>OP 7.9 AFOP 4.4.3.1, 4.4.3.3, 4.4.3.4, 4.4.3.6</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3</p> | <p>AFI 48-105 AFMAN 44-156 (I) AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Passive Defense | PD-21. Understand the importance of medical C-CBRN requirements, to include pre-treatment, patient decontamination, post-exposure screening, and treatment | AFSN 1.2.2.2 AFOP 4.4.3.3, 4.4.3.4. 4.4.3.6 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 4-02 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-22. Understand the use of medical surveillance to detect CBRN use | AFOP 4.4.3.1, 4.4.3.3, 4.4.3.4. 4.4.3.6 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 4-02 AFMAN 10-2503 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-23 (CM-15). Understand and demonstrate how to protect individuals, equipment, and assets from CBRN effects through contamination control and contamination avoidance TTPs IAW the IEMP 10-2 | OP 4.4.1.2, 7.9 AFOP 4.4.3.1 AFSN 1.2.2.2, 1.2.2.3 TA 6, 7.1 AFTA 1.6.2.2, 4.5, 7.1.1, 7.1.2 | 29 CFR 1910.120(q) HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 4-01.5 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFPD 10-8 AFPD 10-26 AFMAN 10-2503 AFMAN 10-2504 AFTTP(I) 3-2.37 AFTTP(I) 3-2.42 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-2.55 AFTTP 3-42.32 |

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| | PD-24. Know Air Force, Joint, HN, combined, and coalition warning systems and signals, appropriate reporting procedures, and how to react to alarm conditions and protective postures | TA 2.4, 6 AFSN 3.4.2.1 AFOP 2.4.1.1, 6.1.6.1 | STANAG 2047 | AFMAN 10-2503 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-25. Establish/demonstrate proficiency in utilizing the CBRN Warning and Reporting System | OP 7.9 AFOP 2.4.1.1 AFST 2.5.4.3 AFTA 2.4.3 | NATO ATP 45 | AFMAN 10-2503 AFTTP 3-2.44 AFTTP 3-2.46 AMC C-CBRN CONOPS |
| | PD-26. Understand post-attack reconnaissance procedures and responsibilities for identifying, marking, and reporting CBRN materials, to include unexploded ordnance | OP 7.9 AFSN 1.2.2.2, 1.2.2.3, 3.4.2.1 AFST 2.5.4.3 AFTA 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 4.5, 6.3.1.1, 7.1.1, 7.1.2, 7.2.1 | FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | AFMAN 10-2503 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 |
| | PD-27 (PP-09/CF-32/AD-20). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5,10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |

| | PD-28 (PP-10/AD-21). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition and interagency partners | OP 7.9 AFSN 8.1 AFOP 2.4.1.1, 4.4.5.3, 5.7.2.1, 6.5.5.1 | HSPD 5, 10, 18, and 21 PPD 8 DODS CWMD NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODI 1322.28 | Annex 3-01 Annex 3-40 AFI 16-607 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
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| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-29. Identify inter-relationships with Joint, Allied and coalition CBRN forces in shaping the battlespace | OP 7.9 AFSN 8.1 AFOP 4.4.5.3, 5.7.2.1, 6.5.5.1 | DODS CWMD | Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 |
| | PD-30 (AD-23). Understand integration of Air Force, Joint and coalition CBRN-detection networks and warning and reporting procedures and capabilities | OP 7.9 TA 2.4 AFSN 3.4.2.1, 8.1 AFST 2.5.2.3, 2.5.3.3, 2.5.4.3 AFOP 2.4.1.1, 5.5.1.1, 6.1.6.1 AFTA 2.2.1 | JP 3-01 JP 3-03 JP3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-01 Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 |
| | PD-31. Understand DOD and Air Force Policy as it relates to DSCA | OP 7.9 AFTA 4.5 | PPD-8 NRF JP 3-08 JP 3-28 JP 3-68 DODD 3025.18 | Annex 3-27 AFPD 10-8 AFI 10-801 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-2.67 |

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| | | | DODD 3025.21 DODI 3025.21 DODI 1322.28 | |
| | PD-32 (PP-17). Identify typical CBRN agents and elements, their delivery means and methods, and their characteristics and effects | OP 7.9 TA 6, 7.1 AFSN 1.2.2.2, 1.2.2.3 AFST 2.5.4.3 AFOP 2.4.1.1 AFTA 1.6.2.2, 4.5, 7.1.1, 7.1.2 | 29 CFR 1910.120(q) PPD 8 NSPD 20 HSPD 5, 10, 18, and 21 NS for Countering Biological Threats NS for Strategic Interdiction JP 3-11 DODD 2060.02 DODD S-2060.04 | AFMAN 10-2503 AFMAN 10-2504 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Passive Defense | PD-33. Recognize behavioral and physical symptoms possibly associated with CBRN exposure | OP 7.9 TA 6 AFSN 1.2.2.2 AFOP 4.4.3.4 AFTA 4.4.6.2, 7.1.1 | 29 CFR 1910.120(q) HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 DODD 2060.02 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | AFMAN 10-2503 AFMAN 10-2504 AFMAN 10-2603 AFTTP(I) 3-2.42 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 |
| | PD-34 (CM-19). Understand shelter in place/evacuation plan principles and procedures | OP 7.9 TA 6 AFTA 4.2.1.2, 7.1.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | AFMAN 10-2502 AFMAN 10-2503 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |

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| | PD-35 (PP-18). Know CBRN-detection capabilities, methods, and limitations, as well as the operational implications of detection/detector results | OP 7.9 AFOP 2.2.6, 2.5.4, 4.4.3.3, 4.4.3.4, 4.4.3.6 AFTA 7.1.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3-42.32 |
| | PD-36. Understand decontamination levels (i.e., immediate, operational, thorough, clearance) and limits | OP 7.9 AFSN 1.2.2.2, 1.2.2.3 AFTA 7.1.1, 7.1.2 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-17 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 STANAG 2426 | AFMAN 10-2503 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.60 AFTTP 3-42.32 T.O. 00-20-01 T.O. 11C15-1-3 AMC C-CBRN CONOPS |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Consequence Management | CM-01 (PD-03). Recognize operational planning considerations for the transport of contaminated/ contagious personnel (to include casualties and remains) and materiel (to include forensic samples) | OP 4.4.1.2 TA 1.1.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 JP 3-17 JP 3-35 JP 4-01.5 DODD S-2060.04 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-17 Annex 3-40 AFMAN 44-156 (I) AFTTP(I) 3-2.37 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP(I) 3-2.60 AFTTP(I) 3-42.5 AFTTP 3-42.32 AMC C-CBRN CONOPS AMCP 10-260 |

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| <p>CM-02. Understand planning considerations for NEO in a CBRN-threat environment</p> | <p>OP 7.9 TA 1.1.1, 7.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1 AFTA 1.6.1, 3.6.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-0 JP 3-11 JP 3-17 JP 3-68 JP 4-01.5</p> | <p>Annex 3-17 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 AMC C-CBRN CONOPS AMCP 10-260</p> |
| <p>CM-03 (CF-02). Understand civil and military reachback and support capabilities, CONUS and OCONUS, including those belonging to Allies, coalition and HN</p> | <p>AFSN 8.1 AFOP 4.4.5.3, 5.7.2.1, 6.5.5.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3</p> | <p>Annex 2-0 Annex 4-0 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32</p> |
| <p>CM-04. Understand the installation plans (i.e., IEMP and MCRP) for the mass care of displaced personnel, to include food, shelter and hygiene in a CBRN environment</p> | <p>AFTA 1.6.2.1, 4.2.1.1, 4.2.1.2</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3</p> | <p>AFMAN 10-2502 AFMAN 10-2503 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Consequence Management | CM-05 (CF-06/AD-03). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 | OP 7.9 AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.4, 2.4.1.4, 2.5.4, 5.7.2.1 AFTA 2.2.1, 2.2.22.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | Title 10, U.S. Code, Section 375 Title 18, U.S. Code, Section 1385 HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 DODD 5240.01 DOD 5240.1-R DODD 5148.11 | AFI 10-801 AFI 14-104 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| | CM-06. Understand the processes and demonstrate the ability to establish and conduct C2 during PD and CM activities | AFSN 3.6.4.1, 3.6.4.2 AFOP 5.5.1.1 | NSPD 17/HSPD 4 HSPD 5, 10, 18, and 21 PPD 8 PDD 62 NS for Countering Biological Threats NRF NIMS NRF, Terrorism Incident Annex CJCSI 3125.01C JP 3-41 DODI 2000.21 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 Annex 3-27 Annex 3-60 AFPD 10-8 AFPD 10-25 AFPD 10-26 AFI 10-2501 AFMAN 10-2503 AFMAN 10-2504 AFTTP(I) 3-2.37 AFTTP(I) 3-2.42 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Consequence Management | CM-07. Recognize and understand approved/credible intelligence and information sources following a CBRN attack | AFSN 3.4.2.1 AFSN 3.4.2.1 AFST 1.6.4.1 AFOP 2.2.2.1 AFTA 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4, 7.2.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| | CM-08. Understand the principles of public affairs operations in a CM environment including the impact of public perception on military C-CBRN operations | AFSN 1.2.2.2 AFST 1.6.4.1 AFTA 2.4.3.1, 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 JP 3-61 | AFPD 90-8 AFI 35-101 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| | CM-09. Recognize sources of health risks in a CBRN environment | TA 6, 7.1 AFST 2.2.3.2, 2.2.3.3, 2.2.3.4 AFOP 2.2.3.1, 2.2.3.5, 2.2.3.7, 4.4.3.1 AFTA 2.2.3.1.1, 2.2.3.1.2, 2.2.3.4.1, 2.2.3.4.2, 2.4.3 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| | CM-10. Recognize the effect population density has upon all C-CBRN operations and activities occurring on or near an Air Force installation | TA 6 AFOP 2.4.1.1 AFTA 2.4.3 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-41 | Annex 3-40 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| | CM-11. Understand potential psychological factors (e.g., stress, behavioral | AFSN 1.2.2.2 AFOP 4.4.3.3, 4.4.3.4, 4.4.3.6 AFTA 1.6.2.3, 4.4.6.2 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | AFMAN 44-156 (I) AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |

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| | casualties) during CBRN response incidents, operations, and activities | | | |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Consequence Management | CM-12. Understand the prioritization of prophylaxis and therapeutics distribution and the Strategic National Stockpile process | AFOP 4.4.3.3, 4.4.3.4. 4.4.3.6 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 2-0 AFTTP 3-2.46 AFTTP 3.2-55 AFTTP 3-42.32 |
| | CM-13. Understand the potential long-term physiological effects of CBRN exposure | AFSN 1.2.2.2 AFOP 4.4.3.3, 4.4.3.4. 4.4.3.6 AFTA 1.6.2.3 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | AFTTP(I) 3-2.55 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |
| | CM-14. Understand the importance of recording CBRN-exposure information in personnel medical records | AFSN 1.2.2.2 AFOP 4.4.3.3, 4.4.3.4. 4.4.3.6 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats | AFMAN 48-154 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |

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| | CM-15 (PD-23). Understand and demonstrate how to protect individuals, equipment, and assets from CBRN effects through contamination control and contamination avoidance TTPs IAW the IEMP 10-2 | OP 4.4.1.2, 7.9 AFOP 4.4.3.1 AFSN 1.2.2.2, 1.2.2.3 TA 6, 7.1 AFTA 1.6.2.2, 4.5, 7.1.1, 7.1.2 | 29 CFR 1910.120(q) HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 4-01.5 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFPD 10-8 AFPD 10-26 AFMAN 10-2503 AFMAN 10-2504 AFTTP(I) 3-2.37 AFTTP(I) 3-2.42 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Consequence Management | CM-16. Understand the requirement for use of evidentiary and crime scene preservation TTPs during C-CBRN activities and operations | OP 7.9 AFTA 2.4.3, 4.5, 7.1.1 | 29 CFR 1910.120(q) HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats NRF NIMS DODD S-2060.04 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | Annex 3-40 AFPD 10-8 AFPD 10-26 AFMAN 10-2503 AFTTP(I) 3-2.37 AFTTP(I) 3-2.42 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |
| | CM-17 (PP-13). Understand the forces, capabilities, methods, and equipment used by Joint and coalition forces to perform CBRN facility/site survey operations | OP 7.9 TA 2.4 AFSN 3.4.2.1, 8.1 AFST 2.5.2.3, 2.5.3.3, 2.5.4.3 AFOP 2.4.1.1, 5.5.1.1, 5.7.2.1, 6.1.6.1 AFTA 4.5 | NSPD 20 HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats NS for Strategic Interdiction | Annex 3-40 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |

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| | <p>CM-18. Understand second- and third-order consequences stemming from CBRN incidents</p> | <p>OP 7.9 AFSN 1.2.2.2 AFST 2.5.4.3 AFOP 2.4.1.1 AFTA 4.5, 7.1.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats</p> | <p>AFMAN 10-2503 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32</p> |
| | <p>CM-19 (PD-34). Understand shelter in place/evacuation plan principles and procedures</p> | <p>OP 7.9 TA 6 AFTA 4.2.1.2, 7.1.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats</p> | <p>AFMAN 10-2502 AFMAN 10-2503 AFPAM 10-100 AFTTP 3-2.44 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Consequence Management | CM-20. Understand the limitations of aircraft decontamination capability during CM planning and operations | OP 7.9 TA 1.1.1 AFSN 1.2.2.1, 1.2.2.3, 1.2.8 AFST 1.1.3.1 AFOP 1.1, 1.1.2.1 AFTA 7.1.1, 7.1.2 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-17 FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 STANAG 2426 Formal Test Report for the Large-Frame Aircraft Decontamination Demonstration, U.S. Army Dugway Proving Ground Final Test Report for Polluted Lizard, U.S. Army Dugway Proving Ground JPEO JRO Joint Strike Fighter Chem Bio Review | AFMAN 10-2503 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP(I) 3-2.60 AFTTP 3-42.32 T.O. 00-20-1 T.O. 11C15-1-3 AMC C-CBRN CONOPS |
| | CM-21. Understand the requirement of monitoring and testing food and water supplies before, during, and after a CBRN incident | OP 7.9 AFOP 2.4.1.1 AFTA 7.1.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats FM 4-02.7/MCRP4-11/NTTP 4-02.7/AFTTP 3-42.3 | AFI 10-246 AFTTP 3-2.46 AFTTP(I) 3-2.55 AFTTP 3-42.32 |
| | CM-22. Understand how to develop planning factors including population at risk | OP 7.9 AFOP 2.4.1.1 AFTA 7.1.1 | JP 4-02 | Annex 3-40 Annex 4-02 |

| | (day/night variances), critical infrastructure, and resource availability both in and out of the affected areas | | | |
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| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | EN-01. Understand the potential for enemy denial and deception to mask CBRN activities | AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 2.2.6.1, 2.2.6.2, 2.2.6.4, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.2.6, 2.4.2.7, 2.5.3.1, 2.5.6.1, 2.5.6.2 AFOP 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4 AFTA 2.2.4.2, 2.2.5.1, 2.4.3, 2.4.3.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 | Annex 2-0 |
| | EN-02. Recognize trends and patterns to identify indications of CBRN mobilization | TA 2.4 AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4 AFTA 1.5.3.1.4, 2.2.1, 2.2.2, 2.2.2.1, | JP 3-11 | Annex 3-40 Annex 2-0 AFPD 10-26 AFPD 14-2 AFI 14-119 AFMAN 10-2503 |

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| | 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1 | | |
| EN-03. Anticipate potential adversary COAs | AFSN 2.1.2.1, 2.2.3.1 AFST 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.4.1.1, 2.4.1.4, 2.5.4, 3.1.9, 6.1.6.1 AFTA 2.2.1, 2.4.3, 2.4.3.1, 2.7.1, 3.6, 6.3.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-40 Annex 2-0 AFPD 10-26 AFPD 14-2 AFI 14-119 AFMAN 10-2503 |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Strategic Enablers | EN-04. Determine enemy CBRN capability and its effect on U.S. CF capabilities | AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1 | JP 3-11 | Annex 3-40 Annex 2-0 AAFP 10-26 AAFP 14-2 AFI 14-119 |
| | EN-05. Determine an adversary's (state and non-state) CBRN capabilities to include intentions, vulnerabilities, and means of delivery | AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4, 6.1.6.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-11 JP 3-26 JP 3-60 | Annex 3-40 Annex 2-0 AAFP 10-26 AAFP 14-2 AFI 14-119 AFMAN 10-2502 |

| | | AFTA 1.5.3.1, 1.5.3.1.3, 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1, 3.2.8.2 | | |
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| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | EN-06. Predict the CBRN hazard to friendly forces near permanent and dispersed bases | TA 2.4 AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.4.1.1, 2.4.1.4, 2.5.4, 6.1.6.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1, 3.6, 6.3.1 | 29 CFR 1910.120(q) HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-11 | Annex 3-40 AFPD 10-8 AFPD 10-26 AFI 10-2501 AFMAN 10-2502 AFMAN 10-2503 AFPAM 10-100 AFTTP(I) 3-2.42 AFTTP 3-42.32 |

| | <p>EN-07. Understand enemy intelligence, logistical and operational TTPs to improve C-CBRN AD and PD</p> | <p>AFSN 2.1.2.1, 2.2.3.1</p> <p>AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.4.1.1, 2.4.1.4, 6.1.6.1</p> <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats</p> | <p>AFPAM 14-123 AFTTP 3-42.32</p> |
|--------------------|--|---|--|---|
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | <p>EN-08. Understand the full range of potential space, airborne, and surface threats to U.S. interests as they relate to C-CBRN AD and PD</p> | <p>AFSN 2.1.2.1, 2.2.3.1</p> <p>AFST 1.6.5, 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4, 5.5.1.1, 6.1.6.1</p> | <p>JP 3-11</p> | <p>Annex 3-10 Annex 3-40 AFPD 10-8 AFPD 10-26 AFI 10-2501 AFMAN 10-2502 AFMAN 10-2503 AFTTP(I) 3-2.42</p> |

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| | <p>AFTA 1.5.3.1, 1.5.3.1.1, 1.5.3.1.3, 1.5.3.1.4, 1.6.5.1.1, 1.6.5.1.2, 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1, 3.2.8.2, 3.6, 6.3.1</p> | | |
| <p>EN-09. Develop and review statements of intelligence interest as they relate to the C-CBRN mission</p> | <p>AFSN 2.1.2.1, 2.2.3.1</p> <p>AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.2.2.1, 2.4.1.1, 2.4.1.4</p> <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1</p> | <p>HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats</p> | <p>AFI 14-119 AFI 14-202 V1 AFTTP 3-42.32</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
|---------------------------|---|--|------------------------|----------------------------------|
| Strategic Enablers | EN-10. Understand that potential enemy COAs in developing and/or employing CBRN weapons may be predicted by modeling and simulation methods and tools | AFSN 2.1.2.1, 2.2.3.1 AFST 2.4.1.3.1, 2.4.1.4, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.4.1.1 AFTA 2.2.1, 2.7.1 | | AFI 14-202 V1 |
| | EN-11. Understand and assess adversary CBRN S&T acquisition and development process (i.e., intent, knowledge, technical infrastructure, agent/material, weapon production, stockpile, deployment) | AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.6, 2.4.1.1, 2.4.1.4, 6.1.6.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1, 4.5 | | AFMAN 10-2503 AFTTP(I) 3-2.55 |
| | EN-12. Recognize adversaries' potential ability to degrade C-CBRN AD and PD activities through denial, deception, or unconventional attack | AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.3.1, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, | | AFMAN 10-2503 AFTTP(I) 3-2.55 |

| | | 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.4.1.4, 6.1.6.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1 | | |
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| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | EN-13. Understand what role space, airborne and surface assets play in detecting the CBRN threat and how that information is passed to the warfighter | TA 2.4, 3.2.3, 3.2.7 AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 1.6.4.1, 1.6.5, 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4, 5.5.1.1 AFTA 1.5.3.1.1, 1.5.3.1.2, 1.5.3.1.3, 1.5.3.1.4, 1.5.3.1.5, 1.6.5.1.1, 1.6.5.1.2, 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.4.3.1, 2.7.1 | JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | AFI 14-119 |

| | <p>EN-14. Understand unique and acquired target signatures and appropriate collection means</p> | <p>AFSN 2.1.2.1, 2.2.3.1</p> <p>AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.2.2.1, 2.2.6, 2.4.1.4, 2.5.4, 3.1.9</p> <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1</p> | <p>JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04</p> | |
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| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | <p>EN-15. Be able to understand finished intelligence unique to CBRN targets</p> | <p>TA 2.4</p> <p>AFSN 2.1.2.1, 2.2.3.1</p> <p>AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4</p> <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2,</p> | <p>JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04</p> | <p>AFPD 10-26</p> |

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| | 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | | |
| EN-16. Understand the need for greater information reporting and sharing to improve CBRN tracking | TA 2.4 AFSN 2.1.2.1, 2.2.3.1 AFST 1.6.4.1, 2.2.6, 2.2.7, 2.2.8, 2.4.1.4, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.4.1.1, 3.1.9 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.4.3, 2.4.3.1, 2.7.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | Annex 3-10 AFI 14-119 AFTTP 3-42.32 |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
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| Strategic Enablers | EN-17. Understand the importance of multiple information sources and methods to obtain a high level of fidelity and granularity for C-CBRN identification | TA 2.4 AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 6.1.6.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | Annex 3-10 AFTTP 3-42.32 |

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|---------------------------|---|--|---|-----------------------------|
| | EN-18. Understand the capabilities and limitations of existing sensors and weapons to detect, divert or destroy/ defeat CBRN or CBRN-capable threats and delivery means | TA 2.4, 3.2.3, 3.2.7 AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 2.2.3.2, 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4, 6.1.6.1 AFTA 1.5.3.1, 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | Annex 3-10 AFTTP 3-42.32 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | EN-19. Understand how to shape the battlespace in a CBRN environment | TA 2.4, 7.1 AFSN 2.1.2.1, 2.2.3.1 AFST 1.6.5, 2.2.6, 2.2.7, 2.2.8, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.3.1, 2.4.1.1, 2.4.1.4, 2.5.4, 5.5.1.1 | HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats JP 3-01 JP 3-03 JP 3-05 JP 3-26 JP 3-60 CJCSI 3520.02A CJCSI 5113.03 | AFI 10-2503 AFTTP 3-2.46 |

| | | | |
|---|---|--|---|
| | <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.4.3, 2.4.3.1, 2.7.1, 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4, 7.1.1</p> | | |
| <p>EN-20. Understand ways proliferation can be detected, lines of communication, and the potential for the movement of CBRN technology and materiel</p> | <p>AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1</p> | <p>NSPD 20 NS for Strategic Interdiction CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04</p> | <p>AFI 14-119 AFI 16-607</p> |

| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
|--------------------|--|--|--|-------------------------------------|
| Strategic Enablers | EN-21. Understand assets, processes, capabilities, limitations and complexities of the intelligence community and ISR, and the complexity of collecting within the U.S. and its territories in support of C-CBRN operations and activities | <p>AFSN 2.1.2.1</p> <p>AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 6.1.6.1</p> <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1</p> | <p>NSPD 20</p> <p>NS for Strategic Interdiction</p> <p>CJCSI 3520.02A</p> <p>CJCSI 5113.03</p> <p>DODD S-2060.04</p> | <p>AFI 14-104</p> <p>AFI 16-607</p> |
| | EN-22. Understand how to correlate multiple information sources and methods to obtain a high level of fidelity and granularity | <p>AFSN 2.1.2.1, 2.2.3.1</p> <p>AFST 1.6.4.1, 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2</p> <p>AFOP 2.2.2.1, 2.2.3.5, 2.2.6, 2.4.1.1, 2.4.1.4, 6.1.6.1</p> <p>AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2,</p> | <p>NSPD 20</p> <p>NS for Strategic Interdiction</p> <p>CJCSI 3520.02A</p> <p>CJCSI 5113.03</p> <p>DODD S-2060.04</p> | |

| | | 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1, 5.6.7, 5.6.7.1, 5.6.7.3, 5.6.7.4 | | |
|--------------------|--|--|---|-----------|
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | EN-23. Understand the challenge of using all-source intelligence to identify and track unconventional delivery means with a high level of confidence | TA 2.4 AFSN 2.1.2.1, 2.2.3.1, 3.4.2.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.2.6, 2.4.1.1, 2.4.1.4, 2.5.4, 6.1.6.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | NSPD 20 NS for Strategic Interdiction CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | |

| | | | | |
|---------------------------|---|---|--|----------------------------|
| | EN-24. Recognize the contributions of non-traditional ISR to the C-CBRN mission | AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.4.1.1, 2.4.1.4, 6.1.6.1 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | NSPD 20 NS for Strategic Interdiction CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | Annex 2-0 |
| Pillar | Competency | Associated AFUTL * | National / DOD / Joint | Air Force |
| Strategic Enablers | EN-25. Understand the importance of employing intelligence reachback during C-CBRN operations | AFSN 2.1.2.1, 2.2.3.1 AFST 2.2.6, 2.2.6.1, 2.2.6.2, 2.2.6.3, 2.2.6.4, 2.2.7, 2.2.7.1, 2.2.7.2, 2.2.7.3, 2.2.8, 2.2.8.1, 2.2.8.3, 2.2.8.4, 2.2.9.1, 2.2.9.2, 2.3.4, 2.3.6, 2.3.7, 2.4.1.3, 2.4.1.4, 2.4.1.5, 2.4.1.7, 2.4.1.8, 2.4.2.6, 2.4.2.7, 2.5.1.3, 2.5.1.3.1, 2.5.1.4, 2.5.1.5, 2.5.2.1, 2.5.2.2, 2.5.2.3, 2.5.3.1, 2.5.3.2, 2.5.3.3, 2.5.4.1, 2.5.4.2, 2.5.4.3, 2.5.6.1, 2.5.6.2 AFOP 2.2.2.1, 2.4, 2.4.1.4, 2.5.4 AFTA 2.2.1, 2.2.2, 2.2.2.1, 2.2.2.1.1, 2.2.2.1.2, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.5.1, 2.2.5.1.2, 2.2.5.1.3, 2.4.3, 2.7.1 | NSPD 20 HSPD 5, 10, 18, and 21 PPD 8 NS for Countering Biological Threats NS for Strategic Interdiction CJCSI 3520.02A CJCSI 5113.03 DODD S-2060.04 | Annex 2-0 AFTTP 3-42.32 |

EN-26. Understand the requirement for collecting lessons learned and preparing AARs during all phases (e.g., planning, preparation, mitigation, and recovery) of a CBRN incident

NSPD 20
HSPD 5, 10, 18, and 21
PPD 8
NS for Countering Biological Threats
NS for Strategic Interdiction
CJCSI 3520.02A
CJCSI 5113.03
DODD S-2060.04

Annex 3-0
AFTTP 3-42.32

* References to Universal Joint Task List tasks (e.g., TA, OP) were taken from the AFUTL, 1 Feb 13

Attachment 4

RECOMMENDED EDUCATION AND TRAINING LEVELS FOR ETE C-CBRN COMPETENCIES

A4.1. Curriculum developers may refer to the recommended education and training levels in this attachment when designing courses. As resources and program missions permit, curricula may support these competencies as they contribute to overall C-CBRN force development.

Table A4.1. Recommended Education and Training Levels For ETE C-CBRN Competencies

| LEGEND: | | | | | |
|--------------------------------|-------------------------|------------------------------|----------------------|---------------------------------|------------|
| Education Levels | | | | | |
| 1 | Knowledge/Comprehension | | | | |
| 2 | Application | | | | |
| 3 | Analysis/Synthesis | | | | |
| Training Levels | | | | | |
| Task Performance Levels | | Task Knowledge Levels | | Subject Knowledge Levels | |
| 1 | Extremely Limited | a | Nomenclature | A | Facts |
| 2 | Partially Proficient | b | Procedures | B | Principles |
| 3 | Competent | c | Operating Principles | C | Analysis |
| 4 | Highly Proficient | d | Advanced Theory | D | Evaluation |
| | | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | | |
|--------------------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|---|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | | |
| Proliferation Prevention | PP-01. Understand C-CBRN interdiction policy | | | | | | | 1 | 1 | | | | | | | | | | | | | | | ✓ | | |
| | PP-02. Understand planning considerations for air, ground, and sea interdiction operations of in-transit CBRN weapons and materials | | | | | | 1 | 3 | 3 | | | | | | | | | | | | | | | ✓ | | |
| | PP-03 (CF-04). Understand the potential national, international, and diplomatic implications stemming from C-CBRN operations | | | | | | | 1 | 1 | | | | | | | | C | | | | | | | ✓ | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|--------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Counterforce | CF-01. Understand the limitations in technology and expertise for CBRN assessments | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| | CF-02 (CM-03). Understand civil and military reachback and support capabilities, CONUS and OCONUS, including those belonging to Allies, coalition and HN | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | | |
| | CF-03. Understand how standing ROE are applicable versus RUF and how to apply each to | | | | | | | 1 | 2 | | | | | | A | B | B | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--|------------------------------------|---------|---------|---------|----------|---------|---------|------|-----------------------------------|--------------|---------|---------|---------|---------|---------|---------|-----------------------------------|-------------|--------------|----------|--------------|
| | CBRN situations | | | | | | | | | | | | | | | | | | | | | |
| | CF-04 (PP-03). Understand the potential national, international, and diplomatic implications stemming from C-CBRN operations | | | | | | | 1 | 1 | | | | | C | | | | | ✓ | | | |
| Pillar | Competency | Recommended Education Level | | | | | | | | Recommended Training Level | | | | | | | | Recommended Exercise Level | | | | |
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** |
| Counterforce | CF-05. Understand the potential effects of weather during CBRN operations | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|------------------------------------|---------|---------|---------|----------|---------|---------|------|-----------------------------------|--------------|---------|---------|---------|---------|-----------------------------------|---------|------|-------------|--------------|----------|--------------|----------------|--|
| | CF-22. Understand and apply the benefits of aggressive IO to the CBRN CF mission | | | 1 | | 1 | 2 | 2 | | | | | | | | | | | | | | | | |
| | CF-23. Understand different types of assessment, to include BDA, weapons effectiveness, and mission analysis | | | | | 1 | 1 | 1 | | | | | A | B | | | | | | | | | | |
| Pillar | Competency | Recommended Education Level | | | | | | | | Recommended Training Level | | | | | | Recommended Exercise Level | | | | | | | | |
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs*** | |
| Counterforce | CF-24. Understand the full range of attack options and the optimized combination of weapons and platforms to produce various options for effects-based kills | | | | | | 1 | 2 | 2 | | | | | | | A | A | | | | | | ✓ | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|--|--|---|---|---|--|---|---|---|---|--|---|---|--|--|---|---|---|---|---|---|---|---|---|---|---|--|--|--|---|
| Active Defense | CF-33. Understand the implications of asset contamination in the course of C-CBRN operations | | | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 | | | A | B | E | B | | B | B | B | | B | B | | | | |
| | AD-01. Understand constraints affecting the allocation process of air and space capabilities needed to detect CBRN threats during C-CBRN AD operations | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | ✓ |
| | AD-02. Recognize the importance of including C-CBRN AD in the development of the air and space tasking orders | | | 1 | 1 | 1 | | | 1 | 2 | 2 | | | | | | | | | A | A | | | | A | A | | | | | ✓ |

| Pillar | Competency | Recommended Education Level | | | | | | | | Recommended Training Level | | | | | | | | Recommended Exercise Level | | | | | | |
|----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|----------------------------|--------------|---------|---------|---------|---------|---------|---------|----------------------------|-------------|--------------|----------|--------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Active Defense | AD-03 (CF-06/CM-05). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 | | | | 1 | | 1 | 1 | 1 | | 1 | A | A | A | A | A | B | B | | | | | | |
| | AD-04. Understand how the following elements form an operational framework that enables C-CBRN AD operational capability: all layers of AD, sensors, shooters, and the battlespace management | | 1 | 1 | 2 | | 1 | 1 | 2 | | | | | | | | | | | | ✓ | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | |
|----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|---|---|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | |
| Active Defense | AD-06. Understand and demonstrate the ability to plan, command, control and execute C-CBRN operations, and assess the impact to friendly forces | E | X | E | R | C | I | S | E | O | N | L | Y | C | C | M | P | E | T | E | N | C | Y | ✓ | ✓ |
| | AD-07. Understand the value of designated and potential diversion sites for inbound CBRN weapons systems | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| | AD-08 (PP-05/CF-08). Understand the consequences of hitting CBRN targets | | 1 | 1 | 1 | | 1 | 2 | 2 | | | | | A | E | B | A | B | B | | | | ✓ | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | Recommended Training Level | | | | | | | | Recommended Exercise Level | | | | | |
|----------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|----------------------------|--------------|---------|---------|---------|---------|---------|---------|----------------------------|-------------|--------------|----------|--------------|---------------|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** |
| Active Defense | AD-23 (PD-30). Understand integration of Air Force, Joint, and coalition C-CBRN-detection networks and warning and reporting procedures and capabilities | | | | | | 1 | 1 | | | | | | | | | | | | | ✓ | | |
| | AD-24. Understand the challenges inherent to identifying CBRN (e.g., breadth of potential delivery devices, time sensitivity) | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | A | A | A | | A | A | | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | Recommended Training Level | | | | | | | | Recommended Exercise Level | | | | | | | | |
|-----------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|----------------------------|--------------|---------|---------|---------|---------|---------|---------|----------------------------|-------------|--------------|----------|--------------|---------------|---|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | | |
| Passive Defense | PD-05. Identify approval process required to operate mobility aircraft to/from CBRN-contaminated airfields | | | | | | | 1 | 2 | | | | | | | | | | | | | | | ✓ | | |
| | PD-06. Understand operational considerations for air mobility support to SOF in a CBRN-threat environment | | | | 1 | | | 1 | 2 | | | | | | | | | | | | | | | ✓ | | |
| | PD-07. Recognize the requirement to designate alternate APOE/APOD to facilitate contamination avoidance | | | | 1 | | 1 | 2 | 3 | | | | | | | | | | | | | | | ✓ | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|-----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|----------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs*** | |
| Passive Defense | PD-16 (AD-17). Recognize indicators of potential enemy CBRN use | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | A | A | B | B | A | B | B | | | ✓ | | | |
| | PD-17. Identify the installation's potential CBRN hazards/vulnerabilities during the IDRMP process | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | A | B | B | A | B | B | | | ✓ | | | |
| | PD-18. Apply combat lifesaving skills in a CBRN-contaminated environment, to include medical prophylaxis and SABC | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | B | 2b | 2b | 2b B | 2b B | 2b A | 2b A | 2b | 2b | ✓ | | | |
| | PD-19. Conduct CBRN-contaminated casualty movement | | | | | | | | | | | A | 2b | 2b | B | 2b | 2b | | | | ✓ | | | |
| | PD-20. Understand the need to monitor local populations for diseases of operational importance | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | ✓ | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|-----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Passive Defense | PD-21. Understand the importance of medical C-CBRN requirements, to include pre-treatment, patient decontamination, post-exposure screening, and treatment. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | A | A | A | A | A | ✓ | | | |
| | PD-22. Understand the use of medical surveillance to detect CBRN use | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| | PD-23 (CM-15). Understand and demonstrate how to protect individuals, equipment, and assets from CBRN effects through contamination control and contamination avoidance TTPs IAW the installation CBRN Defense Plan | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 1 | 1 | B | 2b B | 2b B | 2b | 2b B | 2b B | 2b B | | | ✓ | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | |
|-----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | |
| Passive Defense | PD-24. Know Air Force, Joint, HN, combined, and coalition warning systems and signals, appropriate reporting procedures, and how to react to alarm conditions and protective postures | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | B | B | B | B | B | B | B | B | B | B | B | ✓ | | |
| | PD-25. Establish/demonstrate proficiency in utilizing the CBRN Warning and Reporting System | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | B | B | B | B | 2b B | 2b | 2b | B | 2b | ✓ | | | | |
| | PD-26. Understand post-attack reconnaissance procedures and responsibilities for identifying, marking, and reporting CBRN materials, to include unexploded ordnance | | | | | | | | | | | | A | B | B | B | 2b | 2b | 2b | B | 2b | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|-----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|---|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Passive Defense | PD-27 (PP-09/CF-32/AD-20). Demonstrate knowledge of Joint, combined, and coalition theater operations in a CBRN-contaminated environment | | | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | ✓ | ✓ | ✓ |
| | PD-28 (PP-10/AD-21). Develop and conduct realistic C-CBRN exercises with Joint, combined, coalition and interagency partners | | | | | | | | | | | | | | 1a | | | | | | | ✓ | | |
| | PD-29. Identify inter-relationships with Joint, Allied and coalition CBRN forces in shaping the battlespace | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 3 | | | | | | | | | | | | | | | |
| | PD-30 (AD-23). Understand integration of Air Force, Joint and coalition CBRN-detection networks and warning and reporting procedures and capabilities | | | | | | | 1 | 1 | | | | | | | | | | | | | ✓ | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|-----------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Passive Defense | PD-31. Understand DOD and Air Force Policy as it relates to DSCA | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | | 2 | A | A | A | A | A | B | B | | A | ✓ | | | |
| | PD-32 (PP-17). Identify typical CBRN agents and elements, their delivery means and methods, and their characteristics and effects | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | A | A | | | ✓ | | | |
| | PD-33. Recognize behavioral and physical symptoms possibly associated with CBRN exposure | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | A | A | B | B | A | B | B | B | B | ✓ | | | |
| | PD-34 (CM-19). Understand shelter in place/evacuation plan principles and procedures | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | A | A | A | A | A | A | A | A | A | ✓ | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|------------------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Passive Defense | PD-35 (PP-18). Know CBRN-detection capabilities, methods, and limitations, as well as the operational implications of detection/detector results | | 1 | 2 | 2 | | 1 | 2 | 2 | 2 | | 1 | 1 | | A | A | A | A | | A | A | | | |
| | PD-36. Understand decontamination levels (i.e., immediate, operational, thorough, clearance) and limits | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | A | A | A | A | | A | A | ✓ | | |
| Consequence Management | CM-01 (PD-03). Recognize operational planning considerations for the transport of contaminated/contagious personnel (to include casualties and remains) and materiel (to include forensic samples) | | | 1 | 1 | | | 1 | 1 | 1 | | | | | | | | | | | | ✓ | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|------------------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Consequence Management | CM-02. Understand planning considerations for NEO in a CBRN-threat environment | | 1 | 2 | 2 | | 1 | 2 | 3 | | 1 | 1 | A | A | A | A | A | A | A | A | | ✓ | | |
| | CM-03 (CF-02). Understand civil and military reachback and support capabilities, CONUS and OCONUS, including those belonging to Allies, coalition and HN | | | | | | | 1 | 1 | | | 1 | | | A | B | B | B | B | B | | | | |
| | CM-04. Understand the installation plans (i.e., IEMP and MCRP) for the mass care of displaced personnel, to include food, shelter and hygiene in a CBRN environment | | | | 1 | | | | | 1 | | | 1 | A | A | A | A | A | A | A | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|------------------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Consequence Management | CM-05 (CF-06/AD-03). Understand restrictions and legal limitations affecting C-CBRN operations, activities, and command authorities as governed by Titles 10 and 32 | | | | 1 | | 1 | 1 | 1 | | 1 | A | A | A | A | A | B | B | | B | | | | |
| | CM-06. Understand the processes and demonstrate the ability to establish and conduct C2 during PD and CM activities | | | | | | | 1 | 1 | | 1 | A | A | B | B | B | B | B | | B | ✓ | | | |
| | CM-07. Recognize and understand approved/credible intelligence and information sources following a CBRN attack | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | A | B | B | A | B | | B | | | | | |
| | CM-08. Understand the principles of public affairs operations in a CM environment including the impact of public perception on military C-CBRN operations | | | | | | | 1 | 1 | | 1 | A | A | A | A | A | B | B | | B | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|------------------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Consequence Management | CM-09. Recognize sources of health risks in a CBRN environment | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | A | A | A | A | A | | | | |
| | CM-10. Recognize the effect population density has upon all C-CBRN operations and activities occurring on or near an Air Force installation | | | | 1 | | | | 1 | | | | | | | | | | | | | | | |
| | CM-11. Understand potential psychological factors (e.g., stress, behavioral casualties) during CBRN response incidents, operations, and activities | | | 1 | 1 | | 1 | 1 | 1 | | | A | A | B | B | A | B | B | | | | | | |
| | CM-12. Understand the prioritization of prophylaxis and therapeutics distribution and the Strategic National Stockpile process | | | | | | | 1 | 1 | | 1 | | | | | A | A | B | | B | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|------------------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Consequence Management | CM-13. Understand the potential long-term physiological effects of CBRN exposure | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | A | A | A | A | A | B | B | | | | | | |
| | CM-14. Understand the importance of recording CBRN-exposure information in personnel medical records | | | | | | | | 1 | | | A | A | A | A | A | A | | | | | | | |
| | CM-15 (PD-23). Understand and demonstrate how to protect individuals, equipment, and assets from CBRN effects through contamination control and contamination avoidance TTPs IAW the IEMP 10-2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 1 | 1 | B | 2b B | 2b B | 2b B | 2b B | 2b B | 2b B | | | ✓ | ✓ | ✓ | |
| | CM-16. Understand the requirement for use of evidentiary and crime scene preservation TTPs during C-CBRN activities and operations | | | | 1 | | | 1 | 1 | | | A | A | B | B | A | B | B | | | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|------------------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Consequence Management | CM-21. Understand the requirement of monitoring and testing food and water supplies before, during, and after a CBRN incident | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | B | B | B | B | B | B | B | | | | | | |
| | CM-22. Understand how to develop planning factors including population at risk (day/night variances), critical infrastructure, and resource availability both in and out of the affected areas | | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | | | | | | | | | | |
| Strategic Enablers | EN-01. Understand the potential for enemy denial and deception to mask CBRN activities | | | | | | 1 | 1 | 1 | | | A | A | B | B | A | B | B | | | | | | |
| | EN-02. Recognize trends and patterns to identify indications of CBRN mobilization | | | | | | | | | | | A | A | B | B | A | B | B | | | ✓ | | | |
| | EN-03. Anticipate potential adversary COAs | | | | | | 1 | 2 | 2 | | 2 | | | A | A | B | B | | B | | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | | | |
|--------------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|---|--|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | | | |
| Strategic Enablers | EN-04. Determine enemy CBRN capability and its effect on U.S. CF capabilities | | | | | | | 2 | 2 | | | | | | | | | | | | | | | ✓ | | | |
| | EN-05. Determine an adversary's (state and non-state) CBRN capabilities to include intentions, vulnerabilities, and means of delivery | | | | | | | 1 | 1 | | | | | A | A | B | B | B | B | | | | | ✓ | | | |
| | EN-06. Predict the CBRN hazard to friendly forces near permanent and dispersed bases | | | | | | | | 1 | 1 | | | | | | A | A | A | B | B | | | | | | | |
| | EN-07. Understand enemy intelligence, logistical and operational TTPs to improve C-CBRN AD and PD | | | | | | | | 1 | 1 | | | | | A | B | A | A | B | B | | | | | | | |
| | EN-08. Understand the full range of potential space, airborne, and surface threats to U.S. interests as they relate to C-CBRN AD and PD | | | | | | | | | 1 | | | | | | | A | A | A | B | B | | | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|--------------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Strategic Enablers | EN-09. Develop and review statements of intelligence interest as they relate to the C-CBRN mission | | | | | | | | | | | | | | | A | B | | | | | | | |
| | EN-10. Understand that potential enemy COAs in developing and/or employing CBRN weapons may be predicted by modeling and simulation methods and tools | | | | | | | 1 | 1 | | | | | | | A | A | | | | | | | |
| | EN-11. Understand and assess adversary CBRN S&T acquisition and development process (i.e., intent, knowledge, technical infrastructure, agent/material, weapon production, stockpile, deployment) | | | | | | | | 1 | 1 | | | | | | | | A | | | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | |
|--------------------|---|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | |
| Strategic Enablers | EN-12. Recognize adversaries' potential ability to degrade C-CBRN AD and PD activities through denial, deception, or unconventional attack | | | 1 | 1 | | 1 | 1 | 1 | | | | A | A | A | A | B | A | | | | | | | |
| | EN-13. Understand what role space, airborne and surface assets play in detecting the CBRN threat and how that information is passed to the warfighter | | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | A | A | A | | | | | | | | |
| | EN-14. Understand unique and acquired target signatures and appropriate collection means | | | | | | | 1 | 1 | | | | | A | A | A | A | A | | | ✓ | | | | |
| | EN-15. Be able to understand finished intelligence unique to CBRN targets | | | 1 | 1 | | | | | | | | | | | A | B | B | | | | | | | |
| | EN-16. Understand the need for greater information reporting and sharing to improve CBRN tracking | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | A | A | B | B | A | B | B | | | ✓ | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | |
|--------------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | |
| Strategic Enablers | EN-17. Understand the importance of multiple information sources and methods to obtain a high level of fidelity and granularity for C-CBRN identification | | | | 1 | | 1 | 1 | 1 | | | A | A | B | B | A | B | B | | | | | | | |
| | EN-18. Understand the capabilities and limitations of existing sensors and weapons to detect, divert or destroy/defeat CBRN or CBRN-capable threats and delivery means | | | 1 | 1 | | 1 | 2 | 2 | | | | | A | A | A | B | B | | | | | | | |
| | EN-19. Understand how to shape the battlespace in a CBRN environment | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| | EN-20. Understand ways proliferation can be detected, lines of communication, and the potential for the movement of CBRN technology and materiel | | 1 | 1 | 2 | 1 | 1 | 2 | 3 | | | A | A | A | A | A | A | A | | | ✓ | | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | |
|--------------------|--|-----------------------------|---------|---------|---------|----------|---------|---------|------|-------------|--------------|----------------------------|---------|---------|---------|---------|---------|------|-------------|--------------|----------|----------------------------|---------------|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | |
| Strategic Enablers | EN-21. Understand assets, processes, capabilities, limitations and complexities of the intelligence community and ISR, and the complexity of collecting within the U.S. and its territories in support of C-CBRN operations and activities | | 1 | 1 | 2 | | 1 | 1 | 2 | | | | A | A | A | A | A | A | | | | | | |
| | EN-22. Understand how to correlate multiple information sources and methods to obtain a high level of fidelity and granularity | | | | | | | | | | | | A | B | | A | B | | | | | | | |
| | EN-23. Understand the challenge of using all-source intelligence to identify and track unconventional delivery means with a high level of confidence | | | | | | | 1 | 1 | | | | | B | B | | A | B | | | ✓ | | | |

| Pillar | Competency | Recommended Education Level | | | | | | | | | | Recommended Training Level | | | | | | | | | | Recommended Exercise Level | | | | |
|--|--|-----------------------------|----------|----------|----------|----------|----------|----------|----------|-------------|--------------|----------------------------|----------|----------|----------|----------|----------|----------|-------------|--------------|----------|----------------------------|---------------|---|--|--|
| | | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | Pre-Comm | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | E1 - E3 | E4 - E5 | E6 - E7 | E8 - E9 | O1 - O3 | O4 - O5 | O6 + | EE CIV/CTR* | CIV Sr Ldrs* | Military | EE CIV/CTR** | CIV Sr Ldrs** | | | |
| Strategic Enablers | EN-24. Recognize the contributions of non-traditional ISR to the C-CBRN mission | | | | | | | 1 | 1 | | | | | A | A | A | A | A | A | A | | | ✓ | | | |
| | EN-25. Understand the importance of employing intelligence reachback during C-CBRN operations | | | | 1 | | | 1 | 2 | | | | | | | A | B | B | A | B | B | | | ✓ | | |
| | EN-26. Understand the requirement for collecting lessons learned and preparing AARs during all phases (e.g., planning, preparation, mitigation, and recovery) of a CBRN incident | E | X | E | R | C | I | S | E | O | N | L | Y | C | O | M | P | E | T | E | N | C | Y | ✓ | | |
| <p>* Civilian and contractor personnel should receive education and training in C-CBRN competencies that are commensurate with their roles and responsibilities. It is the responsibility of the unit commander, flight chief, superintendents, non-commissioned officers in charge, appointed trainers and certifiers, trainees, and the unit training managers to ensure personnel are properly trained and educated to perform their assigned functions.</p> <p>** Whenever possible, civilian and contractor personnel should participate in CBRN exercises with their military counterparts to hone and validate their C-CBRN-related skills and knowledge.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |

