

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

**DEPARTMENT OF THE AIR FORCE
INSTRUCTION 10-2602**



30 JUNE 2022

Operations

**COUNTERING WEAPONS OF
MASS DESTRUCTION ENTERPRISE**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

ACCESSIBILITY: Publications and forms are available for downloading or ordering on the e-Publishing web site at www.e-Publishing.af.mil

RELEASABILITY: There are no restrictions on the release of this publication

Certified by: HQ USAF/A10S
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OPR: AF/A10S

Senior Coordinator:
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Pages: 52

This publication implements Air Force Policy Directive (AFPD) 10-26, *Countering Weapons of Mass Destruction*. This publication is consistent with Department of the Air Force (DAF) Instruction (DAFI) 10-2501, *Air Force Emergency Management Program*, DAFI 10-2601, *Electromagnetic Pulse Survivability Program*, Air Force Instruction (AFI) 10-2607, *Chemical, Biological, Radiological, and Nuclear Survivability*, AFI 11-301, Volume 1, *Aircrew Flight Equipment Program*, AFI 13-500, *Air Force Nuclear Mission Responsibilities*, AFI 48-101, *Aerospace Medicine Enterprise*, Air Force Manual (AFMAN) 10-2503, *Operations in a Chemical, Biological, Radiological, and Nuclear Environment*, and Air Force Handbook (AFH) 10-2603, *Operations in a Nuclear Environment*. This instruction provides policy, organizational responsibilities, and processes by which the DAF governs the Countering Weapons of Mass Destruction (WMD) Enterprise. This publication applies to the Regular United States Air Force (USAF), United States Space Force (USSF), Air Force Reserve, and the Air National Guard. Ensure all records generated as a result of processes prescribed in this publication adhere to Air Force Instruction 33-322, *Records Management and Information Governance Program*, and are disposed in accordance with the Air Force Records Disposition Schedule, which is located in the Air Force Records Information Management System. Refer recommended changes and questions about this publication to the office of primary responsibility (OPR) using the DAF Form 847, *Recommendation for Change of Publication*; route DAF Forms 847 from the field through the appropriate functional chain of command. This publication may be supplemented at any level, but all supplements must be routed to the OPR of this publication for coordination prior to certification

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Chapter 1

OVERVIEW

1.1. Background.

1.1.1. **The development** , acquisition, testing, proliferation, and use of WMD are part of competitors and potential adversaries' asymmetric efforts to counter US conventional military superiority, refine capabilities to rapidly reshape conflict, and hold the US homeland at risk. Weapons of mass destruction present an existential threat to the United States and its interests around the world. Airmen and Guardians must be resilient and ready to operate and succeed in highly contested environments.

1.1.2. The Secretary of Defense, in accordance with the President's direction, states the Department of Defense (DoD) will dissuade, deter, and defeat WMD actors of concern and their proliferation networks. The Department of Defense also will maintain the ability to respond to and mitigate the effects of WMD use.

1.1.3. The Department of Defense defines WMD as chemical, biological, radiological, or nuclear (CBRN) weapons capable of a high order of destruction or causing mass casualties, excluding the means of transporting or propelling the weapon where such means is a separable and divisible part from the weapon. Countering WMD describes the effort against actors of concern to curtail the conceptualization, development, possession, proliferation, use, and effects of weapons of mass destruction, related expertise, materials, technologies, and means of delivery.

1.1.4. In accordance with AFPD 10-26, the DAF will organize, train, and equip its forces to support DoD and US Government efforts to: deter or deny adversary acquisition and use of WMD; find and control, disrupt, or destroy adversary WMD capabilities; and, when necessary, minimize the effects of adversary WMD attacks on USAF and USSF operations.

1.1.4.1. See DAFI 10-2501 for guidance regarding DAF application of the National Planning Frameworks for global all-hazard mission areas to prevent, protect, mitigate, respond, and recover from WMD specific threats and hazards.

1.1.4.2. See AFMAN 10-2503 for guidance on conducting and sustaining operations in CBRN environments in theater during major combat operations.

1.2. To implement AFPD 10-26, the DAF will.

1.2.1. Prepare its forces and construct its mission critical systems in order to ensure the Force's ability to conduct effective military operations in and through a WMD engagement and environment. See DAFI 10-2601 and AFI 10-2607 for guidance on CBRN survivability of mission critical systems.

1.2.2. Develop and maintain Airmen and Guardians across all career fields, both deployed abroad and in garrison, that are resilient and ready to operate in the future high-end fight against WMD-armed adversaries.

1.2.2.1. Weapons of Mass Destruction-ready Airmen and Guardians are regular, reserve, and National Guard officers and enlisted who:

- 1.2.2.1.1. Achieve proficiency in conducting and supporting countering WMD operations. See [Attachment 4](#) for recommended countering WMD competencies and proficiency levels.
- 1.2.2.1.2. Maintain CBRN defense training in accordance with DAFI 10-2501;
- 1.2.2.1.3. Are trained to perform critical tasks in a contested, contaminated, or WMD-threatened environment;
- 1.2.2.2. Commanders require the education and experience to direct effective actions against WMD-armed adversaries, while managing and mitigating CBRN risks. See [Attachment 4](#) for recommended Countering WMD competencies and proficiency levels.
- 1.2.3. Establish the Countering WMD Enterprise, with participation from all USAF and USSF functions, to coordinate and synchronize this cross-functional mission and to:
 - 1.2.3.1. Develop strategy, policy, plans, concepts, and doctrine to counter WMD and to ensure that the USAF and USSF implement related DoD strategy, policy, plans, concepts, and doctrine.
 - 1.2.3.2. Establish equipment, training, manpower, and other resource requirements needed to conduct and sustain countering WMD operations and to conduct and sustain core Air and Space missions in and through a WMD-contaminated or contested environment.
 - 1.2.3.3. Identify gaps in countering WMD operational capabilities and address shortfalls with appropriate DAF offices or commands in accordance with AFI 10-601, *Operational Capability Requirements Documentation and Validation*.
 - 1.2.3.4. Ensure exercise practice and inspections assess the readiness of forces to execute the full range of countering WMD operations and activities.
 - 1.2.3.5. Ensure DAF science and technology efforts applicable to countering WMD operations are done in coordination with the Office of the Secretary of Defense, Defense Threat Reduction Agency, and Defense Advanced Research Projects Agency.
 - 1.2.3.6. Coordinate USAF and USSF countering WMD activities and operations with the other Services; the Office of the Secretary of Defense; the Joint Staff; coalition partners; host-nations; and federal, state and local organizations, as necessary and appropriate.
 - 1.2.3.7. Advise the Joint Staff and Combatant Commands on the use of air, space, and cyber forces in support of the Proliferation Security Initiative (PSI) and counterproliferation interdiction.
 - 1.2.3.8. Plan, program, budget, and execute for the sustainment of chemical and biological defense capabilities consistent with defense acquisition processes, the Joint Capabilities Integration and Development System, DoD Directive (DoDD) 5160.05E, *Roles and Responsibilities Associated with the Chemical and Biological Defense Program (CBDP)*, and the Joint Staff/J-8 Joint Requirements Office for CBRN Defense, *Modernization Plan for Chemical, Biological, Radiological, and Nuclear (CBRN) Defense*.

1.2.3.9. Plan, program, budget, and execute for the acquisition and sustainment of radiological and nuclear defense capabilities consistent with defense acquisition processes, the Joint Capabilities Integration and Development System, and the Joint Staff/J-8 Joint Requirements Office for CBRN Defense, *Modernization Plan for Chemical, Biological, Radiological, and Nuclear (CBRN) Defense*.

1.2.3.10. Define, develop, document, validate and implement CBRN survivability requirements, to include reporting requirements, for designated mission-critical systems and CBRN mission-critical systems/infrastructure. See AFI 10-2607 and DAFI 10-2601 for implementation.

1.3. Objectives. To implement AFPD 10-26, this instruction will:

1.3.1. Further refine roles and responsibilities at Headquarters Air Force (HAF), Major Commands (MAJCOM), Field Commands (FLDCOM), Field Operating Agencies, and Direct Reporting Units (DRU) within the Countering WMD Enterprise. See [Chapter 2](#).

1.3.2. Describe the governing bodies for the Countering WMD Enterprise to include the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups. See [Attachment 2](#).

1.3.3. Establish the process by which the DAF develops and advocates countering WMD planning priorities in the Service and DoD acquisition processes. See [Attachment 3](#) for Chemical and Biological Defense Program engagement.

1.3.4. Provide a list of recommended countering WMD competencies and proficiency levels for Airmen and Guardians to plan and execute countering WMD operations. See [Attachment 4](#).

Chapter 2

ROLES AND RESPONSIBILITIES

2.1. Secretary of the Air Force (SecAF).

2.1.1. Assistant Secretary of the Air Force for Acquisition, Technology, and Logistics (SAF/AQ) and Assistant Secretary of the Air Force for Space Acquisition and Integration (SAF/SQ) will:

2.1.1.1. Advise the Countering WMD Enterprise on countering WMD and CBRN defense acquisition policy guidance and issues, and integrate with Under Secretary of Defense for Acquisition and Sustainment (USD(A&S)) guidance as required.

2.1.1.2. Provide recommendations on the integration of countering WMD operational requirements into USAF and USSF research, development and acquisition programs.

2.1.1.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.1.4. **Director of Global Power Programs (SAF/AQP)** will, in coordination with the Air Force Materiel Command (AFMC) and lead commands, support the acquisition and sustainment of all materiel designed to establish a Countering WMD operational capability.

2.1.1.5. **Deputy Assistant Secretary for Science, Technology, and Engineering (SAF/AQR)** will:

2.1.1.5.1. Review, plan, budget, and manage countering WMD science and technology policy, guidance, and activities.

2.1.1.5.2. Present DAF countering WMD science and technology research and development interests to the Defense Threat Reduction Agency.

2.1.2. The Assistant Secretary of the Air Force, Financial Management and Comptroller (SAF/FM) will:

2.1.2.1. Advise the Countering WMD Enterprise in accordance with responsibilities contained in DAFMAN 65-605, V1, *Budget Guidance and Technical Procedures*, paragraphs 1.3.3 and 2.1, which includes support to the DAF corporate process, as further articulated in AFPD 90-6, *Air Force Strategy, Planning, Programming, Budgeting, and Execution (SPPBE) Process*.

2.1.2.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.2.3. **Deputy Assistant Secretary for Budget (SAF/FMB)** will, in accordance with responsibilities contained within DAFMAN 65-605, V1, [paragraph 2.2.1.1](#), provide, on behalf of the SecAF, appropriate fiscal oversight of the DAF programming function, consistent with the Deputy Under Secretary, Management (SAF/MG) implementing procedural guidance, AFPD 90-6.

2.1.3. General Counsel of the DAF (SAF/GC) will:

2.1.3.1. Advise the Countering WMD Enterprise in the development and review of strategy, plans, policies, procedures, training and operations relating to countering WMD, including counterproliferation interdiction, to ensure consistency with US law and the obligations of the United States under international law and relevant treaties and international agreements.

2.1.3.2. Serve as the lead for the PSI and point of contact for CJCSI 3520.02C, *U.S. Military Support to the Proliferation Security Initiative*.

2.1.3.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.4. Deputy Under Secretary for International Affairs (SAF/IA) will:

2.1.4.1. Advise the Countering WMD Enterprise on politico-military affairs, security cooperation programs, armaments cooperation and other cooperative programs, international cooperative research and development efforts, classified and controlled unclassified information disclosure policy, technology transfer, export control, and attaché and security cooperation officer affairs.

2.1.4.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.4.3. **Director of Policy and Programs (SAF/IAP)** will ensure considerations for countering WMD operations are incorporated, as appropriate, into military-to-military contacts, foreign military sales and assistance programs, and cooperative interagency support to export controls, treaty verification, and inspections.

2.1.5. The Inspector General (SAF/IG) will:

2.1.5.1. Advise the Countering WMD Enterprise on DAF inspection policy in accordance with DAFPD 90-3, *The Inspector General*.

2.1.5.2. Advise the Countering WMD Enterprise on matters pertaining to counterintelligence support to CBRN threat assessments and other countering WMD operations in accordance with AFD 71-1, *Criminal Investigations and Counterintelligence*.

2.1.5.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.6. Director of Legislative Liaison (SAF/LL) will:

2.1.6.1. Advise the Countering WMD Enterprise on congressional legislation, inquiries, and investigations related to conducting countering WMD operations and operating in CBRN environments.

2.1.6.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.7. Assistant Secretary of the Air Force for Manpower and Reserve Affairs (SAF/MR) will:

2.1.7.1. Advise the Countering WMD Enterprise on the policy of manpower, military and civilian personnel, and reserve component affairs related to conducting countering WMD operations and operating in and through CBRN environments, consistent with HAF Mission Directive (HAFMD) 1-24, *Special Management, Assistant Secretary of the Air Force (Manpower and Reserve Affairs)* and DAFPD 36-81, *Total Force Human Resource Management Governance*.

2.1.7.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.7.3. **Deputy Assistant Secretary of the Air Force for Force Management Integration (SAF/MRM)** will advise the Countering WMD Enterprise, in coordination with Deputy Chief of Staff for Manpower, Personnel and Services (AF/A1) and Chief Human Capital Officer (CHCO) (SF/S1), on the impacts of countering WMD operations plans and policies on military and civilian personnel.

2.1.8. **Director of Public Affairs, The Office of the Secretary of the Air Force (SAF/PA)** will:

2.1.8.1. Advise the Countering WMD Enterprise and provide recommendations on the public release of information regarding adversary WMD programs, current countering WMD operations, casualty and mortuary affairs guidance, and development of related capabilities to support future operations.

2.1.8.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.1.8.3. **Chief, Media Operations Division (SAF/PAO)** will:

2.1.8.3.1. Communicate timely and accurate information on WMD attacks and countering WMD operations.

2.1.8.3.2. Provide guidance and oversight for public affairs issues to support countering WMD operations.

2.1.8.3.3. Develop public affairs templates on CBRN threats for installations.

2.1.8.3.4. Maintain, update, and execute the DAF countering WMD Strategic Communications Plan in conjunction with AF/A10S.

2.2. Chief of Staff of the Air Force (CSAF).

2.2.1. **Deputy Chief of Staff for Manpower, Personnel and Services (AF/A1)** will:

2.2.1.1. Advise the Countering WMD Enterprise and provide oversight of, and policy recommendations on, the integration of countering WMD operational requirements into developing the USAF Total Force.

2.2.1.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.2. Deputy Chief of Staff for Intelligence, Surveillance, Reconnaissance, and Cyber Effects Operations (AF/A2/6) will:

2.2.2.1. Provide policy, guidance, and oversight for operations, training, and sourcing of USAF intelligence, surveillance, reconnaissance, and cyber effects capabilities and personnel to enable countering WMD operations.

2.2.2.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.2.3. Director, Analysis, Partnerships and Engagement (AF/A2/6A) will:

2.2.2.3.1. Oversee plans and procedures for the use of intelligence data to develop targeting materials to support joint force air component commanders and staffs conducting countering WMD operations and operations in CBRN environments.

2.2.2.3.2. Provide subject matter expertise to support MAJCOMs and FLDCOMs during the joint intelligence preparation of the operating environment.

2.2.2.3.3. Provide support, as appropriate, to facilitate WMD intelligence sharing among other US Government departments and agencies and US, allied, partner, and coalition forces.

2.2.2.4. Director, Cyberspace Operations and Warfighter Communications (AF/A2/6C-A3C) , will:

2.2.2.4.1. Ensure considerations for countering WMD operations and operating in CBRN environments are incorporated into cyberspace operations.

2.2.2.4.2. Analyze cyberspace requirements for countering WMD operations and recommend program priorities.

2.2.2.4.3. In coordination with Director, Enterprise Information Technology (SAF/CNS), will:

2.2.2.4.3.1. Ensure the implementation of enterprise command and control, warfighter networking, and combat support data management capabilities are integrated into countering WMD operations and capabilities, to include CBRN defense support to command and control and Joint All Domain Command and Control in support of integrated early warning.

2.2.2.4.3.2. Provide recommendations on integrating DoD information network operations into countering WMD operational requirements.

2.2.2.5. Director, National Aviation Intelligence Integration Office (AF/A2/6N) will:

2.2.2.5.1. Review role and responsibilities in accordance with applicable Execute Orders and advise AF/A10S of proposed changes to advocate to Office of the Secretary of Defense, Joint Staff, and US Special Operations Command.

2.2.2.5.2. Coordinate with Joint Staff and other US departments and agencies as required on intelligence matters supporting countering WMD and counterproliferation interdiction policy.

2.2.2.5.3. Provide representation to PSI workshops, planning meetings, and planning conferences for air counterproliferation interdiction and PSI activities, as required.

2.2.2.5.4. Coordinate with operational elements of other U.S. Government departments and agencies, as required.

2.2.2.6. Director, Intelligence, Surveillance, and Reconnaissance Operations (AF/A2/6O) will:

2.2.2.6.1. Participate in planning activities designed to improve the capability of intelligence, surveillance, reconnaissance (ISR) assets to support national countering WMD operations.

2.2.2.6.2. Provide policy, guidance and oversight for the organization, training, and equipping of ISR and cyber forces to support countering WMD operations, including:

2.2.2.6.2.1. Find and characterize adversary WMD development, testing, weapon, and delivery systems (to include associated production facilities, storage locations, delivery vehicles, and firing locations) to provide and support reconnaissance, surveillance, Intelligence Preparation of the Battlefield, Indications and Warning, and Battle Damage Assessment, as well as, scientific and technological intelligence (S&TI) for acquisitions.

2.2.2.6.2.2. Provide ISR to inform senior leaders of the intent, research and development, capabilities, production, testing, weapons delivery systems and use of nations or organizations attempting to acquire or use WMD.

2.2.2.6.2.3. Provide necessary ISR support to joint force air component commanders and staffs conducting countering WMD operations.

2.2.2.6.2.4. Provide timely and accurate warning of a CBRN attack against US forces or interests.

2.2.2.6.2.5. Assess the impact of CBRN use on ISR capabilities.

2.2.2.6.2.6. Provide strategic S&TI warning of CBRN technology breakthroughs that increase future operational risk.

2.2.2.6.3. In support of the National Technical Nuclear Forensics (NTNF) program:

2.2.2.6.3.1. Develop and maintain an objective end-to-end post detonation concept of operations for NTNF.

2.2.2.6.3.2. Manage the programming and planning of DAF airborne and laboratory capabilities to support nuclear treaty monitoring and NTNF.

2.2.2.6.3.3. Coordinate, synchronize, manage, and enhance post-detonation laboratory analysis, evaluation, and reporting.

2.2.2.6.3.4. Establish a panel of technical experts to produce timely and accurate technical conclusions supporting attribution of an improvised nuclear device detonation.

2.2.3. Deputy Chief of Staff, Operations (AF/A3) will:

2.2.3.1. Provide policy, guidance, and oversight for operations, training, readiness, and sourcing of USAF air and cyberspace capabilities and personnel to conduct countering WMD operations.

2.2.3.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.3.3. **Director of Current Operations (AF/A3O)** will, when current and impending operations support countering WMD and/or require operating in CBRN environments, coordinate with AF/A10S, AF/A4C, and AF/SG for the appropriate subject matter expertise to support oversight and monitoring of those operations.

2.2.3.4. **Director of Training and Readiness (AF/A3T)** will:

2.2.3.4.1. As a career field manager, provide policy, guidance, and oversight on the integration of countering WMD operational concepts and requirements into functional area programs, publications, and training plans, to include, in coordination with AF/A4C, reliable pre-attack planning and post-attack actions to minimize the adverse effects of CBRN attacks on aircrew mission operations. See [Attachment 4](#) for recommended countering WMD competencies.

2.2.3.4.2. Provide technical implementation of countering WMD mission essential tasks in Defense Readiness Reporting System (DRRS) and coordinate requirements with MAJCOMs, DRUs, Units, and Combatant Commands.

2.2.3.4.3. Ensure Operational Readiness Reviews incorporate considerations for countering WMD operations, to include potential WMD defeat capabilities, and operating in and through CBRN environments, and impact of WMD on plans, execution of air operations center processes, and mission essential combat air forces/mobility air forces/command, control, communications, and computers.

2.2.3.4.4. As the lead for the Aircrew Flight Equipment Program and Aerospace Physiology Programs:

2.2.3.4.4.1. Develop, evaluate, and implement Aircrew CBRN defense policy and guidance.

2.2.3.4.4.2. Identify Aircrew CBRN defense requirements for consideration in the USAF modernization priorities for the Chemical and Biological Defense Program.

2.2.3.4.4.3. Provide Aircrew CBRN defense expertise to AF/A4C to support the program objective memorandum (POM) build process for the Chemical and Biological Defense Program.

2.2.3.4.4.4. Ensure Aircrew CBRN defense equipment and tactics, techniques, and procedures maximize aircrew performance and address hazardous physiological situations.

2.2.3.4.5. Advise the Countering WMD Enterprise on the role of integrated air and missile defense to enable countering WMD operations.

2.2.4. **Deputy Chief of Staff for Logistics, Engineering and Force Protection (AF/A4)** will:

2.2.4.1. Provide policy, guidance, and oversight for operations, training, and sourcing of logistics, civil engineering, maintenance, force protection, emergency management, and explosive ordnance disposal capabilities and personnel to conduct countering WMD operations, CBRN defense, and sustained agile combat employment in and through CBRN environments.

2.2.4.2. Serve as the DAF Modernization lead for the DoD Chemical and Biological Defense Program.

2.2.4.3. Represent DAF Logistics at the DAF Countering WMD Council and Undersecretary of Defense for Acquisition and Sustainment CBRN threat forums.

2.2.4.4. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.4.5. **Director, Civil Engineers (AF/A4C)** will:

2.2.4.5.1. Provide policy, guidance, and oversight for the organization, training, and equipping USAF civil engineers to provide prompt, reliable pre-attack planning, post-attack damage assessment, reconnaissance, and warning of WMD effects and other CBRN hazards.

2.2.4.5.2. As the DAF Modernization lead for the DoD Chemical and Biological Defense Program:

2.2.4.5.2.1. Lead USAF and USSF participation in the development and sustainment of joint CBRN defense capabilities and serve as chair of the DAF Countering WMD Council Modernization Working Group.

2.2.4.5.2.2. Develop a plan, in coordination with the Operations Lead and the Medical Lead, for modernizing CBRN defense capabilities through the mid- and long-term.

2.2.4.5.2.3. Along with AF/A5R, serve as the DAF representative to the Chemical and Biological Defense Program Overarching Integrated Program Team.

2.2.4.5.2.4. Serve as the lead DAF representative to the Chemical and Biological Defense Program POM build process chaired by the Director of the Joint Requirements Office for CBRN Defense.

2.2.4.5.2.5. Coordinate and submit DAF requirements for CBRN Defense capability documents to the Joint Requirements Office.

2.2.4.5.3. Incorporate CBRN defense preparedness into DAF expeditionary operations, assist MAJCOMs, FLDCOMs, DRUs, and units in fulfilling CBRN defense reporting and training requirements, and support MAJCOMs, FLDCOMs, and DRUs as needed in deliberate and adaptive planning processes that include CBRN defense considerations.

2.2.4.5.4. Oversee DAF CBRN Defense Force Development consistent with service priorities and combatant commander requirements:

2.2.4.5.4.1. Communicate priorities for CBRN Force Development to the Air Force Expeditionary Readiness Council and the Air Force Installation & Mission Support Enterprise.

2.2.4.5.4.2. Oversee formal CBRN defense training for Airmen, Guardians and other base populace personnel, including senior leaders, to enable performance of non-medical CBRN defense tasks and missions on installations.

2.2.4.5.4.3. In coordination with Commander, Air Education and Training Command (AETC), oversee development of training standards and curricula.

2.2.4.5.5. Where appropriate, incorporate countering WMD considerations into all applicable Emergency Management and CBRN defense-related plans, programs, requirements, and budgets.

2.2.4.5.6. Develop, update, and maintain USAF Emergency Management and CBRN defense doctrine, policy, directives and instructions, and, in coordination with Chief, Countering Weapons of Mass Destruction Division (AF/A10S), incorporate operational considerations into those documents.

2.2.4.5.7. Conduct studies and analyses to validate Emergency Management CBRN Force Development activities and investments are effective against assessed fielded adversary capabilities.

2.2.4.5.8. Advocate for non-medical CBRN defense considerations in plans, programs, requirements, budgets, and acquisition programs.

2.2.4.5.9. Develop contamination avoidance, protection, and contamination control concepts with supporting policy or other guidance.

2.2.4.6. Director, Logistics (AF/A4L) will:

2.2.4.6.1. Advise the Countering WMD Enterprise on logistics and maintenance requirements to support countering WMD operations and operate in and through CBRN environments.

2.2.4.6.2. As career field manager, provide policy, guidance, and oversight on the integration of countering WMD operational concepts and requirements into functional area programs, publications, and training plans, to include, in coordination with AF/A4C, reliable pre-attack planning and post-attack actions to minimize the adverse effects of CBRN attacks on mission operations. See [Attachment 4](#) for recommended countering WMD competencies.

2.2.4.7. Director, Security Forces (AF/A4S) will:

2.2.4.7.1. Coordinate with appropriate directorates and agencies to develop force protection requirements to include considerations for operating in and through CBRN environments.

2.2.4.7.2. Develop policy and doctrine for Security Forces to enhance installation security, and provide for physical defense against ground and air attacks involving CBRN weapons.

- 2.2.4.7.3. As the lead for Counter-(small) Unmanned Aircraft Systems (UAS) defense, coordinate with AF/A10S and AF/A4C on the potential use of small UAS armed with CBRN weapons and implications for installation operational defense.
- 2.2.5. Deputy Chief of Staff for Strategy, Integration and Requirements (AF/A5) will:**
- 2.2.5.1. Advise the Countering WMD Enterprise and provide recommendations on the integration of countering WMD operational requirements into existing and new USAF capabilities.
- 2.2.5.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.
- 2.2.5.3. Director, Operational Capability Requirements (AF/A5D) will:**
- 2.2.5.3.1. Advise the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups on countering WMD and CBRN defense requirements prior to review by the Air Force Requirements Oversight Council.
- 2.2.5.3.2. Represent the USAF on the development and validation of joint countering WMD capabilities through the Joint Capabilities Integration and Development System and Joint Requirements Oversight Council.
- 2.2.5.4. Director, Air Force Futures (AF/A5I) will:**
- 2.2.5.4.1. Advise the DAF Countering WMD Council and its associated working groups on integration of countering WMD and CBRN defense considerations into Total Force, multi-domain operating concepts.
- 2.2.5.4.2. Guide resourcing priorities to improve USAF ability to support joint countering WMD operations and operate in and through CBRN environments.
- 2.2.5.5. Director, Strategy, Concepts, and Assessments (AF/A5S) will:**
- 2.2.5.5.1. Ensure considerations for conducting countering WMD operations and operating in and through CBRN environments are incorporated into strategic plans and future force concepts.
- 2.2.5.5.2. Ensure considerations for conducting countering WMD operations and operating in and through CBRN environments are included in war gaming, exercises, and assessments.
- 2.2.6. Deputy Chief of Staff for Plans and Programs (AF/A8) will:**
- 2.2.6.1. Advise the Countering WMD Enterprise and provide recommendations to resource countering WMD operational requirements in the programming, planning, budgeting, and execution (PPBE) process.
- 2.2.6.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.
- 2.2.6.3. **Director, Programs (AF/A8P)** will adjudicate considerations for conducting countering WMD operations and operating in and through CBRN environments are included in MAJCOM POM build guidance.

2.2.6.4. **Director, Strategic Plans (AF/A8X)** will adjudicate considerations for conducting countering WMD operations and operating in and through CBRN environments are included in operations policy and guidance for planning, execution, global integration, and assessment in support of combatant command operational plans, steady-state campaign plans, and USAF campaign support plans.

2.2.7. **Director for Studies, Analyses and Assessments (AF/A9)** will:

2.2.7.1. Provide analytic insights to support the Countering WMD Enterprise through application of analytical techniques such as campaign modeling analysis and risk assessment.

2.2.7.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.7.3. **Director of Future Warfare Analysis (AF/A9I)** , will develop and maintain a capability, within AF/A9I or with partner organizations, to model, simulate, and assess the operational impact of CBRN attacks on air forces and bases.

2.2.8. **Deputy Chief of Staff for Strategic Deterrence and Nuclear Integration (AF/A10)** will:

2.2.8.1. Lead the DAF's Countering WMD Enterprise to coordinate and synchronize efforts listed in [paragraph 1.2.3](#).

2.2.8.2. Chair the DAF Countering WMD Council and Countering WMD Integration Group.

2.2.8.3. Serve as the DAF Operations lead for the DoD Chemical and Biological Defense Program.

2.2.8.4. Serve as the lead for Nuclear Operations, Nuclear Defense policy and issues, and conventional-nuclear integration.

2.2.8.5. **Chief, Countering Weapons of Mass Destruction (AF/A10S)** will:

2.2.8.5.1. Serve as the Executive Secretary of the DAF Countering WMD Council (see [Attachment 2](#)) to:

2.2.8.5.1.1. Identify and vet through DAF senior leader forums potential issues, and impacts on the Countering WMD Enterprise stemming from evolving national policies, strategies, studies, and reviews.

2.2.8.5.1.2. Plan and execute the DAF Countering WMD Council and the Countering WMD Integration Group.

2.2.8.5.1.3. Chair the Countering WMD Policy Working Group and other ad hoc working groups as required.

2.2.8.5.2. Serve as the DAF lead to develop, integrate, and synchronize cross-functional countering WMD concepts, strategy, policy, plans, programs, and doctrine, including:

2.2.8.5.2.1. Participate in Joint and DAF requirements; acquisition; and programming, planning, budgeting, and execution processes to incorporate countering WMD requirements.

2.2.8.5.2.2. In coordination with AF/A2/6 and USSF Director of Intelligence, Surveillance, and Reconnaissance (SF/S2), ensure that assessments of WMD threats to USAF and USSF operations and that emerging threat data are delivered to the operational community at the lowest feasible classification level, assessed for impact to operations, and studied for mitigation development, if required.

2.2.8.5.2.3. In coordination with AF/A3T, AF/A4C, AF/A9I, and USSF Chief, Deterrence Operations Division (SF/S10N), conduct studies and analyses, as well as modeling and simulation, to better understand chemical, biological, and nuclear threats to USAF and USSF capabilities, missions, and readiness.

2.2.8.5.2.4. In coordination with HAF, MAJCOMs, FLDCOMs, and DRUs, incorporate cross-functional countering WMD operational concepts and standards into readiness assessment inspection and reporting criteria.

2.2.8.5.2.5. In coordination with the LeMay Center for Doctrine Development and Education; Space Training and Readiness Command, Air, Land, Sea Applications Center; and other Services' doctrine representatives, draft and review countering WMD operational doctrine and tactics, techniques, and procedures (TTP) publications through the application of operationally proven principles and guidance.

2.2.8.5.2.6. Review and analyze all documents pertaining to US countering WMD strategies, policies, and plans.

2.2.8.5.2.7. Integrate scientific and operator-focused countering WMD technical expertise in DAF operational concepts, decision aids, and operational risk management tools.

2.2.8.5.2.8. Lead data collection and analysis pertaining to countering WMD assessments and readiness reporting to inform senior leaders of risks to USAF and USSF operations against WMD-armed adversaries. Develop metrics, conduct trend analysis, and assess performance measures, in coordination with AF/A3T, AF/A4C, SF/S10N, and Air Force Medical Readiness Agency (AFMRA), to evaluate the readiness and capabilities of the DAF Countering WMD Enterprise mission sets and recommend courses of action for improvement.

2.2.8.5.3. As the DAF Operations lead for the DoD Chemical and Biological Defense Program and Radiological and Nuclear Defense development:

2.2.8.5.3.1. Identify, prioritize, and coordinate gaps and vulnerabilities related to operating in and through chemical, biological, and nuclear contested, contaminated, and/or threat environments. This includes consolidating and championing related major and field command Integrated Priority List (IPL) inputs. See [Attachment 3](#).

2.2.8.5.3.2. Identify (in collaboration with AF/A3T, AF/A4C, AFMRA, SF/COO) and coordinate DAF planning priorities for the DoD Chemical and Biological Defense Program. See [Attachment 3](#).

2.2.8.5.3.3. Coordinate and submit DAF inputs to the Joint Requirements Office for CBRN Defense's Force Planning Constructs. See [Attachment 3](#).

2.2.8.5.3.4. Support Director of Civil Engineers (AF/A4C) on the development and compilation of the Program Objective Memorandum for the Chemical and Biological Defense Program.

2.2.8.5.3.5. In support of AF/A5R and SF/S5/8, and in coordination with AF/A3T, AF/A4C, AF/SG, MAJCOMs, and FLDCOMs, ensure joint CBRN defense capability development documents address USAF and USSF operational requirements.

2.2.8.5.3.6. Support AF/A10 at Chemical and Biological Defense Program threat briefings as the DAF Operations lead and coordinate briefings with AF/A2/6 and SF/S2.

2.2.8.5.4. In support of AF/A5D, ensure operational requirements and capability development documents address consideration for conducting countering WMD operations and operating in and through CBRN environments.

2.2.8.5.5. When appropriate, conduct periodic assessments of the DAF Countering WMD Enterprise's health (e.g., metrics development and performance measurement).

2.2.8.5.6. Represent the USAF and USSF at countering WMD forums established by the Secretary of Defense and Chairman of the Joint Chiefs of Staff, or their authorized subordinates.

2.2.8.5.7. Provide expertise on countering WMD operations and capabilities to HAF, MAJCOMs, FLDCOMs, Field Operating Agencies, and DRUs. Specifically:

2.2.8.5.7.1. Support AF/A2/6 and SF/S2 on issues relating to countering WMD intelligence, surveillance and reconnaissance operations to include coordinating emerging threat data, as well as treaty monitoring, counterproliferation interdiction issues and the NTNF program.

2.2.8.5.7.2. Support AF/A3T on global integration planning and readiness issues related to countering WMD operations.

2.2.8.5.7.3. Support AF/A5D and SF/S5/8 on the validation of countering WMD capabilities through the Joint Requirements Oversight Council and its associated Functional Capability Boards.

2.2.8.5.7.4. Support the General Counsel of the Department of the Air Force (SAF/GC) on issues related to PSI.

2.2.8.5.7.5. Support MAJCOMs, FLDCOMs, and DRUs with incorporating countering WMD considerations into their mobilization and operational planning.

2.2.8.6. **Chief, Nuclear Force Development (AF/A10D)** will, in partnership with AF/A10S, publish nuclear competencies that inform nuclear professional military education and professional civilian education curriculum. See [Attachment 4](#) for recommended countering WMD competencies.

2.2.8.7. **Chief, Nuclear Policy (AF/A10P)** will provide expertise on arms control and nonproliferation treaties and agreements, and conventional-nuclear integration when applicable to the planning, programming, and execution of countering WMD operations.

2.2.8.8. **Chief, Nuclear Capabilities (AF/A10C)** will provide expertise on nuclear operations when applicable to the planning, programming, and execution of countering WMD operations, and with the application of CBRN Survivability (to include nuclear effects hardening) in mission-critical nuclear mission systems.

2.2.9. **The Judge Advocate General (AF/JA)** will:

2.2.9.1. Advise the Countering WMD Enterprise in the development and review of strategy, plans, policies, procedures, training and operations relating to countering WMD, including counterproliferation interdiction and PSI activities, to ensure consistency with US law and the obligations of the United States under international law, including the Law of War and relevant treaties and international agreements.

2.2.9.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.9.3. **Director, Operations and International Law Domain (AF/JAO)** will coordinate with MAJCOM, FLDCOM, and DRUs Staff Judge Advocates, where appropriate, on all legal issues related to countering WMD plans and operations, to include the provision of appropriate law of war training in the context of target development.

2.2.10. **Chief, Air Force Reserve (AF/RE)** will:

2.2.10.1. Advise the Countering WMD Enterprise on the capabilities and readiness of the Air Force Reserve to support countering WMD operations and operate in and through CBRN environments.

2.2.10.2. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.10.3. **Director, Plans, Programs, and Requirements (AF/REX)** will advise the Countering WMD Enterprise, in coordination with the Deputy Assistant Secretary of the Air Force for Reserve Affairs (SAF/MRR), on the impacts of countering WMD plans, policies, and requirements on the Air Force Reserve.

2.2.11. **The Air Force Surgeon General (AF/SG)** will:

2.2.11.1. Provide policy, guidance, and oversight for operations, training, readiness, and sourcing of USAF medical capabilities and personnel to support countering WMD operations, CBRN defense operations, CBRN casualty modeling and assessments, and other operations in and through CBRN environments.

2.2.11.2. Serve as the DAF Medical lead for the DoD Chemical and Biological Defense Program. See [paragraph 2.6.3](#) for Commander, Air Force Medical Readiness Agency (AFMRA) responsibilities.

2.2.11.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.2.12. **Director of Test and Evaluation (AF/TE)** will: provide guidance and oversight for the planning and execution of test and evaluation of countering WMD and CBRN defense systems or capabilities where appropriate in accordance with DoD Instruction (DODI) 5000.89_DAFI 99-103, *Capabilities-Based Test and Evaluation*.

2.3. Chief of Space Operations (CSO).

2.3.1. **Deputy Chief of Space Operations for Human Capital (CHCO) (SF/S1)** will:

2.3.1.1. Advise the Countering WMD Enterprise and provide oversight of, and policy recommendations on, the integration of countering WMD operational requirements into developing WMD-ready Guardians.

2.3.1.2. As career field manager, provide policy, guidance, and oversight on the integration of countering WMD operational concepts and requirements into functional area programs, publications, and training plans, to include, in coordination with AF/A4C, reliable pre-attack planning and post-attack actions to minimize the adverse effects of CBRN attacks on mission operations. See [Attachment 4](#) for recommended countering WMD competencies.

2.3.1.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.3.2. **Deputy Chief of Space Operations for Operations (SF/COO) (SF/S2/3/4/6/7/10)** will provide policy, guidance, and oversight for operations, training, readiness, and sourcing of USSF capabilities and personnel to conduct countering WMD operations.

2.3.2.1. Ensure considerations for countering WMD operations and operating in and through CBRN environments are incorporated into space operations.

2.3.2.2. Provide technical implementation of countering WMD mission essential tasks in DRRS and coordinate requirements with FLDCOMs, Units, and Combatant Commands.

2.3.2.3. Through the SF/S2, participate in planning activities designed to improve the capability of space-based intelligence, surveillance, reconnaissance (ISR) and communication assets to support national countering WMD operations.

2.3.2.4. Analyze space requirements for countering WMD operations and recommend program priorities.

2.3.2.5. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.3.3. **Deputy Chief of Space Operations for Strategy and Resources (CSRO) (SF/S5/8)** will advise the Countering WMD Enterprise and provide recommendations on the integration of countering WMD operational requirements into USSF capabilities.

2.3.3.1. Advise the DAF Countering WMD Council and its associated working groups on impacts of countering WMD and CBRN defense requirements on USSF capabilities.

2.3.3.2. Guide resourcing priorities to improve USSF ability to support joint countering WMD operations and operate in and through CBRN environments.

2.3.3.3. Ensure considerations for conducting countering WMD operations and operating in and through CBRN environments are included in FLDCOM POM build guidance.

2.3.3.4. Ensure considerations for conducting countering WMD operations and operating in and through CBRN environments are incorporated into USSF strategic plans and future force concepts.

2.3.3.5. Ensure considerations for conducting countering WMD operations and operating in and through CBRN environments are included in USSF war gaming, exercises, and assessments.

2.3.3.6. Ensure considerations for conducting countering WMD operations and operating in and through CBRN environments are included in USSF operations policy and guidance for planning, execution, global integration, and assessment in support of combatant command operational plans, steady-state campaign plans, and USSF campaign support plans.

2.3.3.7. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.3.4. Deputy Chief of Space Operations for Technology and Innovation (SF/CTIO) will:

2.3.4.1. Advise the Countering WMD Enterprise and provide recommendations on the application of future USSF capabilities to support countering WMD operations.

2.3.4.2. Ensure considerations for operating in and through CBRN environments are addressed in future USSF capabilities.

2.3.4.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.4. Director, Air National Guard (NGB/CF) will.

2.4.1. Advise the Countering WMD Enterprise on the capabilities and readiness of the Air National Guard to support countering WMD operations.

2.4.2. Advise the Countering WMD Enterprise on the impacts of countering WMD plans, policies, and operational requirements on the Air National Guard.

2.4.3. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.5. Commanders, United States Air Force Major Commands and Commanders, United States Space Force Field Commands will.

2.5.1. Identify an office of primary responsibility at the headquarters for supporting countering WMD operations and developing and analyzing associated needs and operational requirements. In order to understand and assess WMD threats, assigned individuals must have an adjudicated Top Secret level clearance and be eligible for Special Compartmented Information. Provide AF/A10S points of contact and update as required.

2.5.2. Establish and charter a cross-functional council at headquarters, or leverage an existing one, to address major and field command issues related to conducting countering WMD operations.

2.5.3. Review all taskings under Department of Defense, Joint, and DAF Directives and assigned missions for the various regional plans. Specifically:

2.5.3.1. Identify and support countering WMD related tasks, responsibilities, and operational military objectives assigned by these regional plans

2.5.3.2. Identify vulnerabilities and shortfalls through appropriate reporting channels to include incorporation of countering WMD-related items in the Combatant Command's IPL.

2.5.3.3. Continually evaluate these plans and Joint Staff guidance for changes in assigned missions and objectives that may modify required tasks.

2.5.4. In support of countering WMD operations against WMD-armed competitors and adversaries:

2.5.4.1. Organize, train, and equip assigned forces to deter and deny an adversary's acquisition and use of WMD and, when necessary, find and control, disrupt, or destroy their WMD capabilities.

2.5.4.2. Coordinate with and support, as required, Air Force Materiel Command Air Force Installation Management Center's efforts to organize, train, and equip air and space forces for CBRN defense. See DAFI 10-2501 and AFMAN 10-2503.

2.5.5. Support their wing, delta, installation, and unit commanders' efforts to develop WMD-ready Airmen and Guardians to succeed in the future high-end fight against WMD-armed competitors and adversaries.

2.5.6. Designate representatives to the DAF Countering WMD Council, Countering WMD Integration Group, and associated working groups.

2.5.7. In support of PSI:

2.5.7.1. Provide planning support and forces, as required, to support combatant command participation in PSI activities. Activities may include Stand-Alone PSI events, such as field training demonstrations, tabletops, and partner nation engagements, and other PSI-related events, as required.

2.5.7.2. Program operations and maintenance funds, and steady state Military Personnel Appropriation man-days to support PSI activities, as required.

2.5.7.3. Coordinate with combatant commands to plan and ensure strategic lift, intelligence, surveillance, and reconnaissance, and other required USAF and USSF resources are available to support exercises and operations, as real world conditions allow.

2.5.7.4. Assist subordinate units in supporting PSI activities, as required.

2.5.8. **Commander, Air Combat Command (ACC)** will:

2.5.8.1. Develop doctrine, concepts, organization, materiel requirements, and objectives for Chemical and Biological defense aircrew flight equipment and, in coordination with AFMC, oversee their development, testing, fielding and sustainment, to include:

2.5.8.1.1. Representing the user community in the joint materiel acquisition process.

- 2.5.8.1.2. Reviewing and providing comments to capabilities documents to ensure the proposed solution adequately meets mission needs by participating in requirements generation through the Joint Requirements Office for CBRN Defense (JRO-CBRND) Integrated Concept Teams for CBRN Defense.
- 2.5.8.2. In coordination with Air Force Global Strike Command (AFGSC), monitor the development, testing, fielding and sustainment of radiological and nuclear defense aircrew flight equipment for combat air forces.
- 2.5.8.3. Develop doctrine, concepts, organization, materiel requirements, and objectives for WMD defeat capabilities and oversee their development, testing, fielding and sustainment.
- 2.5.8.4. Through **Command Surgeon, Air Combat Command (ACC/SG)**, as the Manpower and Equipment Force Packaging (MEFPAK) Responsible Agency (MRA) for medical ground-based unit type codes (UTC) and the lead MAJCOM for Medical CBRN Defense Program, will:
- 2.5.8.4.1. Develop doctrine, concepts, organization, materiel requirements, and objectives for ground medical CBRN defense equipment, research, development, and acquisition initiatives for Air Force Medical Service-specific materiel (i.e. non-joint material) acquisition process and, oversee their development, testing, fielding and sustainment. **(T-1)**
 - 2.5.8.4.2. Oversee the training, testing, and capturing of ground medical recommendations on current countering WMD operations and activities. **(T-1)**
 - 2.5.8.4.3. As the ground medical capabilities subject matter expert, attend Integrated Product Teams (IPT), exercises, and working group meetings. **(T-1)**
 - 2.5.8.4.4. Provide input to CBRN defense related Initial Capabilities Documents, Capability Development Documents, Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities, and Policy (DOTMLPF-P) Change Recommendation (DCR), and other documents where ground medical capabilities are included. Forward input to AFMRA for consideration, consolidation, and submission. **(T-1)**
 - 2.5.8.4.5. Ensure medical CBRN defense capability will be operationally effective, suitable, and ready for mission employment. **(T-1)**
 - 2.5.8.4.6. Coordinate sustainment of medical CBRN defense equipment medical countermeasures and diagnostics (e.g., warranty, funding consumables, Contractor Logistics Support, repair and replacement). **(T-1)**
- 2.5.8.5. **Commander, 16th Air Force** will provide the HAF, MAJCOMs, FLDCOMs, and DRUs intelligence regarding adversary WMD threats to the United States and its allies and partners in order to inform DOTMLPF-P planning, research, strategy, and operational concept development. **(T-1)**
- 2.5.8.5.1. Commander, Air Force Technical Applications Center (AFTAC) will:
 - 2.5.8.5.1.1. Monitor nuclear treaty compliance. **(T-0)**
 - 2.5.8.5.1.2. Develop proliferation monitoring technologies. **(T-1)**

2.5.8.5.1.3. Operate and maintain a global network of nuclear event detection sensors to support treaty monitoring and other missions. (T-0)

2.5.8.5.1.4. Provide USAF capabilities that enable DoD support to the NTNF program. (T-0)

2.5.8.5.2. Commander, 557th Weather Wing (557 WW) will ensure operational weather squadrons provide meteorological information necessary for the production of chemical downwind messages, and effective downwind and basic wind data messages for radiological fallout. (T-1)

2.5.9. **Commander, Air Education and Training Command (AETC)** will integrate countering WMD operational requirements into the education and training of the USAF Total Force, to include appropriate professional military education courses, using [Attachment 4](#) as appropriate. (T-1)

2.5.9.1. **Director of the Air Force Center for Strategic Deterrence Studies** will:

2.5.9.1.1. Support research and education on strategic deterrence, to include nuclear deterrence and countering WMD operations, at Air University schools, and provide input to Air University core curriculum and faculty development. (T-1)

2.5.9.1.2. Organize strategic deterrence conferences, establish an information repository and clearing house, establish a speaker series, publishing books and papers on important strategic deterrence issues, provide strategic deterrence courses and briefings to senior officers, and provide strategic deterrence curriculum and faculty development support to the Air University. (T-1)

2.5.9.1.3. Support the development of DAF policy, doctrine, concepts of operation, and education, training, and exercises relating to nuclear deterrence and countering WMD operations. (T-1)

2.5.9.2. **Director of the LeMay Center for Doctrine Development and Education** , as the USAF Principal Agent for basic and operational USAF Doctrine, will develop USAF countering WMD doctrine and ensure countering WMD considerations are included, as appropriate, in basic and operational USAF doctrine. (T-1)

2.5.10. **Commander, Air Force Global Strike Command (AFGSC)** will:

2.5.10.1. Develop doctrine, concepts, organization, materiel requirements, and objectives for Radiological and Nuclear defense aircrew flight equipment and, in coordination with AFMC, oversee their development, testing, fielding and sustainment. Represent the user community in the joint materiel acquisition process.

2.5.10.2. Provide operational and technical expertise on strategic deterrence considerations for countering WMD operations.

2.5.11. **Commander, Air Force Special Operations Command (AFSOC)** will:

2.5.11.1. Assist AF/A10 to coordinate USAF operational planning and doctrine issues with US Special Operations Command, the DoD Coordinating Authority for countering WMD.

2.5.11.2. In coordination with ACC, will develop doctrine, concepts, organization, materiel requirements, and objectives for special operations forces' chemical and biological defense aircrew flight equipment and oversee their development, testing, fielding and sustainment. Represent the user community in the joint materiel acquisition process.

2.5.11.3. In coordination with AFGSC, will develop doctrine, concepts, organization, materiel requirements, and objectives for special operations forces' radiological and nuclear defense aircrew flight equipment and oversee their development, testing, fielding and sustainment. Represent the user community in the joint materiel acquisition process.

2.5.11.4. **Command Surgeon, Air Force Special Operations Command (AFSOC/SG)** , as MRA for special operations medical UTCs, will:

2.5.11.4.1. Develop doctrine, concepts, organization, materiel requirements, and objectives for special operations medical CBRN defense equipment for USAF Medical Service-specific materiel (i.e. non-joint material) acquisition process and, in coordination with ACC, oversee their development, testing, fielding and sustainment. **(T-1)**

2.5.11.4.2. Oversee the training, testing, and capturing of special operations medical recommendations on current countering WMD operations and activities. **(T-1)**

2.5.11.4.3. As the special operations medical capabilities subject matter expert, attend IPTs, exercises, and working group meetings. **(T-1)**

2.5.11.4.4. Provide input to CBRN defense related Initial Capabilities Documents, Capability Development Documents, DOTMLPF-P Change Recommendation, and other documents where special operations medical capabilities are included. Forward input to AFMRA for consideration, consolidation, and submission. **(T-1)**

2.5.11.4.5. Ensure medical CBRN defense capability will be operationally effective, suitable, and ready for mission employment. **(T-1)**

2.5.11.4.6. Coordinate sustainment of medical CBRN defense equipment medical countermeasures and diagnostics (e.g., warranty, funding consumables, Contractor Logistics Support, repair and replacement). **(T-1)**

2.5.12. **Commander, Air Mobility Command (AMC)** will:

2.5.12.1. In coordination with ACC, monitor the development, testing, fielding and sustainment of chemical and biological defense aircrew flight equipment for mobility air forces.

2.5.12.2. In coordination with AFGSC, monitor the development, testing, fielding and sustainment of radiological and nuclear defense aircrew flight equipment for mobility air forces.

2.5.12.3. **Command Surgeon, Air Mobility Command (AMC/SG)** , as the MRA for en route care, the Patient Movement Items (PMI) program, and En route Care Safe-to-Fly program, will:

2.5.12.3.1. Develop doctrine, concepts, organization, materiel requirements, and objectives for en route care, the PMI program, and En route Care Safe-to-Fly program CBRN defense equipment for USAF Medical Service-specific materiel (i.e. non-joint material) acquisition process and, in coordination with ACC, oversee their development, testing, fielding and sustainment. (T-1)

2.5.12.3.2. Oversee the training, testing, and capturing of en route care, the PMI program, and En route Care Safe-to-Fly program recommendations on current countering WMD operations and activities. (T-1)

2.5.12.3.3. As the en route care, the PMI program, and En route Care Safe-to-Fly program capabilities subject matter expert, attend IPTs, exercises, and working group meetings. (T-1)

2.5.12.3.4. Provide input to CBRN defense related Initial Capabilities Documents, Capability Development Documents, DOTMLPF-P Change Recommendation, and other documents where en route care, the PMI program, and En route Care Safe-to-Fly program capabilities are included. Forward input to AFMRA for consideration, consolidation, and submission. (T-1)

2.5.12.3.5. Ensure medical CBRN defense capability will be operationally effective, suitable, and ready for mission employment. (T-1)

2.5.12.3.6. Coordinate sustainment of medical CBRN defense equipment medical countermeasures and diagnostics (e.g., warranty, funding consumables, Contractor Logistics Support, repair and replacement). (T-1)

2.5.13. Commander, Air Force Materiel Command (AFMC), in conjunction with SAF/AQ and user MAJCOMs, FLDCOMs, and DRUs, will:

2.5.13.1. Support the acquisition of all materiel designed to establish and/or maintain a countering WMD operational capability and support operating in and through CBRN environments.

2.5.13.2. Commander, Air Force Installation and Mission Support Center (AFIMSC) , will:

2.5.13.2.1. Provide countering WMD enterprise-wide investment recommendations to the DAF, including civil engineering and base infrastructure supporting countering WMD operations with the intent to prioritize investments in facilities, unique systems, logistics readiness, security forces, and transportation. (T-1)

2.5.13.2.2. Advocate for, prioritize, and implement resources, to include, for CBRN threat defense capabilities associated with installation infrastructure, security, mission support, and the organizing, training, and equipping of forces. (T-1)

2.5.13.2.3. **Commander, Air Force Civil Engineer Center (AFCEC)** will serve as the capability requirement validation authority for CBRN defense capabilities associated with airbase infrastructure (fixed and expeditionary), fire, explosive ordnance disposal, and emergency management missions. (T-1)

2.5.13.2.4. Air Force Civil Engineer Center, in collaboration with the Theater Air Forces respective A4C and A5R, for the protection and recovery domains of CBRN threat defense capabilities associated with airbase infrastructure (fixed and expeditionary), explosive ordnance disposal, and emergency management missions, will, through its **Director of Readiness (AFCEC/CX)**

2.5.13.2.4.1. Serve as the DAF Capability Developer for CBRN defense capabilities that minimize the effects of adversary WMD attacks associated with airbase infrastructure (fixed and expeditionary), fire, explosive ordnance disposal, and emergency management missions; in accordance with AFPD 10-25, *Emergency Management*, and AFI 10-2501. **(T-1)**

2.5.13.2.4.2. Conduct the necessary studies and analyses using DAF and Joint Concepts, Theater Operations Plans, Threat Assessments, Theater Concepts of Operations, and strategic guidance to identify and document operational capability gaps, risks, requirements and courses of action within the DOTMLPF-P trade space. **(T-1)**

2.5.13.2.4.3. Conduct Requirements Management through the life-cycle of CBRN threat defense capabilities to include the development and update of Initial Capabilities Documents (ICD) and Capability Development Documents (CDD) in accordance with the AFCEC Capability Assessment and Requirements Process in coordination with appropriate acquisition and sustainment offices. **(T-1)**

2.5.13.2.4.4. Develop and update Concepts of Employment, Mission Profiles, and unit type codes (UTC) configurations for CBRN threat defense capabilities as part of the capability baseline. **(T-1)**

2.5.13.2.4.5. Conduct Capability Management through the life-cycle of CBRN threat defense capabilities to include DCRs, fielding strategies, sustainment plans, training plans, standard operating procedures and tactics, techniques, and procedures, and replacement strategies in accordance with the AFCEC Capability Assessment and Requirements Process and PPBE process in coordination with appropriate acquisition/sustainment offices. **(T-1)**

2.5.13.2.4.6. Review and provide comments to capabilities documents to ensure the proposed solution adequately meets mission needs by participating in requirements generation through the Joint Requirements Office for CBRN Defense (JRO-CBRND) Integrated Concept Teams for CBRN Defense. **(T-1)**

2.5.13.2.4.7. Prepare and manage formal CBRN defense training courses and products for Airmen, Guardians and other base populace personnel, including senior leaders, to enable performance of non-medical CBRN defense tasks and missions on installations. **(T-1)**

2.5.13.2.5. **Commander, Air Force Security Forces Center (AFSFC)** will contribute to the identification and development of countering WMD technologies to include protection of assets, convoys, counter-small unmanned aerial systems. **(T-1)**

2.5.13.3. **Commander, Air Force Life Cycle Management Center (AFLCMC)**, through the **Director, Agile Combat Support Directorate, Senior Materiel Leader of the Air Force Human Systems Division (AFLCMC/WNU)**, will coordinate with AF/A4C, AFCEC/CX, ACC/A3T, and AFMRA/SG to support and provide acquisition expertise to the DAF for all CBRN defense equipment programs. **(T-1)** Specifically, AFLCMC/WNU will:

2.5.13.3.1. Provide acquisition and sustainment recommendations and oversight to ensure DAF capability needs are addressed by CBRN defense programs and initiatives. **(T-1)**

2.5.13.3.2. Review capability documentation DAF Annexes and ensure that they are both included as appropriate to acquisition and sustainment documents and consistent across documents. **(T-1)**

2.5.13.3.3. Provide recommendations to DAF to accept or reject submitted CBRN defense equipment and procedures based on acquisition expertise and a thorough understanding of USAF and USSF warfighter needs and requirements to ensure those needs and requirements are achievable. **(T-1)**

2.5.13.3.4. Review and provide comments to capabilities documents to ensure the proposed solution adequately meets mission needs by participating in requirements generation through the Joint Requirements Office for CBRN Defense (JRO-CBRND) Integrated Concept Teams for CBRN Defense. **(T-1)**

2.5.13.3.5. Support development of USAF and USSF tactics, techniques, and procedures in coordination with ACC/A3, AFCEC/CXR, AFMRA, MAJCOMs, FLDCOMs, and DRUs. **(T-1)**

2.5.13.3.6. Collaborate with the medical, non-medical, and aircrew capability Developers to provide the CBRN Defense Modernization Working Group program status of the Chemical and Biological Defense Program portfolio. **(T-1)**

2.5.13.3.7. Lifecycle management of sustainment for CBRN defense equipment (e.g., operational safety, suitability and effectiveness, provisioning, technical data, and technical orders). **(T-1)**

2.5.13.4. **Commander, Air Force Research Laboratory (AFRL)** will:

2.5.13.4.1. Serve as the DAF representative to JSTO. **(T-1)**

2.5.13.4.2. Plan and execute the countering WMD Science and Technology program, scientific research that supports the development of technology for military capabilities, to include developing proliferation monitoring technologies. **(T-1)**

2.5.13.4.3. Provide the DAF Countering WMD Council Modernization Working Group real time status of developing countering WMD science and technology, to include the Chemical and Biological Defense Program portfolio. **(T-1)**

2.5.14. **Commander, Space Operations Command (SpOC)** will find and characterize space threats in support of countering WMD futures planning, acquisition and sustainment, and operations and enable Airmen and Guardians to operate in and through CBRN environments. **(T-1)**

2.5.15. Commander, Space Training and Readiness Command (STARCOM) will:

2.5.15.1. Consider how to integrate countering WMD doctrine and operational concepts into appropriate professional military education courses, using [Attachment 4](#), as appropriate. **(T-1)**

2.5.15.2. Ensure countering WMD considerations are included, as appropriate, in basic and operational USSF doctrine. **(T-1)**

2.6. Directors of Field Operating Agencies will:

2.6.1. Ensure plans reflect CBRN vulnerabilities and include protective measures appropriate for the threat and mission. **(T-1)**

2.6.2. Participate in countering WMD training and exercises conducted by host installations. **(T-1)**

2.6.3. Commander, Air Force Medical Readiness Agency (AFMRA) will:

2.6.3.1. Develop, evaluate, and implement medical policy and guidance inputs to inform operational analysis, operational concept development and requirements determination throughout the modernization process, including supporting the submission of formal USAF medical CBRN defense requirements. **(T-1)**

2.6.3.2. Represent the USAF Medical Service at the DAF Countering WMD Integration Group and associated working groups. **(T-1)**

2.6.3.3. Determine medical CBRN defense research, development, and acquisition initiatives and requirements. **(T-1)**

2.6.3.4. Produce and collect inputs that establish medical CBRN defense capability requirements, key performance parameters/knowledge, skills, and abilities, and oversee initial employment concepts of operations (e.g., quantities, deployable and home station equipment, and training). **(T-1)**

2.6.3.5. Determine recommendations for the DAF to accept or reject submitted medical CBRN defense equipment, medical countermeasures, diagnostics, and procedures. **(T-1)**

2.6.3.6. Identify, validate, and elevate medical CBRN defense requirements to the DAF Countering WMD Council Modernization Working Group for consideration in DAF priorities for the DoD Chemical and Biological Defense Program. **(T-1)**

2.6.3.7. Coordinate WMD and CBRN threat assessments and medical intelligence through National Center for Medical Intelligence and appropriate intelligence organizations.

2.6.3.8. Monitor programming to fund medical CBRN defense sustainment, training, proficiency, and exercises. **(T-1)**

2.6.3.9. Identify and advocate for DAF medical equities in DoD, Joint, and inter-Service countering WMD forums, to include the DAF Countering WMD Council Integration Group and associated working groups. **(T-1)**

2.6.3.10. Develop and disseminate medical CBRN defense policy to MAJCOMs, FLDCOMs, and Medical Equipment Force Package Responsible Agencies (MRAs) to inform TTPs, allowance standards, fielding, and sustainment plans. **(T-1)**

2.6.3.11. Provide medical CBRN defense expertise to the Chemical and Biological Defense Program DAF POM build process. (T-1)

2.6.3.12. Provide USAF Medical Service representation at medical CBRN defense Integrated Capabilities Teams, IPTs, source selections, exercises, and working group meetings. (T-1)

2.6.3.13. Provide USAF Medical Service input to CBRN defense related Initial Capabilities Documents, Capability Development Documents, DOTMLPF-P Change Recommendations, and all other documents that are part of the Defense Acquisition System. (T-1)

2.6.3.14. Monitor Knowledge Management/Decision Support and Information & Resource Support System (IRSS) for CBRN defense related JCIDS coordination; consolidate and submit comments into KM/DS or IRSS. (T-1)

2.6.4. **Commander, Cyberspace Capabilities Center (CCC)** will ensure command, control, communication, computer, and intelligence systems consider and support countering WMD requirements and interoperability. (T-1)

2.6.5. **Director of the Air Force Office of Special Investigations (AFOSI)** will:

2.6.5.1. Train and equip AFOSI personnel to conduct and support countering WMD operations, where appropriate. (T-1)

2.6.5.2. Serve as a liaison with the Federal Bureau of Investigation for domestic CBRN terrorism incidents and with host nation investigative services for foreign incidents. (T-1)

2.6.5.3. Provide counterintelligence support to installation CBRN threat assessments and vulnerability assessments, to include preventing loss or theft of proliferation-sensitive CBRN materiel and/or technology. (T-1)

2.6.5.4. Provide counterintelligence support to safeguard DAF countering WMD technologies, programs, critical program information, personnel, and facilities. (T-1)

2.6.6. **Director of the National Air and Space Intelligence Center (NASIC)** will find and characterize air, missile, and cyber threats in support of countering WMD futures planning, acquisition and sustainment, and operations and enable Airmen and Guardians to operate in and through CBRN environments. (T-1)

2.7. **Directors of Direct Reporting Units (DRU) will.**

2.7.1. Ensure plans reflect CBRN vulnerabilities and include protective measures appropriate for the threat and mission. (T-1)

2.7.2. Participate in countering WMD training and exercises conducted by host installations. (T-1)

2.7.3. **Commander, Air Force District of Washington (AFDW)** will:

2.7.3.1. Identify an office of primary responsibility at the headquarters for supporting countering WMD operations and developing and analyzing associated needs and requirements. In order to understand and assess WMD threats, assigned individuals must have an adjudicated Top Secret level clearance and be eligible for Special Compartmented Information. Provide AF/A10S points of contact and update as required. (T-1)

2.7.3.2. Ensure countering WMD issues are raised to an appropriate, chartered, cross-functional HQ/AFDW working group. **(T-1)**

2.7.3.3. Review all tasks under Defense, Joint, and DAF Directives and assigned missions for the various regional plans. **(T-1)** Specifically:

2.7.3.3.1. Identify and support countering WMD related tasks, responsibilities, and operational military objectives assigned by these regional plans. **(T-1)**

2.7.3.3.2. Identify vulnerabilities and shortfalls through appropriate reporting channels to include incorporation of countering WMD-related items in the Command's IPL.

2.7.3.3.3. Continually evaluate these plans and Joint Staff guidance for changes in assigned missions and objectives that may modify required tasks. **(T-1)**

2.7.3.4. Organize, train, and equip assigned forces to support Joint countering WMD operations against WMD-armed competitors and adversaries. **(T-1)**

2.7.3.5. Support their wing, installation, and unit commanders' efforts to develop WMD-ready Airmen and Guardians to succeed in the future high-end fight against WMD-armed competitors and adversaries. **(T-1)**

2.7.3.6. Designate representatives to the DAF Countering WMD Council, Integration Group, and associated working groups, when appropriate. **(T-1)**

2.7.4. Director of the Air Force Operational Test and Evaluation Center (AFOTEC) will:

2.7.4.1. Plan, participate in, or conduct operational tests and evaluation of countering WMD and CBRN defense operational capabilities, where appropriate. **(T-1)**

2.7.4.2. Provide technical expertise on operational functionality of new capabilities during development of capability documents in accordance with the Joint Capabilities Integration and Development System and execute operational tests to evaluate programs' effectiveness, suitability and survivability. **(T-1)**

2.7.4.3. Provide Milestone Assessment Reports for each milestone in a program's acquisition lifecycle. **(T-1)**

2.7.4.4. For Joint CBRN defense capabilities, verify component Testing & Evaluation (T&E) performed by an Army Operational Test Agency to ensure DAF interests are taken into consideration to inform program purchase and fielding decisions. **(T-1)**

2.7.4.5. Evaluate technology capabilities in an operational environment. **(T-1)**

2.7.4.6. Advise Lead Operational Command to ensure specified requirements are testable, identify operational constraints, and assist in defining key performance parameters. **(T-1)**

2.8. Commanders, Wing, Delta, Unit, and Installations will.

2.8.1. Lead, exercise, and execute operations in support of joint operational plans and countering WMD objectives against WMD-armed adversaries and, if necessary, while operating in and through CBRN environments. **(T-1)**

2.8.2. Develop WMD-ready Airmen and Guardians to succeed in the future high-end fight against WMD-armed competitors and adversaries.

2.8.3. Use validated threat assessments and intelligence to determine priorities for capability enhancements, training, exercises, requirements for outside support, and mitigation efforts. (T-1)

JAMES C. DAWKINS JR., Lt Gen, USAF
DCS, Strategic Deterrence & Nuclear Integration

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

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Joint Publication (JP) 3-40, *Countering Weapons of Mass Destruction*, 27 November 2019

Adopted Forms

AF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ACC—Air Combat Command

AETC—Air Education and Training Command

AF/A1—Deputy Chief of Staff for Manpower, Personnel and Services (USAF)

AF/A2/6—Deputy Chief of Staff for Intelligence, Surveillance, Reconnaissance and Cyber Effects Operations (USAF)

AF/A2/6A—Director, Analysis, Partnerships and Engagement (USAF)

AF/A2/6C-A3C—Director, Cyberspace Operations and Warfighter Communications (USAF)

AF/A2/6N—Director, National Aviation Intelligence Integration Office (USAF)

AF/A2/6O—Director of Intelligence, Surveillance, and Reconnaissance Operations (USAF)

AF/A3—Deputy Chief of Staff, Operations (USAF)

AF/A3O—Director of Current Operations (USAF)

AF/A3T—Director of Training and Readiness (USAF)

AF/A4—Deputy Chief of Staff for Logistics Engineering and Force Protection (USAF)

AF/A4C—Director of Civil Engineers (USAF)

AF/A4L—Director of Logistics (USAF)

AF/A4S—Director of Security Forces (USAF)

AF/A5—Deputy Chief of Staff for Strategy, Integration and Requirements (USAF)

AF/A5I—Director, Air Force Futures (USAF)

AF/A5D—Director of Operational Capability Requirements (USAF)

AF/A5S—Director of Strategy, Concepts, and Assessments (USAF)

AF/A8—Deputy Chief of Staff for Strategic Plans and Programs (USAF)

AF/A8P—Director of Programs (USAF)

AF/A8X—Director of Strategic Plans (USAF)

AF/A9—Director for Studies, Analyses and Assessments (USAF)

AF/A9I—Director of Future Warfare Analysis (USAF)

AF/A10—Deputy Chief of Staff for Strategic Deterrence and Nuclear Integration (USAF)

AF/A10C—Chief, Nuclear Capabilities Division (USAF)

AF/A10D—Chief, Nuclear Force Development (USAF)

AF/A10P—Chief, Nuclear Policy Division (USAF)
AF/A10S—Chief, Countering WMD Division (USAF)
AFCEC—Air Force Civil Engineer Center
AFCEC/CX—Air Force Civil Engineer Center Director of Readiness
AFDW—Air Force District of Washington
AFDP—Air Force Doctrine Publication
AFH—Air Force Handbook
AFI—Air Force Instruction
AFIMSC—Air Force Installation & Mission Support Center
AF/JA—Air Force Judge Advocate General
AF/JAO—Director, Operations and International Law Domain (USAF)
AFLCMC—Air Force Life Cycle Management Center
AFLCMC/WNU—Senior Materiel Leader of the Air Force Human Systems Division
AFMAN—Air Force Manual
AFMC—Air Force Materiel Command
AFMRA—Air Force Medical Readiness Agency
AFOSI—Air Force Office of Special Investigations
AFOTEC—Air Force Operational Test and Evaluation Center
AFPD—Air Force Policy Directive
AFRL—Air Force Research Laboratory
AF/RE—Chief, Air Force Reserve
AF/REX—Director, Plans, Programs and Requirements (USAF)
AFSC—Air Force Specialty Code
AFSFC—Air Force Security Forces Center
AF/SG—Air Force Surgeon General
AFTAC—Air Force Technical Applications Center
AMC—Air Mobility Command
CBRN—Chemical, Biological, Radiological and Nuclear
CBRNE—Chemical, Biological, Radiological and Nuclear, and High-Yield Explosive
CCC—Cyberspace Capabilities Center
CJCSI—Chairman of the Joint Chiefs of Staff Instruction
CSAF—Chief of Staff of the Air Force

CSO—Chief of Space Operations

DAF—DAF

DAFI—DAF Instruction

DAFMAN—DAF Manual

DAFPD—DAF Policy Directive

DCS—Deputy Chief of Staff

DCSO—Deputy Chief of Space Operations

DoD—Department of Defense

DoDD—Department of Defense Directive

DoDI—Department of Defense Instruction

DOTMLPF-P—Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities, and Policy

DRU—Direct Reporting Unit

FLDCOM—Field Command

HAF—Headquarters Air Force

HAFMD—Headquarters Air Force Mission Directive

IPL—Integrated Priority List

IPT—Integrated Product Teams

ISR—intelligence, surveillance, reconnaissance

JP—Joint Publication

JPEO-CBRND—Joint Program Executive Office for CBRN Defense

JRO-CBRND—Joint Requirements Office for CBRN Defense

JSTO—Joint Science and Technology Office

MAJCOM—Major Command

MEFPAK—Manpower and Equipment Force Packaging

MRA—Manpower and Equipment Force Packaging Responsible Agency

NASIC—National Air and Space Intelligence Center

NTNF—National Technical Nuclear Forensics

PSI—Proliferation Security Initiative

SAF/AQ—Assistant Secretary of the Air Force for Acquisition, Technology and Logistics

SAF/CN—Chief Information Officer

SAF/CNS—Director, Enterprise Information Technology

SAF/FM—Assistant Secretary of the Air Force for Financial Management and Comptroller

SAF/FMB—Deputy Assistant Secretary of the Air Force for Budget
SAF/GC—General Counsel of the Department of the Air Force
SAF/IA—Deputy Undersecretary of the Air Force for International Affairs
SAF/IAP—Director of Policy and Programs
SAF/IG—Secretary of the Air Force, Office of the Inspector General
SAF/LL—Director, Legislative Liaison
SAF/MR—Assistant Secretary of the Air Force for Manpower and Reserve Affairs
SAF/MRM—Deputy Assistant Secretary of the Air Force for Force Management Integration
SAF/MRR—Deputy Assistant Secretary of the Air Force for Reserve Affairs
SAF/PA—Office of the Secretary of the Air Force, Public Affairs
SAF/PAO—Chief, Media Operations Division
SF/CHCO—Deputy Chief of Space Operations for Human Capital
SF/COO—Deputy Chief of Space Operations for Operations
SF/CSRO—Deputy Chief of Space Operations for Strategy and Resources
SF/CTIO—Deputy Chief of Space Operations for Technology and Innovation
SF/S2—Director of Space Intelligence, Surveillance, and Reconnaissance
SF/S10N—Chief, Deterrence Operations Division (USSF)
UAS—Unmanned Aircraft System
USAF—United States Air Force
USD(A&S)—Under Secretary of Defense for Acquisition and Sustainment
USSF—United States Space Force
UTC—Unit Type Code
WMD—Weapons of Mass Destruction
557 WW—557th Weather Wing

Terms

Terms listed here are in addition to—Those defined in the Department of Defense Dictionary of Military and Associated Terms.

Counterproliferation Interdiction—A proactive United States government mission for deterring, making more costly, inhibiting, disrupting, and preventing trafficking in shipments of proliferation concern. (CJCSI 5113.03A)

Countering Weapons of Mass Destruction Enterprise—People, organizations, processes, procedures, and systems conducting, executing, and supporting countering WMD operations, and developing and implementing related policy and guidance. (AFPD 10-26)

Proliferation Security Initiative—An initiative intended to complement and support counterproliferation interdiction operations. It provides a voluntary framework through which PSI partner nations declare their political will to conduct WMD-related interdictions and then work to improve national operational capabilities and domestic legal authorities in order to do so. (CJCSI 3520.02C)

WMD Defeat—After acquisition or development of a capability, efforts to target the ability to assemble, stockpile, deliver, transfer, or employ WMD. This involves employing tailored capabilities to neutralize or destroy weapons and agents; delivery systems; and materials, facilities, and processes, including the functional or structural defeat of hardened targets (JP 3-40, *Countering Weapons of Mass Destruction*).

WMD Pathway Defeat— Efforts to prevent development or acquisition of WMD, to include conventional, cyberspace, and special operations. Pathway defeat focuses on actions to dissuade, deter, delay, disrupt, destroy, divert, or otherwise complicate conceptualization and development of WMD. Though not exclusive, WMD pathway defeat actions are often in support to or in close collaboration with interagency partners (JP 3-40).

WMD-Ready Airman/Guardian—a regular, reserve, and National Guard officer and enlisted who achieve proficiency in conducting and supporting countering WMD operations, maintain CBRN defense training in accordance with DAFI 10-2501, and are trained to perform critical tasks in a contested, contaminated, or WMD-threatened environment.

Attachment 2

DEPARTMENT OF THE AIR FORCE COUNTERING WEAPONS OF MASS DESTRUCTION ENTERPRISE GOVERNING BODIES

A2.1. Overview.

A2.1.1. The Department of the Air Force, comprised of the USAF and USSF, must perform its mission in any environment, including CBRN environments. The development, acquisition, proliferation, and use of WMD and related capabilities by our adversaries threatens DAF operations and the safety of our Airmen and Guardians. We must organize, train, and equip to deter and counter that threat.

A2.1.2. In accordance with DAFFD 10-26, *Countering Weapons of Mass Destruction*, the Countering WMD Council leads DAF efforts to meet the objectives of the 2018 National Defense Strategy and to implement DoD Directive 2060.02, *Department of Defense Countering Weapons of Mass Destruction (WMD) Policy*. These objectives are to dissuade, prevent or deter adversaries from developing, acquiring, proliferating or using weapons of mass destruction against the United States and its allies and partners.

A2.2. Purpose.

A2.2.1. The DAF Countering WMD Council is chartered by the Under Secretary of the Air Force to address Department wide countering WMD issues. Operating at the enterprise level, the Council's primary role is to:

A2.2.1.1. Provide senior-level oversight and direction for the DAF Countering WMD Enterprise, including key issues such as policy, requirements, and capabilities

A2.2.1.2. Resolve cross-command and cross-functional issues.

A2.2.2. The Countering WMD Council ensures DAF countering WMD missions, capabilities, and operational requirements are current and relevant to meet emerging needs, as well as provide recommended Service positions for USAF and USSF representatives to integrate with Joint, Department of Defense (DoD), and Interagency organizations.

A2.2.3. The Council also informs, guides, and provides senior leader perspective on key elements of the air and space component of countering WMD operations such as planning, targeting, equipping and training.

A2.2.4. The Council provides DAF senior leader position on countering WMD issues within Service, Department, Joint, DoD, and Interagency forums and processes. Accordingly, the Council will inform, shape, and approve DAF positions as it relates to countering WMD priorities in DoD Program Objective Memorandum processes.

A2.2.5. The Council uses existing processes to inform the DAF Corporate Structure to ensure countering WMD policy, capabilities, requirements and priorities are consistent with the Joint Capabilities Integration and Development System, defense acquisition processes and legal constraints, and provides service priorities, vectors and concerns to the Office of the Secretary of Defense (OSD), the Joint Staff, other departments and agencies, and the statutorily-mandated Chemical and Biological Defense Program.

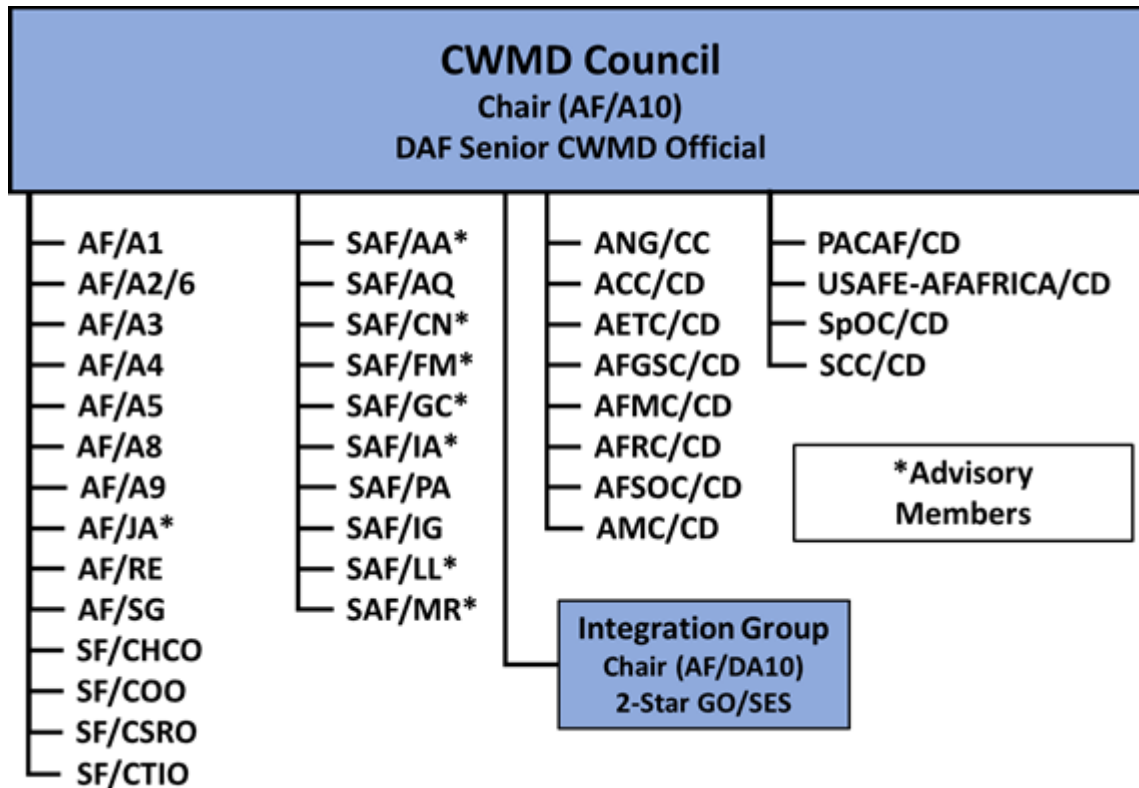
A2.2.6. The Council will address the countering WMD issues presented by its member organizations or by one of its working groups (see [paragraph A2.3.4](#)).

A2.3. Organization.

A2.3.1. The Council is one tier of a three-tiered structure (see [Figure A2.1](#)) that includes a subordinate Countering WMD Integration Group supported by working groups.

A2.3.2. The Council is comprised of HAF deputy chief of staff (DCS)-level and deputy chief of space operations (DCSO)-level senior military officers and civilian equivalents and MAJCOM, FLDCOM, and DRU deputy commanders, and is chaired by AF/A10.

Figure A2.1. Countering WMD Council Structure and Membership.



A2.3.3. The Countering WMD Operations Integration Group provides three-digit DAF oversight for all aspects of countering WMD, and acts as a clearing house for the Council. It is comprised of 2 or 1-star-level general officers and civilian equivalents, and is chaired by a 2-star general officer or civilian equivalent from AF/A10. The Countering WMD Integration Group will meet semi-annually in advance of Council meetings, and may resolve countering WMD issues or submit them to the Council for resolution.

A2.3.4. Working groups function as the action arms of the Council and are chaired by O-6-level military officers or civilian equivalents. Two permanent working groups report to the Council: the Countering WMD Policy Working Group (oversees strategy, plans, policy, doctrine, and support to operations) and the CBRN Defense Modernization Working Group (oversees DAF engagement with the DoD Chemical and Biological Defense Program and materiel modernization efforts). The Council may direct the establishment of permanent or ad hoc working groups as required.

A2.4. Membership.

A2.4.1. Council members will have the authority to make decisions and commit their organizations with respect to the DAF Countering WMD Enterprise. HAF, MAJCOM, FLDCOMs, DRUs, and DAF agencies that have a stake in the DAF Countering WMD Enterprise (see [Figure A2.1](#)) will designate a general officer or senior executive civilian (Deputy Commander or three-star equivalent) as their Council representative. If the designated representative is not available to attend a specific meeting, member organizations may appoint an alternate.

A2.4.2. The Council serves as the DCS and DCSSO-level DAF cross-functional lead for countering WMD within the DAF Corporate Process, and as such may nominate countering WMD topics for Senior Leader review (issue papers, programming, Deputy's Management Action Group topics, etc.). Additionally, the Council will oversee the development of, validate, and advocate for DAF priorities submitted through the corporate process to the Chemical and Biological Defense Program. The Council will ordinarily resolve issues brought before it by consensus.

A2.5. Responsibilities.

A2.5.1. As the Council Chair, AF/A10 will ensure the following objectives are met:

A2.5.1.1. Critical issues affecting the DAF Countering WMD Enterprise are resolved.

A2.5.1.2. Direct periodic DAF Countering WMD Enterprise health assessment, in coordination with the appropriate HAF, MAJCOM, FLDCOM, or DRU organizations, and provide results to the SecAF, CSAF, and CSO.

A2.5.1.3. Issues submitted by the working groups for Council review/action are addressed, and that outstanding and/or unresolved issues receive particular emphasis.

A2.5.1.4. Council actions are tasked to the appropriate Department organization(s).

A2.5.1.5. On behalf of the SecAF, CSAF, and CSO, coordinated Department positions on countering WMD issues are presented to DoD, Joint and Interagency organizations and forums, consistent with the responsibilities outlined in AFPD 10-26.

A2.5.1.6. Robust interaction is established with key non-USAF and USSF countering WMD planners within DoD, across the U.S. Government, and with international partners.

A2.5.1.7. Countering WMD developments associated with U.S. Special Operations Command's role as the DoD lead for countering WMD are disseminated throughout the DAF Countering WMD Enterprise.

A2.5.2. AF/A10S will serve as Executive Secretary of the Council.

A2.5.3. The Council members may present to the Council potential issues and/or impacts on the DAF Countering WMD Enterprise, including those arising as a result of evolving national policies, strategies, studies, and reviews.

A2.6. Meetings.

A2.6.1. The Council will meet semi-annually and as requested. Any member of the Council may request a meeting.

A2.6.2. Scheduling of Council meetings will align with established DAF and Office of the Secretary of Defense Programming timelines. Generally, a Council meeting will be held in the first quarter of each Fiscal Year, prior to the beginning of the upcoming year's programming cycle, to provide input on DAF countering WMD equities, to include capabilities developed through the DoD Chemical and Biological Defense Program, and their subsequent resourcing priorities. A second Council meeting will be held in the third quarter of each Fiscal Year, prior to the submission of DoD Program Objective Memorandums, to assess the resourcing status of DAF countering WMD equities, to include capabilities developed through the DoD Chemical and Biological Defense Program, and their impact on USAF and USSF operational readiness.

A2.7. Process.

A2.7.1. The Council will establish a process to provide oversight and direction for the resolution of issues affecting the DAF Countering WMD Enterprise. The process is intended to provide a documented, repeatable, traceable, and standardized approach for resolving USAF and USSF countering WMD issues.

A2.7.2. AF/A10 will identify tasks/issues as directed by the Council.

A2.7.3. When needed, the Council will designate an Office of Primary Responsibility (OPR) and forward a task/issue to the working groups for action.

A2.7.4. OPRs are responsible for all aspects of task/issue resolution.

A2.7.4.1. The Council will review and provide feedback to the OPR as appropriate.

A2.7.4.2. AF/A10 will review the status of tasks/issues and present closed action plans, recommendations, and/or tasks to the Council.

Attachment 3

DEVELOPING CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM PRIORITIES FOR DEPARTMENT OF THE AIR FORCE MISSIONS

A3.1. Overview. As the DAF Operations lead for the DoD Chemical and Biological Defense Program and Radiological and Nuclear Defense development, AF/A10 identifies, assesses, prioritizes, and coordinates gaps and vulnerabilities related to operating in and through CBRN environments.

A3.2. Purpose. AF/A10S accomplishes this annually to ensure that inputs to the DoD Chemical and Biological Defense Program POM are informed by the latest threats, operational plans, and analysis.

A3.3. Identifying and Integrating Gaps and Vulnerabilities.

A3.3.1. AF/A10S integrates gaps identified across the force, which may vary by combatant commander's area of operational responsibility depending on specific threats and vulnerabilities.

A3.3.2. Gaps are solicited directly from across the force through various points of contact at each MAJCOM, FLDCOM, DRUs, and HAF functional leads.

A3.3.3. Gaps are also identified by mining integrated risk assessments, capability gap assessments, readiness review reports, combatant commander IPLs, vulnerability assessments, and exercise out briefs.

A3.3.3.1. Gaps are assessed to determine whether they require material or non-material solutions.

A3.3.3.2. Operational gaps are further analyzed to determine what specific CBRN capability gap(s) may be associated with the operational gap, and vice versa.

A3.3.4. Once capability and operational gaps have been compiled they are then synchronized to ensure the cumulative list adequately captures CBRN Defense gaps across the force.

A3.3.4.1. In coordination with AF/A5R, AF/A4C, and AFIMSC, AF/A10S follows this identification and integration of gaps and vulnerabilities to ensure clear communication has occurred with the major commands, field commands, and combatant commands.

A3.3.4.2. In coordination with the AF/A4C, the gaps identified are provided to the Joint Strategic Portfolio Analysis and Review (JSPAR), which, in conjunction with the other Services, provides the consolidated Service priority list to inform the Chemical Biological Defense Program's POM.

A3.4. Assessing Risk.

A3.4.1. Operational risk associated with the identified gaps is assessed to enable the prioritization of operational and, subsequently, capability gaps.

A3.4.2. The risk assessment and subsequent prioritized list of gaps is coordinated with HAF, MAJCOM, FLDCOM, and Direct Reporting Unit stakeholders.

A3.5. Final Product.

A3.5.1. The DAF Operations lead provides the prioritized and synchronized list of capability gaps to the DAF Modernization lead for the Chemical and Biological Defense Program (AF/A4C).

A3.5.2. The DAF Modernization lead uses the capability gap list, in conjunction with information on advanced development program performance and Science and Technology efforts, to develop DAF inputs to the DoD Chemical and Biological Defense Program.

A3.5.3. The final product, *Air Force Chemical and Biological Defense Program Resourcing Priorities*, is coordinated with HAF, MAJCOM, FLDCOM, and DRU stakeholders.

Attachment 4

DEPARTMENT OF THE AIR FORCE COUNTERING WEAPONS OF MASS DESTRUCTION CROSS-FUNCTIONAL COMPETENCIES

A4.1. Overview.

A4.1.1. Purpose. This attachment provides the operational context and countering WMD competencies ([Table A4.1](#)) recommended to develop WMD-ready Airmen and Guardians, across all USAF and USSF functions, which can successfully conduct countering WMD operations. DAF organizations can also use these competencies to develop requirements for hiring or developing civilian experts or awarding contracts that support the Countering WMD Enterprise.

A4.1.2. Operational Context. A robust countering WMD operational capability for the DAF is not achieved through a single individual or skill-level, nor is it the responsibility of a single functional community. All Airmen, Guardians, and civilians with responsibilities to address WMD issues should be proficient, at the appropriate proficiency level, in the competencies of 1) develop and maintain technical expertise; 2) countering WMD collaboration; 3) countering WMD intelligence, surveillance, and reconnaissance; 4) pathway and WMD defeat; and 5) countering WMD operations and forces. These five competencies are described in [Table A4.1](#). For installation level WMD consequence management and CBRN response competencies, DoDI 3020.52, *DoD Installation Chemical, Biological, Radiological, Nuclear, and High-Yield Explosive (CBRNE) Preparedness Standards*, provides baseline requirements expanded and clarified within AFPD 10-25, *Air Force Emergency Management*, DAFI 10-2501 and AFMAN 10-2503.

A4.1.2.1. Proficiency levels are coupled with each competency. From lowest to highest, the proficiency levels are Basic, Intermediate, Advanced and Expert—correlating to proficiency examples found in AFH 36-2647, *Competency Modeling*. Proficiency in each competency is cumulative; for example, Airmen and Guardians occupying a billet that requires an Expert level of proficiency in Counter-WMD Intelligence, Surveillance, and Reconnaissance should demonstrate the behaviors of all four proficiency levels in that competency. The proficiency levels are defined as follows:

A4.1.2.1.1. Basic. Focus is on Airmen and Guardians developing a foundation of countering WMD education to be WMD-ready. They are new or relatively new to the DAF, acclimating to and learning the fundamental role of the DAF's nuclear mission. Basic proficiency is a general awareness of the countering WMD mission required of all Airmen and Guardians.

A4.1.2.1.2. Intermediate. WMD-ready Airmen and Guardians continue learning and developing countering WMD skills, understanding how to leverage other countering WMD experts and other knowledge sources, and beginning to apply their required job knowledge to their work. They are learning their role and the impacts of what they do on the DAF's countering WMD mission.

A4.1.2.1.3. Advanced. At this level, WMD-ready Airmen and Guardians leverage knowledge of countering WMD strategies and issues to develop, present, and implement solutions. They may lead organizations with a countering WMD mission and/or supervise teams in direct support of the countering WMD mission, and understand the contributions and consequences of their role in the countering WMD mission. Advanced countering WMD Airmen and Guardians consult with subject matter experts and share an understanding of how areas of competence influence each other. Advanced WMD-ready Airmen and Guardians who may lead or manage large, complex, multi-tiered organizations contribute to the development of nuclear capabilities by articulating the benefit of solutions. WMD-ready Airmen and Guardians achieve an advanced competency when completion of countering WMD education coursework is coupled with requisite training and experience.

A4.1.2.1.4. Expert. At this level, WMD-ready Airmen and Guardians apply their countering WMD education, expertise, and knowledge to strategic problem solving for countering WMD mission objectives. As recognized subject matter experts and thought leaders, expert WMD-ready Airmen and Guardians synthesize information to develop solutions to complex WMD challenges and promote critical thinking and diversity of thought. They may lead large, complex, multi-tiered organizations, direct rigorous countering WMD assessments, and lead improvement efforts. These WMD-ready Airmen and Guardians expertly articulate, arbitrate, and advocate for the countering WMD mission and may represent the DAF externally. WMD-ready Airman and Guardians achieve Expert competency when completion of countering WMD education coursework is coupled with requisite training and experience.

A4.1.2.2. These competencies are not all encompassing. They are general enough to address a broad range of DAF countering WMD requirements implemented during major combat operations, countering WMD terrorism activities, and homeland defense/civil support efforts. There may be more specific and specialized requirements within certain USAF and USSF career fields that the appropriate career field manager develops.

A4.1.2.3. Countering WMD 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 WMD-ready Airmen and Guardians capable of conducting countering WMD operations against a WMD-armed adversary. To facilitate and achieve this operational objective, five targeted audiences are defined to manage and institutionalize the necessary knowledge, skills, and abilities that ultimately enable and sustain an integrated operational capability.

A4.1.2.3.1. Senior Leadership. Those with command authority and responsibility for directing countering WMD operations. The O-6 plus category shown within the proficiency levels in [paragraph A4.1.2.1](#) is recommended to produce USAF and USSF leaders who understand the full range of countering WMD operations and apply effective operational and risk management decisions.

A4.1.2.3.2. Functional Specific. Those classified within certain USAF and USSF Specialty Codes with sufficient knowledge of and competence in their countering WMD tasks in functionally-driven tactics, techniques, and procedures. In essence, this enables those who perform functional skills that ensure critical operations (e.g., sortie generation, cargo throughput, etc.) to conduct countering WMD operations. The proficiency levels, in [paragraph A4.1.2](#), closely correlate to DAF skill-levels.

A4.1.2.3.3. Individual. The basic building block upon which all countering WMD capability is realized. This is where the preponderance of Airmen and Guardians, regardless of rank or Air Force Specialty Code (AFSC) affiliation, possesses sufficient knowledge of and competence in their ability to conduct countering WMD operations. To be WMD-ready and ensure this ability to not only survive, but to operate, our Airmen and Guardians need the broadest foundational (or universal) level of understanding and ability.

A4.1.2.3.4. Specialized Expertise. Those within certain communities who provide the underpinning science, equipment acquisition and procurement, or innovative solutions to defeat an adversary's WMD capabilities.

A4.1.2.3.5. Civilians and Contractors. Should have a well-established understanding of countering WMD operations consistent with their duties and responsibilities. The DAF organization identifies competencies appropriate for its contractor employee(s), and ensures it is included in the contract's Statement of Work.

A4.2. Countering WMD Competencies.

A4.2.1. Educators, trainers, and exercise developers should develop countering WMD curricula, training materials, and exercise events using the appropriate competencies listed in [Table A4.1](#). If using these competencies, Career Field Managers 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. All competencies contribute to the DAF's ability to conduct countering WMD operations.

A4.2.2. Methodology. The DAF Countering WMD Council follows a three-step methodology to institutionalize a DAF Countering WMD operational capability: competency development; baseline evaluation; and gap identification and assessment.

A4.2.2.1. Competency Development. A measurable cluster of knowledge, skills, and abilities, or other attributes that an individual should possess to successfully perform consistent with a given task, condition, and standard.

A4.2.2.2. Baseline Evaluation. Education and training stakeholders determined the current level of countering WMD education, training, and exercises within their domain.

A4.2.2.3. Gap Identification and Assessment. Education and training stakeholders should compare their existing baselines against [Table A4.1](#) Countering WMD Competencies to identify shortfalls within their domain. This gap assessment should determine potential corrective actions and identified resources required to eliminate the shortfalls.

A4.2.3. Competency Application. The recommended competencies herein represent the knowledge, skills, and abilities that apply to Senior Leaders and Individuals (Airmen and Guardians), regardless of functional specialty. Some apply to Airmen and Guardians 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 competencies most appropriate for their operational or functional needs.

A4.2.3.1. Though some competencies appear to be functionally specific in nature, the intent was to identify universal knowledge, skills and abilities and create countering WMD education, training, and exercise competencies that apply broadly across the DAF.

A4.2.3.2. Career Field Managers can determine the competencies that apply to their specific career field, and incorporate them into their existing Career Field Education and Training Plan as foundational knowledge, skills and abilities.

A4.2.3.3. Competencies should be used to develop AFSC-awarding courses, as appropriate. New countering WMD or CBRN defense training that is non-AFSC-specific should be vetted and approved through the corporate review process detailed in AFI 36-2670, *Total Force Development*.

A4.2.4. The countering WMD competencies, contained in [Table A4.1](#), support DAF Foundational Competencies developed by AETC.

Table A4.1. Countering WMD Cross-Functional Competencies.

Competency #1: Develop and Maintain Technical Expertise	
Description	Competency Level
<p>Develop, maintain, and expand technical expertise for countering WMD-related planning, research and development, programming, exercising, system integration, analysis, reach-back, and mission execution</p> <ul style="list-style-type: none"> • Understand the distinction between various forms of WMD and their effects • Evaluate adversary intentions for WMD use during crises and contingency operations • Develop the necessary expertise for counter-WMD planning, research and development, exercising, and mission execution 	<p>Basic</p> <ul style="list-style-type: none"> • Describe CBRN hazards, potential delivery methods, and their characteristics and effects • Define different levels of CBRN protection (individual and base ops)
	<p>Intermediate</p> <ul style="list-style-type: none"> • Identify force protection measures to defeat adversary use of WMD against air bases • Collect lessons learned and provide AARs during all phases of a CBRN incident
	<p>Advanced</p> <ul style="list-style-type: none"> • Explain DoD counter-WMD strategy, policy, and plans • Outline planning considerations for WMD interdiction operations across multiple domains • Evaluate adversary denial and deception efforts to mask WMD activities • Recognize trends and patterns to identify indications of WMD mobilization • Determine adversarial WMD capabilities to include intentions, vulnerabilities, and means of delivery
	<p>Expert</p> <ul style="list-style-type: none"> • Formulate concepts for detecting WMD proliferation and movement of WMD material and technology • Assess the effects of adversarial WMD employment against US and coalition air operations

Competency #2: Counter-WMD Collaboration	
Description	Competency Level
<p>Cooperate with and support domestic and foreign security partners on countering WMD operations</p> <ul style="list-style-type: none"> • Develop relationships with partners to promote common threat awareness, countering WMD self-sufficiency, and military interoperability • Develop methods with partners to enhance timely indicators and warnings, tracking materials of concern, responding to and defeating WMD threats, and managing the consequences of attacks • Coordinate with non-governmental organizations to enhance capabilities and capacities 	<p>Basic</p> <ul style="list-style-type: none"> • State the DAF contributions to joint countering WMD operations • Define the role of DoD in support of USG homeland defense/civil support operations
	<p>Intermediate</p> <ul style="list-style-type: none"> • Explain the importance of establishing interagency agreements to share intelligence on CBRN threats and hazards • Discuss the importance of arms control and nonproliferation agreements
	<p>Advanced</p> <ul style="list-style-type: none"> • Demonstrate knowledge of joint, combined, coalition, and interagency counter-WMD capabilities • Describe the roles and responsibilities of federal, state, local, tribal, and partner-nation agencies in relation to counter-WMD operations • Describe the potential national and international implications stemming from counter-WMD operations • Develop and conduct realistic counter-WMD exercises with joint, combined, coalition and interagency partners • Design DAF counter-WMD requirements and concepts that are complementary to other Services' efforts
	<p>Expert</p> <ul style="list-style-type: none"> • Develop and implement counter-WMD support agreements with other U.S. agencies, allies, and coalition partners • Appraise DAF participation in DoD and interagency counter-WMD exercises

Competency #3: Counter-WMD Intelligence, Surveillance, and Reconnaissance	
Description	Competency Level
<p>Establish situational awareness of adversary capabilities to employ WMD, assess U.S. and partner counter-WMD capabilities, and evaluate the full range of counter-WMD efforts</p> <ul style="list-style-type: none"> • Create and maintain situational awareness of global materials and stockpiles and the intentions and capabilities of actors of concern • Develop means to locate, identify, characterize, assess, and predict threats against U.S. and partner vulnerabilities • Predict and assess the possible future impact of WMD on friendly forces and plans of action • Support attribution efforts to determine the origin of material or a weapon as well as those responsible for a CBRN event 	<p>Basic</p> <ul style="list-style-type: none"> • Define the range of space, air, and surface WMD threats to air bases (CONUS/OCONUS) • Predict the CBRN hazard to friendly forces near permanent and dispersed bases
	<p>Intermediate</p> <ul style="list-style-type: none"> • Understand adversary tactics, techniques, and procedures for WMD use • Use multiple information sources and methods, to include reachback, to improve WMD tracking • Explain the impact of WMD effects on USAF and USSF capabilities and operations
	<p>Advanced</p> <ul style="list-style-type: none"> • Implement available US ISR collection assets to detect, identify, and pass on WMD threat information • Interpret all-source data to detect WMD proliferation and the potential for the transfer of WMD material and technology • Develop potential enemy COAs in their developing/employing WMD • Predict adversary WMD mobilization, efforts to mask WMD activities, and potential COAs for employing WMD • Assess an adversary's WMD capabilities to include intentions and means of delivery
	<p>Expert</p> <ul style="list-style-type: none"> • Develop space, air, and surface assets to detect and pass on WMD threat information • Develop multiple information sources and methods to obtain a high level of fidelity and granularity • Develop and review statements of intelligence interest as they relate to WMD

Competency #4: Pathway and WMD Defeat	
Description	Competency Level
<p>Apply U.S. and partner capabilities against adversary WMD-related infrastructure and delivery systems to control, defeat, disable, and dispose of WMD threats</p> <ul style="list-style-type: none"> • Isolate, intercept, divert, seize, and secure WMD and related capabilities • Delay, disrupt, destroy, or otherwise complicate specific nodes, links, and supporting networks prior to WMD acquisition • Target efforts to assemble, stockpile, deliver, transfer, or employ WMD after WMD acquisition 	<p>Basic</p> <ul style="list-style-type: none"> • Use the levels of command and control to report WMD threats across the force • Explain the possible CBRN effects resulting from a WMD defeat mission
	<p>Intermediate</p> <ul style="list-style-type: none"> • Identify examples of WMD targets across the proliferation continuum, from material sources through to delivery systems • Describe WMD Pathway and WMD defeat capabilities to include their availability and employment • Execute movement tracking of WMD targets to maximize strike opportunities
	<p>Advanced</p> <ul style="list-style-type: none"> • Apply a targeting process to WMD targets while minimizing collateral damage • Interpret potential environmental variables as they relate to WMD target engagement • Explain the consequences of hitting WMD targets, incl. desired and collateral effects • Interpret battle damage assessments to confirm completion of operational objectives • Analyze the unique elements of WMD targets (e.g., aim points, precision engagement, restrictions to engagement) • Evaluate the full range of attack options and the optimal combination of weapons and platforms to produce effect-based kills
	<p>Expert</p> <ul style="list-style-type: none"> • Develop an operational framework of sensors, shooters, battle management, and related infrastructure to enable air strikes • Support the development of no-strike lists, restricted strike lists, and restrictions on weapons

Competency #5: Counter-WMD Operations and Forces	
Description	Competency Level
<p>Implement operational concepts and TTPs to mitigate WMD-related hazards and effects of use in order to safeguard the force and manage consequences on military operations</p> <ul style="list-style-type: none"> • Prepare forces to mitigate the effects of WMD attacks through the use of specialized equipment and training • Respond to requests for support by U.S. and foreign civil authorities as authorized • Support activities to exploit and degrade or destroy critical and at-risk components of a WMD program following military operations • Support the deliberate technical process to reduce or dismantle production methods, materials, stockpiles, and technical infrastructure 	<p>Basic</p> <ul style="list-style-type: none"> • Recognize indicators of adversary WMD use • Demonstrate the ability to employ basic individual CBRN protective measures • Understand the implications as well as limitations of CBRN detection results
	<p>Intermediate</p> <ul style="list-style-type: none"> • Use DAF, Joint, and coalition CBRN warning and reporting procedures • Interpret weather effects on CBRN hazards that may impact military operations • Anticipate the implications of asset contamination in the course of WMD attacks
	<p>Advanced</p> <ul style="list-style-type: none"> • Demonstrate the ability to plan, command, control, and execute counter-WMD operations during military contingencies • Organize DAF assets to support civil authorities requesting CBRN defense expertise as needed • Identify and use reachback operations to support counter-WMD operations both within or without the United States • Appraise the restrictions and legal limitations of using Title 10/Title 32 forces in specialized counter-WMD operations • Organize joint/coalition forces to perform WMD facility/site survey operations and disablement/disposal operations
	<p>Expert</p> <ul style="list-style-type: none"> • Engage the process of allocating air and space assets needed to detect and interdict WMD threats during military operations • Develop special operations forces and specialized DAF units to execute counter-WMD operations