

**BY ORDER OF THE COMMANDER  
AIR FORCE MATERIEL COMMAND**

**AIR FORCE MATERIEL COMMAND  
INSTRUCTION 90-204**



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**Command Policy**

**NUCLEAR ENTERPRISE MANAGEMENT**

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This instruction implements guidance from AFPD 13-5, *Air Force Nuclear Enterprise*. This Air Force Materiel Command Instruction (AFMCI) delineates responsibilities and establishes procedures for managing and overseeing Air Force Materiel Command's (AFMC's) role in the nuclear enterprise. This instruction applies to AFMC owned or gained assets and personnel. This publication does not apply to the Air National Guard (ANG) and the Air Force Reserve Command (AFRC) and their units.

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Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate chain of command.

**SUMMARY OF CHANGES**

This document includes significant changes that require complete review. This revision updates Major Command (MAJCOM) responsibilities implemented by HQ USAF Program Action Directive (PAD) 08-05, Implementation of the Secretary and Chief of Staff of the Air Force Direction to Execute Phase III of the Air Force Nuclear Weapon Center's Mission Alignment, and changes AF munitions maintenance impacted by HQ USAF PAD 11-02, Implementation of the Secretary of the United States Air Force and Air Force Chief of Staff Direction to Transfer Operational Nuclear Munitions Squadrons (MUNS) from Air Force Materiel Command to Air

Force Global Strike Command. Additionally, revision accounts for changes within HQ AFMC (5 Center Construct) and HQ AFMC/A4 organizational structure.

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## Chapter 1

### INTRODUCTION

**1.1. Purpose.** This instruction establishes the roles and responsibilities to ensure Air Force Materiel Command provides effective stewardship of the nuclear enterprise. This instruction provides a framework for AFMC to efficiently and effectively manage, control and integrate all functions of the Air Force nuclear enterprise for which it is responsible. This instruction also captures AFMC organizational equity in the nuclear enterprise.

1.1.1. AFMC manages the people, organizations, processes, procedures and systems used to conduct, execute and support nuclear deterrence operations within the command. Included are infrastructure and life-cycle activities for nuclear weapons, delivery platforms and supporting systems; intellectual and technical competencies; and the cultural mindset that ensures sustainable, responsive, safe, secure and effective Air Force nuclear systems. In addition, it includes development and adherence to nuclear policy and guidance, and relationships with other entities who contribute to the Nation's nuclear deterrence mission. AFMC's nuclear responsibilities cut across all centers. Every decision by program managers, testers, maintainers and others has a potential impact on nuclear surety.

**1.2. Air Force Materiel Command (AFMC).** The command will organize, train and equip to execute the life-cycle management support functions necessary to acquire, modernize and sustain nuclear systems and their support systems.

1.2.1. AFMC has two substantial responsibilities in the nuclear arena. First, AFMC has a special nuclear support mission as a stockpile manager for active, inactive and retired nuclear resources. Second, as a provider of worldwide life-cycle support for systems and products, AFMC is the vital "first link" in nuclear surety and accountability.

## Chapter 2

### HQ AFMC DIRECTORATE'S ROLES AND RESPONSIBILITIES

**2.1. Air Force Materiel Command.** Numerous AFMC organizations have equity in the nuclear enterprise. Most nuclear enterprise mission responsibilities will require close coordination between multiple AFMC headquarters organizations and centers. Additionally, AFMC's Nuclear Integration Council (NIC) will review and guide AFMC efforts in achieving goals and meeting objectives stemming from AF-level strategies.

2.1.1. AFMC/CC will certify and decertify nuclear capable units IAW AFI 13-503 AFMC Sup 1, *Nuclear-capable Unit Certification, Decertification & Restriction Program*.

2.1.2. AFMC/CV will chair the AFMC NIC IAW its charter, included as Attachment 2.

**2.2. Headquarters AF Materiel Command, Directorate of Manpower, Personnel and Services (HQ AFMC/A1) will:**

2.2.1. Provide necessary personnel information and products in support of HQ AFMC/A10 management of the Command Personnel Reliability Program (PRP) and Nuclear Surety Staff Assistance Visits (NSSAVs).

2.2.2. Coordinate with servicing personnel office and AF Personnel Center to ensure applicable personnel actions are implemented to transition employees to new or existing organizations.

2.2.3. Ensure any Office Symbol Code changes or additions are submitted to AF/A1M.

2.2.4. Ensure any Personnel Accounting Symbol changes are processed as required.

2.2.5. Review any proposed organizational structures to ensure compliance with standardized organizational structures or higher headquarters guidance.

2.2.6. Facilitate AFMC's Nuclear-coded billet identification/management.

2.2.7. Participate in the AFMC POM process and pertinent AFMC Panel to be the HQ AFMC functional representative for manpower requirements pertaining to their areas of expertise within the nuclear enterprise.

**2.3. Headquarters AF Materiel Command, Directorate of ISR and Requirements (HQ AFMC/A2/5) will:**

2.3.1. Participate in pertinent AFMC Panels as the HQ AFMC functional representative for funding requirements pertaining to their areas of expertise within the nuclear enterprise.

2.3.2. Provide intelligence supportability assessments for nuclear weapon systems and platforms across the acquisitions and sustainment life cycle in order to more seamlessly develop and sustain war-fighting systems.

2.3.3. Serve as Co-Chair of Development Planning (DP) Board and Council to enable corporate oversight of all DP including nuclear DP efforts.

2.3.4. Support the HQ AFMC Nuclear Surety Staff Assistance (NSSAV) Team IAW MAJCOM guidance, to include providing subject-matter experts (SME), policy review and root cause analysis (RCA) follow up.

**2.4. Headquarters AF Materiel Command, Directorate of Air, Space and Information Operations (HQ AFMC/A3) will:**

2.4.1. Be the focal point for the New START Treaty (NST) unit compliance inspection protocols. In addition, be the focal point to implement the following treaties with significant AFMC impact: the Chemical Weapons Convention (CWC); the Treaty on Open Skies; and the Additional Protocol to the Comprehensive Safeguards Agreements.

2.4.2. Establish and implement procedures within AFMC to ensure compliance by AFMC units of international treaty legal obligations per AFI 16-601, *Implementation of, and Compliance with, International Arms Control and Nonproliferation Agreements*.

2.4.3. Establish and implement procedures within AFMC to comply with the following AFIs: AFI 16-604, *Implementation of, and Compliance with, the Treaty on Open Skies*; AFI 16-605, *Implementation of the U.S.-International Atomic Energy Agency Integrated Safeguards Agreements*; AFI 16-608, *Implementation of, and Compliance with, the New START Treaty*; and AFI 16-609, *USAF Implementation of and Compliance with the Chemical Weapons Convention*.

2.4.4. Support the HQ AFMC NSSAV Team IAW MAJCOM guidance, to include providing SMEs, policy review and RCA follow up.

2.4.5. Participate in the pertinent AFMC Panel as the HQ AFMC functional representative for funding requirements pertaining to their areas of expertise within the nuclear enterprise.

**2.5. Headquarters AF Materiel Command, Directorate of Logistics and Sustainment (HQ AFMC/A4).** HQ AFMC/A4 provides policy guidance, management and oversight of the AF conventional and nuclear weapon inventory, maintenance and supporting programs. HQ AFMC/A4 also directs logistics activities for supply, transportation, logistics planning and infrastructure support for nuclear weapons, munitions and nuclear weapon systems. HQ AFMC/A4 is the OPR for AFMC nuclear support policy.

**2.5.1. HQ AFMC/A4 will:**

2.5.1.1. Support the HQ AFMC NSSAV Team IAW MAJCOM guidance, to include providing SMEs, policy review and RCA follow up.

2.5.1.2. Participate in the pertinent AFMC Panel as the HQ AFMC functional representative for funding requirements pertaining to their areas of expertise within the nuclear enterprise.

2.5.1.3. Retain responsibility for the management and oversight of assigned Outcome Capabilities, established by the Nuclear Logistics Surety Executive Board. These Outcome Capabilities were designed to facilitate the reinvigoration of the nuclear enterprise and ensure nuclear weapon system surety. Each Outcome Capability is composed of solutions and action items required to implement and sustain the Outcome Capability.

**2.5.2. HQ AFMC/A4, Depot Operations Division (HQ AFMC/A4D)** has the functional responsibility for AFMC depot operations. Regarding AFMC's nuclear mission, HQ AFMC/A4D will:

2.5.2.1. Serve as Functional Advocate for Nuclear Weapons-Related Materiel (NWRM) Depot Maintenance Command Standard Systems.

2.5.2.2. Be responsible for organic and contract depot maintenance policy associated with nuclear systems and resources. HQ AFMC/A4D will ensure all organic and contract depot maintenance policy is compliant with NWRM policies and AFI 20-110, *Nuclear Weapons-Related Materiel Management*.

2.5.2.3. Coordinate and interface with 309th Missile Maintenance Group (MMXG) and appropriate AFMC depot maintenance organizations relating to nuclear system issues.

2.5.2.4. Coordinate with HQ AFMC/A4M to resolve day-to-day logistics issues.

**2.5.3. HQ AFMC/A4, Maintenance Division (HQ AFMC/A4M)** establishes policy and provides guidance and logistics support for AFMC aircraft, engines, munitions, support equipment and Test Measurement and Diagnostic Equipment (TMDE) maintenance. They are responsible for AFMC base-level aircraft and munitions maintenance policy. They oversee AFMC's worldwide conventional and nuclear munitions product support and sustainment other than as listed under Air Force Nuclear Weapons Center (AFNWC) responsibilities. In coordination with the AFNWC, HQ AFMC/A4M will:

2.5.3.1. Provide nuclear policy for AFMC maintenance and munitions units. This is done in coordination with the AFMC 2W2 Functional Manager, located at the AFNWC/LG, and the AFMC 2M0 Functional Manager, located within the 309 MMXG at Ogden Air Logistics Complex (OO-ALC).

2.5.3.2. Develop and issue Maintenance Capability Letters (MCLs) IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*.

2.5.3.3. Provide oversight for AFMC nuclear munitions personnel, policy, procedures, resources and training.

2.5.3.4. Delegate in writing 2W2 and 2M0 MAJCOM Functional Management (MFM) responsibility and authority to the appropriate 2W2 and 2M0 at AFNWC and OO-ALC. Retain HQ AFMC functional management responsibility and integrate the 2W2 and 2M0 career fields within headquarters MFM processes.

2.5.3.5. Support NSSAVs, Initial Nuclear Surety Inspections (INSIs), and Nuclear Surety Inspections (NSIs) as requested and IAW applicable AFI guidance.

2.5.3.6. Support AFMC Functional Managers with evaluating/validating IG deficiencies IAW AFI 90-201, *The Air Force Inspection Program*.

2.5.3.7. Provide support to AFMC's 2W and 2M Functional Managers on AFI 10-201, *Status of Resources and Training System* and AFI 10-401, *Air Force Operations Planning and Execution*.

2.5.3.8. Provide AFMC headquarters functional advocacy for AFMC nuclear-related issues.

2.5.3.9. Establish policy and provide guidance to the field and appropriate centers on the development of Life Cycle Sustainment Plans (LCSPs) for Nuclear Support Equipment (N-SE) they manage and sustain.

2.5.3.10. Consolidate N-SE LCSPs from all applicable centers and coordinate with AFNWC to create and maintain an overarching way ahead on N-SE.

2.5.3.11. Chair semi-annual N-SE Program Management Review (PMR) with the AFNWC and applicable ALCMC organization. Normally, the PMRs will be held the second week of July and January. Organizations will provide PMR and metric data slides summarizing project status, risk, concerns and future status NLT the 5th day of July and January.

2.5.3.12. Ensure appropriate inspection criteria/compliance is in place for nuclear mission. HQ AFMC/A4M will receive all inspection results and corrective actions via AFNWC/LG from units. **Note:** Findings will need to be closed IAW guidance provided by applicable inspection agency.

2.5.3.13. In coordination with AFNWC/LG, develop/review Logistics Compliance Assessment Program (LCAP)/NSI checklists, and validate critical and significant nuclear inspection deficiencies in support of HQ AFMC/IG.

**2.5.4. HQ AFMC/A4, Systems Integration Division (HQ AFMC/A4N) will:**

2.5.4.1. Provide portfolio management for NWRM specific data systems/tools. As applicable to the nuclear enterprise, HQ AFMC/A4N will retain the management responsibilities for:

2.5.4.1.1. NWRM Positive Inventory Control (PIC) Fusion Tool.

2.5.4.1.2. AF-Distribution Standard System (AF-DSS).

2.5.4.1.3. Product Lifecycle Management System (PLMS)

**2.5.5. HQ AFMC/A4, Logistics Readiness Division (HQ AFMC/A4R) will:**

2.5.5.1. Provide supply chain management policy and procedures supporting the nuclear mission.

2.5.5.2. Provide appropriate logistics planning in support of the nuclear mission.

2.5.5.3. Manage vehicle and NWRM transportation and cargo policy requirements.

2.5.5.4. Identify NWRM roles and responsibilities for supply and transportation entities.

2.5.5.5. Provide direction and oversight of capability development enabling Positive Inventory Control of NWRM.

2.5.5.6. Provide direction and oversight of demilitarization/disposal program for the nuclear enterprise.

2.5.5.7. Coordinate with the National Museum of the United States Air Force (NMUSAF) on accountability, storage, render safe, demilitarization and disposition for NWRM items that are part of the historic property collection of the USAF Heritage Program.

2.5.5.8. Provide quarterly NWRM metrics required by SAF/US(M)X for the Air Force Senior Leader Dashboard (AFSLD). NWRM metrics include: DEMIL/Disposal Burn Down Plan, NWRM Process Deviations, NWRM IUID Marking Burn Down Plan, and NWRM Inventory Accuracy.

**2.6. Headquarters AF Materiel Command, Directorate of Communications, Installations and Mission Support (HQ AFMC/A6/7).** The Directorate of Communications, Installations and Mission Support is responsible to deliver quality facilities, environmental and emergency services, communications and information systems, and force protection and readiness measures to sustain expeditionary capabilities and agile combat support. The Directorate plans, programs and oversees infrastructure construction, maintenance and support for nuclear weapons, munitions and nuclear weapon systems. The Directorate guides and oversees Explosive Ordnance Disposal, Emergency Management, Security Forces and Fire Emergency Services programs. Additionally, the HQ AFMC/A6/7 provides AF and AFMC emergency response guidance and direction to respond to natural and man-made disasters and crises to include nuclear weapons accidents and responses.

**2.6.1. HQ AFMC/A6/7 will:**

2.6.1.1. Support the HQ AFMC NSSAV Team IAW MAJCOM guidance, to include providing SMEs, policy review and RCA follow-up.

2.6.1.2. Coordinate on AFMC supplemental checklists IAW AFI 90-201, *The Air Force Inspection Program*.

2.6.1.3. Participate in the pertinent AFMC Panel as the HQ AFMC functional representative for funding requirements pertaining to their areas of expertise within the nuclear enterprise.

2.6.1.4. Be the HQ AFMC functional representative for funding issues pertaining to their areas of expertise concerning nuclear surety.

2.6.1.5. Ensure properly identified Explosive Ordnance Disposal (EOD), facility maintenance, upgrade, and Military Construction requirements are appropriately stated and included in Command budget submissions.

2.6.1.6. Ensure nuclear-related security requirements are appropriately stated and included in Command budget submissions.

2.6.1.7. Coordinate with appropriate Core Function Lead Integrators (CFLI) to include: Air Force Global Strike Command's Nuclear Deterrence Operations and Air Force Materiel Command's Agile Combat Support. Coordination ensures Service Core Functions (SCF) and Core Function Master Plans (CFMP) are integrated into HQ AFMC/A7 project programming for AFMC facilities requirements.

**2.6.2. HQ AFMC/A70, Chief, CE Operations (HQ AFMC/A70) will:**

2.6.2.1. Oversee AFMC/AFNWC Nuclear Response Task Force planning, management and resourcing.

2.6.2.2. Serve as Command focal point for EOD, Emergency Management, and Fire Emergency Services emergency response planning and management.

2.6.2.3. Support NSSAV and NSIs requirements as necessary.

2.6.2.4. Provide EOD, Emergency Management and Fire Emergency Services liaison and coordination with AF/A7C, Air Force Civil Engineer Center (AFCEC), AFGSC and AFNWC.

**2.6.3. HQ AFMC/A7N, Chief, Engineering (HQ AFMC/A7N) will:**

- 2.6.3.1. Serve as the command facilities SPM.
- 2.6.3.2. Appoint a Nuclear Certification Manager to support facilities SPM efforts to include NCIS submissions, etc.

**2.6.4. HQ AFMC/A7S, Chief, Security Forces (HQ AFMC/A7S) will:**

- 2.6.4.1. Provide security liaison and coordination with AF/A7S and the Air Force Security Forces Center (AFSFC).
- 2.6.4.2. Collect and provide oversight and coordination on all Kirtland Underground Munitions Maintenance Storage Complex (KUMMSC) security deviations and remediation plans.
- 2.6.4.3. Provide the Nuclear Security Roadmap to AF/A7S.

**2.7. Headquarters AF Materiel Command, Directorate of Strategic Plans, Programs and Analysis (HQ AFMC/A8/9) will:**

- 2.7.1. Provide guidance/instructions for Program Objective Memorandum (POM), Amended Program Objective Memorandum (APOM) and other programming efforts.
- 2.7.2. Participate in the pertinent AFMC Panel to be the HQ AFMC functional representative for funding requirements pertaining to their areas of expertise within the nuclear enterprise.
- 2.7.3. Be the focal point for the use of innovative concepts, process reengineering, integrating information and decisions systems, and fostering change management in support of developing, fielding and sustaining war-winning expeditionary capabilities.
- 2.7.4. Establish liaison and interface with AFGSC/A9 and AFNWC/EN analysis organizations to ensure cross-communication of analysis and assessment issues.
- 2.7.5. Partner with HQ AFMC/A10 to conduct AF-wide and AFMC-wide nuclear enterprise assessments.
- 2.7.6. Assist with Command-wide and functional assessments of current and future nuclear plans, operations, logistics and sustainment requirements.
- 2.7.7. Update special access accounts for HQ AFMC A8/9 personnel.

**2.8. Headquarters AF Materiel Command, Directorate of Strategic Deterrence and Nuclear Integration (HQ AFMC/A10).** The Directorate of Strategic Deterrence and Nuclear Integration is the principal staff advisor to AFMC/CC and senior staff on nuclear activities with AFMC equity. The Directorate provides program oversight, advocacy and Command policy for nuclear activities. The Directorate is HQ AFMC's focal point for the nuclear enterprise. The Directorate plans and executes NSSAV support to AFMC nuclear-capable units IAW AFIs and applicable guidance. HQ AFMC/A10 collaborates with HAF, HQ AFMC staff the PEOs for Strategic Systems and Fighter-Bomber and centers to ensure corporate advocacy, cradle-to-grave stewardship, life-cycle management and sustainment of AF nuclear weapons.

**2.8.1. HQ AFMC/A10 will:**

- 2.8.1.1. Review, analyze and shape AFMC Nuclear Weapons sustainment policy and force structure.
- 2.8.1.2. Serve as OPR for the AFMC Nuclear Issues Council (NIC) and chair the Nuclear Issues Working Group (NIWG).
- 2.8.1.3. Represent the Command at the Nuclear Working Group (NWG), serve as the OPR for the Nuclear Issues Resolution and Integration (NIRI) Board and Nuclear Oversight Board (NOB), and attend the NIRI and NOB as directed by AFMC/CC/CV.
- 2.8.1.4. Manage all AFMC-initiated requirements within the Nuclear Enterprise Management Tool (NEMT). HQ AFMC/A10 will be the single point of entry into the NEMT for MAJCOM specific inputs and will coordinate with HAF/A10 regarding issues addressed within the NEMT.
- 2.8.1.5. Advocate AFMC inputs to AF/A10 for the NIRI and NOB.
- 2.8.1.6. Be the lead for AFMC nuclear-related communications plans.
- 2.8.1.7. Facilitate/advocate for AFMC nuclear policy and procedures.
- 2.8.1.8. Develop implementation plans for nuclear-related Program Action Directives.
- 2.8.1.9. Advocate for AFMC nuclear funding priorities. (See Attachment 4).
- 2.8.1.10. Be the MAJCOM lead for the NSSAV Program and the focal point for team composition for NSSAVs. Lead, plan and fund HQ AFMC NSSAV team to travel and assist AFMC nuclear units to improve and standardize nuclear surety programs per AFI 91-121, *Nuclear Surety Staff Assistance Visits*, AFMC Sup 1.
- 2.8.1.11. Monitor nuclear certification actions for facilities and support equipment in coordination with HQ AFMC/SE and AFNWC/SU.
- 2.8.1.12. Monitor/track weapon status, Electronic Technical Assistance Request (ETAR) System, and DULL SWORD reports.
- 2.8.1.13. Manage the Command PRP and act as the liaison between AF/A10-O and AFMC.
- 2.8.1.14. Ensure all AFMC organizations with equity in the nuclear enterprise coordinate as appropriate on all actions regarding AFMC's nuclear mission.
- 2.8.1.15. Review command nuclear Strategic Communication plans.
- 2.8.1.16. In coordination with HQ AFMC/A3, provide New START Treaty policy development, programming and implementation.
- 2.8.1.17. Coordinate Nuclear Posture Review implementation for AFMC.
- 2.8.1.18. Perform as AFMC Corporate Process functional advocate and oversee programming development for AF Nuclear Panel Program Elements. Advocate for nuclear equity in other panels as appropriate. Be AFMC's Nuclear MILCON advocate.
- 2.8.1.19. Coordinate AFMC budget year of execution implementation for nuclear equity across the AFMC Corporate Process.

- 2.8.1.20. Provide Air Force Comprehensive Assessment for Nuclear Sustainment (AFCANS) study reports expertise.
- 2.8.1.21. Coordinate Nuclear Policy development.
- 2.8.1.22. Retain and provide Intercontinental Ballistic Missile (ICBM), bomber, cruise missile and nuclear stockpile Subject Matter Expertise.
- 2.8.1.23. Manage AFMC's Key Nuclear Billets in coordination with HQ AFMC/A1.
- 2.8.1.24. Accomplish command 21M MAJCOM Functional Manager duties.
- 2.8.1.25. Be the AFMC OPR to support the AFNWC in performing its Nuclear Weapons Storage Infrastructure (NWSI) Principal Integrator role. HQ AFMC/A10 will facilitate the construction of the annual NWSI status briefing to the NIRI as required.
- 2.8.1.26. Be AFMC point of contact (POC) for Nuclear Command, Control and Communications (NC3).
- 2.8.1.27. Be AFMC OPR for Nuclear Enterprise PADs and Programming Plans (PPLANs). Oversees AFMC efforts to comply with Nuclear Enterprise PADs and PPLANs.
- 2.8.1.28. Manage AFMC Professional Continuing Education training/requirements. HQ AFMC/A10 will serve as the command POC for identifying and registering command personnel attendance to Nuclear Professional Continuing Education courses (e.g., Nuclear 200 – Nuclear Fundamentals Course; Nuclear 300 -Advanced Nuclear Concepts Course; Nuclear 400 – Senior Leader Management Course). Serve as the HQs POC to schedule/coordinate AF Nuclear Management Executive Seminar presentations at HQ AFMC. Compile/coordinate HQ AFMC, AFSC, AFLCMC and ALC Nuclear Certification Process-related annual MTT training requirements and provide requirements to the Air University Counterproliferation Center Operating Location (AU/CPC-OL) Director NLT 30 Jun of each year for the following fiscal year. See Attachment 3 for further information regarding the administration of the AFNWC Nuclear College.
- 2.8.1.29. Manage AFMC hedge planning efforts to ensure compliance with Air Force and Combatant Commander guidance and directives.

**2.9. Headquarters AF Materiel Command, Directorate of Engineering and Technical Management (HQ AFMC/EN) will:**

- 2.9.1. Address all science and engineering manpower and organization issues.
- 2.9.2. Develop and Implement Systems Engineering and Technical Management Policy.
- 2.9.3. Assist the AFNWC in assuring all Scientific and Technical requirements are met by AFNWC personnel for position management.
- 2.9.4. Participate in the pertinent AFMC Panel as the HQ AFMC functional representative for funding requirements pertaining to their areas of expertise within the nuclear enterprise.
- 2.9.5. Support Operational Safety, Suitability and Effectiveness (OSS&E) Deficiency Reporting, and provide appropriate technical assistance for the nuclear mission.

**2.10. Headquarters AF Materiel Command, Directorate of Financial Management (HQ AFMC/FM) will:**

- 2.10.1. Be the HQ AFMC focal point to address all financial management issues and be the primary financial advisor to AFMC/CC.
- 2.10.2. Provide financial execution plan guidance and other execution year efforts.
- 2.10.3. Participate with appropriate AFNWC Panel as the HQ AFMC functional representative for funding requirements within the nuclear enterprise.
- 2.10.4. Coordinate with AFNWC on all AFMC O&M Unfunded Nuclear Requirements.

**2.11. Headquarters AF Materiel Command, Office of the Inspector General (HQ AFMC/IG) will:**

- 2.11.1. Conduct NSIs, INSIs, Logistics Compliance Assessment Program (LCAPs) and LNSIs for all applicable AFMC nuclear-capable units.
- 2.11.2. Validate all critical and significant inspection deficiencies with appropriate HQ AFMC functional prior to report completion.
- 2.11.3. Provide data on significant nuclear-related inspection issues and trend analysis to the NIWG and NIC.
- 2.11.4. Develop and coordinate HQ AFMC functional supplemental NSI checklists.
- 2.11.5. Participate in the pertinent AFMC Panel to be the HQ AFMC functional representative for requirements pertaining to their areas of expertise within the nuclear enterprise.
- 2.11.6. Support nuclear-related Logistics Compliance Assessment Team (LCAT) Evaluations.
- 2.11.7. Be responsible for ensuring proper planning, execution, and reporting of AFMC's LCAP. AFMC LCAP will provide a single, integrated and standardized interface to the inspected units for LCAP inspections.
- 2.11.8. Be the OPR for the AFMC Supplement to AFI 20-111, *Logistics Compliance Assessment Program*, on specific AFMC requirements and processes. Additionally, HQ AFMC/IGL will supplement LCAP checklists with AFMC directives. AFMC LCAP will be established IAW AFI 20-111 and any other directives, policies and guidance.
- 2.11.9. Provide data on significant NWRM and nuclear-related LCAP inspection issues and analysis to the NIWG and NIC. Note: Refer to AFMC Supplement to AFI 90-201, The Air Force Inspection Program, paragraph 2.10.2. for the IG inspection gatekeeper process.

**2.12. Headquarters AF Materiel Command, Office of the Staff Judge Advocate (HQ AFMC/JA) will be the HQ AFMC focal point to address all legal issues.****2.13. Headquarters AF Materiel Command, Directorate of Contracting (HQ AFMC/PK) will:**

- 2.13.1. Be the HQ AFMC focal point to address all contracting issues, and be the primary business advisor to AFMC/CC.

2.13.2. Exercise Senior Contracting Official responsibility and flow down all delegable Head of Contracting Activity and Senior Center Contracting Official authority to AFNWC IAW applicable acquisition laws and regulations, and all other contracting responsibilities IAW the Federal Acquisition Regulation as supplemented.

**2.14. Headquarters AF Materiel Command, Directorate of Safety (HQ AFMC/SE).** Serves as the MAJCOM OPR for nuclear surety matters and is the principal staff advisor to AFMC/CC and senior staff on all nuclear surety matters. The Directorate provides program oversight, advocacy and Command policy for nuclear surety and serves as HQ AFMC's nuclear surety liaison to Air Staff, COCOMs and MAJCOMs. Additionally, the Directorate establishes a MAJCOM-unique nuclear surety program, provides guidance to subordinate units, product directorate safety monitors, systems program managers and assists other MAJCOM staffs with nuclear surety program requirements.

**2.14.1. HQ AFMC/SE will:**

2.14.1.1. When required, augment IG to conduct nuclear inspections.

2.14.1.2. Provide IG safety functional area NSI checklists from HAF.

2.14.1.3. Support the HQ AFMC NSSAV Team IAW MAJCOM guidance to include providing SMEs, policy review and RCA follow up.

2.14.1.4. Participate in the nuclear governance process as advocates for surety resourcing.

2.14.1.5. IAW AFMC Guidance Memorandum to AFI 63-125, *Nuclear Certification Program*, serve as the command focal point for nuclear certification processes to include Nuclear Certification Impact Statements, Certification Requirements Plans, and INSI determinations.

2.14.1.6. Check adequacy and completeness of nuclear mishap reports and corrective actions for nuclear surety discrepancies.

2.14.1.7. Be the AFMC focal point for nuclear "flagword" reporting.

2.14.1.8. Review and shape AFMC Nuclear Surety policy and act as liaison between Air Force Safety Center (AFSEC) and AFMC.

2.14.1.9. Provide installation weapons safety offices with trending and nuclear surety information to enhance their nuclear surety programs.

2.14.1.10. Be the HQ AFMC single point of contact for matters pertaining to nuclear surety.

2.14.1.11. Participate in the Air Force Nuclear Weapon System Safety Group (NWSSG) IAW AFI 91-101, *Air Force Nuclear Weapons Surety Program*.

2.14.1.12. Collect, provide oversight and coordination on all nuclear surety-related deviations and remediation plans.

**2.15. Headquarters AF Materiel Command, Office of the Command Surgeon (HQ AFMC/SG) will:**

2.15.1. Manage the medical aspect of the Command PRP and act as a liaison between AF/A10-O and AFMC.

2.15.2. Support the HQ AFMC NSSAV Team IAW MAJCOM guidance, to include providing SMEs, policy review and RCA follow up.

2.15.3. Provide IG with AFMC supplemental checklists IAW AFI 90-201, *The Air Force Inspection Program*.

2.15.4. When required, augment IG to conduct NSIs and HQ AFMC NSSAV Team.

## Chapter 3

### AFMC CENTER ROLES AND RESPONSIBILITIES

**3.1. Air Force Nuclear Weapons Center (AFNWC).** The AFNWC is the AF's centralized agency for sustainment of nuclear weapons across the nuclear enterprise. The mission of the AFNWC is to ensure safe, secure and effective nuclear weapons to support the National Command Structure and the AF warfighter. AFNWC is responsible for the full range of AF nuclear weapons support functions, including nuclear ordnance materiel management; warhead modernization acquisition and weapons sustainment; resolution of weapon maintenance issues; stockpile planning/management; and engineering support for nuclear certification of delivery systems, support equipment and facilities. As designated in AFI 20-110, *Nuclear Weapons-Related Materiel Management*, AFI 20-110 AFMC Supplement 1, AFI 63-125, *Nuclear Certification Program*, and applicable 21-200 series instructions, AFNWC is responsible for the effective stewardship of the Air Force nuclear stockpile, including maintenance, storage and accountability. Additionally, the AFNWC will be responsible for leading nuclear weapons Project Officer Groups (POGs), as well as ICBM, nuclear cruise missile, B-52 Bomber Weapons Interface Equipment (BWIE) sustainment activities and B-2 BWIE engineering and technical management support.

#### 3.1.1. AFNWC will:

- 3.1.1.1. Be the single manager for sustainment of assigned nuclear weapons, cruise missiles and reentry vehicles/systems maintenance and accountability.
- 3.1.1.2. Coordinate with the Program Executive Officer, Strategic Systems (AFLCMC/SS) to provide required center support to nuclear acquisition programs, ensure sustainment considerations are incorporated into acquisition plans and ensure proper synchronization between DoD and DOE acquisition programs.
- 3.1.1.3. Be the funding advocate for integrated AF nuclear sustainment.
- 3.1.1.4. Provide program, product, and systems management for assigned AF nuclear weapons, ICBMs, cruise missiles and air-delivered nuclear weapons interface and weapons trainers in sustainment activities. Serve as Air Force Service Logistics Agent for nuclear weapons under AF control.
- 3.1.1.5. Implement the AF Nuclear Certification Program as the AF independent review agency IAW AFI 63-125, *Nuclear Certification Program*. Coordinate and support, as necessary, nuclear certification of non-US North Atlantic Treaty Organization (NATO) operational nuclear-capable aircraft systems and associated support equipment.
- 3.1.1.6. Manage AF nuclear weapons stockpile stewardship, including warhead development, acquisition, sustainment, integration and Use Control.
- 3.1.1.7. Provide guidance and prioritization for nuclear weapons systems testing and support program management.
- 3.1.1.8. Chair the AFMC Nuclear Panel, managing panel responsibilities to the AFMC Corporate Structure and oversee programming development for assigned Nuclear Panel Program Elements.

- 3.1.1.9. Provide independent engineering analysis and assessment of nuclear weapons and weapon systems to include weapon effects, mission assurance and weapon system certification.
- 3.1.1.10. Serve as conduit between Science and Technology (S&T) and MAJCOM via concept development, technology transition, analysis and acquisition support for Counter-Chemical, Biological, Radiological and Nuclear (C-CBRN) programs. Interfaces with US Allies in the C-CBRN mission area, including technical collaborations with the United Kingdom (UK) thru the UK-AF-07-9045 Information Exchange Annex, NATO's Aerospace Capabilities Group 2 and Agent Defeat Working Group to ensure appropriate technical risk/cost sharing amongst NATO countries involved in C-CBRN missions.
- 3.1.1.11. Provide environmental impact analysis and related environmental planning and hazardous materials management for nuclear weapon systems.
- 3.1.1.12. Provide AFMC's technical support to Response Task Force (RTF) operations and command and control support to the RTF for nuclear accidents/incidents for assets under their control.
- 3.1.1.13. Participate in MAJCOM and USAF S&T planning processes to provide guidance and align the USAF S&T portfolio with AFNWC technology needs. Support MAJCOM development of S&T guidance documents and maintain insight into S&T programs in support of current and future nuclear cruise missile and strategic missile systems; nuclear hardness and survivability; nuclear safety; nuclear command, control and communications; logistics; security; support equipment; and testing.
- 3.1.1.14. Conduct research, development and testing activities to advance nuclear weapon environmental design criteria and define Stockpile-to-Target Sequence environments.
- 3.1.1.15. Provide nuclear safety, security and compatibility design guidance for nuclear weapon/weapon systems and engineering consulting to system program offices and product support centers.
- 3.1.1.16. Support program management, test, and evaluation, as required, to implement the AFMC and AF Nuclear Surety Program.
- 3.1.1.17. Augment HQ AFMC, DTRA, AFGSC/IG, USAFE/IG, ACC/IG, Air Force Inspection Agency (AFIA) and AFSEC with technical experts, as required.
- 3.1.1.18. Provide the Center Test Authority for nuclear developmental and operational test planning and coordination.
- 3.1.1.19. Provide Executive POG and Subgroup Chairs as required, and AFMC voting member to gravity weapon/warhead POGs.
- 3.1.1.20. Provide study and analysis support to COCOMs/MAJCOMs upon request.
- 3.1.1.21. Serve as the Principal Integrator for Nuclear Weapons Storage Infrastructure (NWSI) as outlined in AFI 13-505.
- 3.1.1.22. Maintain for AFMC a 24/7/365 Sustainment and Technical Integration Center (STIC). The STIC is the oversight, synchronization, advocacy, and integration focal

point for all AFNWC mission areas ensuring safe, secure, reliable, effective and accountable nuclear weapon systems to support the National Command Structure and the Combatant Commands (COCOM). The STIC performs the following functions to assist the nuclear enterprise and to provide technical direction and sustainment assistance during day-to-day nuclear operations, exercises, and evaluations, as well as reach back and support for all nuclear/radiological accidents/incidents.

3.1.1.22.1. Maintain constant, 24/7/365 situational awareness of nuclear weapons and NWRM through Mission Monitoring and Information Management (IM). Track the kind, condition, count and location of nuclear weapons and NWRM.

3.1.1.22.2. Monitor current status of assigned units and supported forces along with their resources. Provide information to assist in allocating/moving forces and materiel. Take action within parameters established by the AFNWC Commander.

3.1.1.22.3. Apply knowledge and information to accurately assess and mitigate risk, anticipate challenges, develop or support contingency actions and operations.

3.1.1.22.4. Coordinate with Task Forces 204/214; exercise Direct Liaison Authority (DIRLAUTH) as required.

3.1.1.22.5. Provide 24/7 customer service response capability for Nuclear Weapon (NW)/NWRM and associated system technical expertise to Numbered Air Forces (8/20AF) and Task Forces (TF204/214). Give advisory support to 8 AF & 20 AF Commanders on nuclear stockpile status and operational issues associated with ICBM and bomber NW sustainment.

3.1.1.22.6. Support RTFs within the Department of Defense (DoD) for nuclear accidents/incidents world-wide, as required.

3.1.1.22.7. Supply immediate SME and technical support to nuclear and C-CBRN community to include the National Military Command Center Threat Conference, Initial Response Force Commanders, Response Task Force Commander, ICBM Missile Potential Hazard (MPH) contingency requirements, and other emergency situations as needed.

3.1.1.22.8. Serve as the command and control hub for the AFNWC Commander and his staff.

3.1.1.22.9. Maintain an assured communications infrastructure over the full range of classified and unclassified systems in order to provide the AFNWC Commander with 24/7/365 communications and reporting capabilities with higher headquarters elements and field units.

3.1.1.22.10. The AFNWC STIC will support the AFNWC Principal Integrator and serve as a round-the-clock point of contact for all NWS stakeholders in support of NWSI integration. The AFNWC STIC will provide support and reach back capabilities for all NWSI stakeholders on issues requiring immediate resolution. The STIC will monitor the Master Nuclear Certification List (MNCL) for the status of NWSI.

3.1.1.23. Provide AFMC MAJCOM Functional Manager (MFM) for the 61D Nuclear Engineer Officer career field. HQ AFMC/EN retains Headquarters AFMC 61D

functional management responsibility. HQ AFMC/EN will delegate in writing 61D MFM responsibility and authority to the appropriate 61D at AFNWC. HQ AFMC/EN will integrate the 61D career field within headquarters MFM processes. Appointed 61D MFM will coordinate with HQ AFMC/EN and the Career Field Manager (CFM) on force development and retention management for the Nuclear Engineer workforce.

3.1.1.24. AFNWC/CC will coordinate on all 377 ABW NSI, LNSI and DNSI significant and critical deficiency correction action plans prior to submission to AFMC/IG.

**3.1.2. AFNWC, Directorate of Logistics (AFNWC/LG) will:**

3.1.2.1. Be the AFNWC Center Senior Functional (CSF) for Life Cycle Logistics IAW the CSF duties outlined in AFMCI 36-2645, *Senior Functional Roles and Responsibilities*. Serve as the AFNWC Logistics functional lead providing governance, oversight and integration across all AFNWC managed nuclear weapons systems and nuclear weapons support systems.

3.1.2.2. Provide AFMC MFM for 2W2 Nuclear Weapons enlisted personnel career field. HQ AFMC/A4 retains Headquarters AFMC 2W2 functional management responsibility. HQ AFMC/A4 will delegate in writing 2W2 MFM responsibility and authority to the appropriate 2W2 at AFNWC. HQ AFMC/A4 will integrate the 2W2 career field within headquarters MFM processes. Appointed 2W2 MFM will coordinate with HQ AFMC/A4 and the CFM on force development and retention management for the nuclear sustainment and maintenance enterprise workforce.

3.1.2.3. Be a member of all nuclear weapons Maintenance and Logistics Subgroups and participate in appropriate new acquisition subgroups (e.g. MC, STS, Warhead Working Group, etc.).

3.1.2.4. Be the logistics functional advisor to HQ USAF, MAJCOMs, COCOMs and Office of the Secretary of Defense (OSD) on direct attack nuclear weapons, cruise missile warheads and ICBM warheads.

3.1.2.5. Consolidate LCSPs for all N-SE and provide copies to AFMC/A4MW. Collaborate with HQ AFMC/A4 and responsible program managers to maintain a comprehensive way ahead for N-SE.

3.1.2.6. Through the STIC, provides AFNWC/CC with visibility of AF Service Logistics Agent activities including all nuclear weapons related shipments, Depot Source of Repair and Source of Repair Assignment Process management decisions.

3.1.2.7. Provide Nuclear Weapon System Supply Chain Management oversight and will be the single manager for all AF NWRM-coded materials, supply items, and equipment.

3.1.2.8. Be AFNWC review authority for cruise missiles, Reentry Vehicle/Reentry System and Weapon Storage and Security System (WS3) equipment Technical Orders (T.O.s).

3.1.2.9. Co-chair, with HQ AFMC/A4M, the semi-annual N-SE Program Management Review (PMR) with the AFNWC and applicable centers. Normally, the PMRs will be held the second week of July and January. The N-SE PMR provides a coordinated support equipment oversight program supporting AFNWC's role as focal point for N-SE.

- 3.1.2.9.1. Consolidate PMR inputs and metric data slides from AFNWC Directorates summarizing project status, risk, concerns and future status NLT the 5th day of July and January.
  - 3.1.2.9.2. Create and distribute semi-annual Nuclear Support Equipment report utilizing data from each PMR. Report will be released no later than 45 days after semi-annual PMR. Inclusion of specific N-SE in PMR and N-SE report will be based on input from HHQ, inspection results, known sustainment issues, or other criteria as determined by AFNWC/LG and HQ AFMC/A4M.
  - 3.1.2.10. In the role of nuclear weapons functional manager, in coordination with HQ AFMC/A4 and HQ AFMC/A10, validate critical and significant nuclear inspection deficiencies in support of HQ AFMC/IG prior to report completion, as requested.
  - 3.1.2.11. Author, edit, review and advocate for AFMC and subordinate nuclear weapon maintenance related policy and procedures.
  - 3.1.2.12. Monitor/track/analyze and brief status of nuclear related ETARs, Deficiency Reports, AFTO Form 22s and Unsatisfactory Reports.
  - 3.1.2.13. Maintain maintenance expertise on nuclear weapons, cruise missile and ICBMs to advise HQ USAF, MAJCOMs, COCOMs and OSD.
  - 3.1.2.14. Be the AFMC advocate for nuclear weapons, cruise missiles and ICBM maintenance training requirements.
  - 3.1.2.15. Serve as the command POC for NWRM list and scorecard process IAW AFI 20-110, *Nuclear Weapons-Related Materiel Management*, Chapter 3.
  - 3.1.2.16. Serve as the NWRM liaison between the Air Force and Department of Energy.
  - 3.1.2.17. Responsible for developing and meeting deactivation plan programmed objectives for Nuclear Enterprise DEMIL/Disposition plans. Advocates funding for Nuclear DEMIL/Disposal plan development or execution.
  - 3.1.2.18. Coordinate with Air Force Sustainment Center (AFSC), applicable System Program Office, and HQ AFMC/A4R for NWRM and non-NWRM supply chain processes.
  - 3.1.2.19. Serve as command POC for nuclear deactivation and demilitarization planning, processes, actions and execution.
  - 3.1.2.20. Create and maintain appropriate nuclear support equipment, demil and reports.
  - 3.1.2.21. Operate the STIC on behalf of the AFNWC/CC.
- 3.1.3. **AFNWC, Directorate of Safety, Security, and Infrastructure (AFNWC/SU) will:**
- 3.1.3.1. Assist MAJCOMs and other stakeholders in identification of specific NWSI infrastructure requirements.
  - 3.1.3.2. Be responsible for NWSI configuration control and managing the standardization of NWSI throughout their lifecycle. Configuration control is the process of establishing a known baseline configuration, ensuring change decisions are based on complete data (implementation, sustainment, etc.), fully coordinating change

recommendations through the NWSI Working Group, and documenting any changes to the baseline configuration.

3.1.3.3. Ensure standardization of NWSI infrastructure to the maximum extent practical given that many OCONUS facilities are owned by host nations. Assist owning MAJCOMs with determining project prioritization to meet mission requirements across the functional boundaries of safety, security, civil engineering, communications and maintenance activities in support of the AF nuclear mission.

3.1.3.4. Provide technical assistance and materiel solutions as needed across the functional boundaries of safety, security, civil engineering, communications and maintenance activities in support of the AF nuclear mission.

3.1.3.5. Co-sponsor case studies and assessments with owning MAJCOM to identify NWSI areas for improvement.

**3.1.4. AFNWC, Directorate of Intelligence, Program Development & Integration (AFNWC/XZ) will:**

3.1.4.1. Generate and assess alternatives in support of specific capability needs to determine outcome, cost and risk associated with investment alternatives. For non-Programs of Record (PORs) provide the decision makers an evaluation of alternatives to determine the outcome, cost, and risk associated with investment alternatives.

3.1.4.2. Request technical SMEs from ACC, AFGSC, and applicable centers within AFMC to assist in concept development and assessment.

3.1.4.3. Provide leadership for the evaluation of emerging capabilities and technologies to meet identified nuclear system requirements.

3.1.4.4. Translate high-level nuclear capability needs into system-level information, generate and analyze the alternative system concepts, and provide balanced estimates of effectiveness, performance, cost and risk to assist the stakeholders in selecting preferred concepts.

3.1.4.5. Manage and support efforts for industry base sustainment and evaluation of new technologies for future technology insertion into ICBMs and follow on systems in the areas of guidance, propulsion, command and control, and reentry vehicle applications and long-range planning.

3.1.4.6. Execute Development Planning (capability planning & analysis and concept development) in support of AFGSC and ACC to seamlessly plan for the acquisition of nuclear strategic deterrence weapon systems and C-CBRN systems:

3.1.4.6.1. Collect and integrate requirements with emerging capabilities and technologies in support of nuclear weapon system programs and C-CBRN programs.

3.1.4.6.2. Lead early phase activities, pre-materiel development decision through transition to a program office, technical evaluation and analysis in support of nuclear weapon systems and C-CBRN system acquisition/modernization efforts, to include the identification and prioritization of required S&T developments.

3.1.4.7. Fulfill the following four core Intelligence functions for the nuclear enterprise:

3.1.4.7.1. Acquisition Life Cycle Intelligence: Provide threat and supportability analyses for Research, Development, Test and Evaluation (RDT&E) and sustainment activities. Create integrated intelligence support for life cycle management processes and activities.

3.1.4.7.2. Sensitive Compartmented Information (SCI) Management: Provide guidance relating to the various security areas of responsibilities (e.g., Industrial, Physical and Personnel Security; Information System Security; Information Assurance; Information Security). Also provide implementation guidelines for SCI policy.

3.1.4.7.3. Intelligence Support to Force Protection: Coordinate with the local Office of Special Investigations (OSI) and 377 ABW Security Forces S2 office on force protection issues, provide required support to 377<sup>th</sup> authorities for determining local Force Protection Conditions (FPCON), and participate in Wing Threat Working Groups and Crisis Action Teams.

3.1.4.7.4. Intelligence Analysis: Provide current intelligence to senior leadership as well as tailored analysis on subjects of special interest.

3.1.4.8. Advocate and support current life cycle intelligence reengineering initiatives and related integrated product teams (IPTs). These IPTs are focused on continuous process improvement of intelligence support over the life cycle of a weapon system.

3.1.4.9. Manage and serve as single entry point for AFNWC Special Access Programs. Provide the "Assistant to the Commander for Special Programs."

**3.1.5. AFNWC, Directorate of Engineering (AFNWC/EN) will:**

3.1.5.1. Provide direct engineering advice and expertise across the enterprise as the science and engineering functional lead for product and logistics technology insertion, systems engineering, nuclear weapon system integrity, test and evaluation, engineering data, technical orders and software system support. Provide support of requirements, research, Technology Readiness Assessments, development, acquisition (e.g., Concept Characterization Technical Descriptions), integration, production, deployment, Program Support Reviews, sustainment, transportation, security, recapitalization and disposal of AF nuclear weapon systems.

3.1.5.2. Provide nuclear weapon system technical workforce development.

3.1.5.3. Provide guidance and oversight for Scientific and Technical Information (STINFO).

3.1.5.4. Provide guidance, support, and execution of the AFNWC Small Business Innovation Research program.

3.1.5.5. Serve as the single point for Test & Evaluation (T&E) and advisor on test issues. Maintain oversight of the center's T&E processes, by:

3.1.5.5.1. Assisting program managers and integrated test teams in developing their test programs. Act as the center T&E advocate for T&E policy, training and resources.

- 3.1.5.5.2. Advising center command staff on T&E policy and related issues, to include, but not limited to the certification of system readiness for operational testing according to AFMAN 63-119, *Certification of System Readiness for Dedicated Operational Test and Evaluation*.
- 3.1.5.5.3. Participating in program decision meetings (e.g. Acquisition Strategy Panels), Program Management Reviews, Configuration Control Boards, product improvement working groups, and test management councils as required.
- 3.1.5.5.4. Representing the center on T&E issues to HQ AFMC, USAF/TE, MAJCOMs, and other external agencies.
- 3.1.5.5.5. Assisting/advising Program Managers (PMs) and Integrated Test Teams (ITTs) in the development and review and approve T&E and related program documentation, to include integrated test strategies, concepts and plans.
- 3.1.5.5.6. Participating in Technical Review Boards (TRBs), Safety Review Boards (SRBs), and Test Readiness Reviews (TRRs) as required. Provide/coordinate independent technical and test safety risk assessments, and ensure appropriate participation and level of coordination/approval of TRBs and SRBs for all testing.
- 3.1.5.5.7. Overseeing the center's Responsible Test Organization (RTO) process, coordinate on ITT RTO recommendations to the PEO or designated representative, and inform HQ AFMC/A3 of all center RTO decisions on a periodic basis.
- 3.1.5.5.8. Supporting PMs in establishing ITTs and developing ITT charters.
- 3.1.5.5.9. Supporting operational MAJCOMs in planning and executing nuclear weapon system tests required by the Joint Flight Test (JFT) program.
- 3.1.5.5.10. Supporting the Joint Test Working Group (JTWG) and Joint Test Steering Group (JTSG) to plan and conduct joint flight-testing of National Nuclear Security Administration (NNSA) developed Joint Test Assemblies (JTA), Developmental Joint Test Assemblies (DJTAs) Vibration Fly-Around units (VFAs) and Instrumented Measurement Test Units (IMTUs).
- 3.1.5.5.11. Supporting ACC, AFGSC, USAFE, and AFMC JTWG chairs in developing/updating the NWSSTP for weapon system/warhead testing.
- 3.1.5.5.12. Collaborating with joint AF-NNSA warhead POGs to ensure alternative testing capabilities are explored to provide continuous weapon testing support.
- 3.1.5.5.13. Ensuring nuclear weapon system test and evaluation requirements are considered in Air Force Test Investment Planning and Programming, and DoD Major Range Test Facility Base reviews.
- 3.1.5.6. Provide independent nuclear weapon/weapon systems science and engineering, certification assessment support, weapons effects analysis, sustaining engineering and mission assurance analysis when requested.
- 3.1.6. AFNWC, Directorate of Nuclear Capabilities (AFNWC/NC) will:**
- 3.1.6.1. Serve as the Air Force Service Logistics Agent for all nuclear weapons assigned to the Air Force IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*.

- 3.1.6.2. Be the AF Unsatisfactory Report Service Center IAW T.O. 11N-5-1, *Unsatisfactory Reports*.
- 3.1.6.3. Be the AF focal point for nuclear weapon related visits to AF organizations IAW AFI 21-210, *Nuclear Weapons Related Visits to Air Force Organizations*.
- 3.1.6.4. Be the focal point for AF nuclear T.O.s, including non-US NATO delivery system T.O.s IAW T.O. 00-5-3, *AF Technical Order Life Cycle Management*. Manage applicable nuclear weapons loading and delivery technical orders IAW AFI 63-104, *The SEEK EAGLE Program*.
- 3.1.6.5. Serve as the AF Joint Nuclear Weapons Publication System (JNWPS) Executive Agent IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*.
- 3.1.6.6. Serve as the AF focal point for Defense Integration and Management of Nuclear Data Services (DIAMONDS) integration and management IAW AFI 21-203, *Nuclear Accountability Procedures*.
- 3.1.6.7. Oversee nuclear weapon, nuclear component, and Department of Energy designed nuclear-related support equipment accountability IAW AFI 21-203, *Nuclear Accountability Procedures*.
- 3.1.6.8. Develop the AF Nuclear Ordnance Shipping Schedule (NOSS) IAW AFI 21-203, *Nuclear Accountability Procedures*.
- 3.1.6.9. Serve as the focal point for Code Management System (CMS) development, procurement and support IAW AFI 21-204, *Nuclear Weapons Maintenance Procedures*.
- 3.1.6.10. Be the programmatic and technical lead for sustainment of all AF nuclear weapons in AF custody, ICBMs, cruise missiles, WS3 vaults, interface to delivery aircraft platforms and weapons trainers.
- 3.1.6.10.1. Develop and maintain N-SE LCSPs to define sustainment, modification, replacement and retirement activities for N-SE under their portfolio. If this requirement is already met through inclusion in a major weapons system LCMP or Weapon System Roadmap, a separate N-SE LCSP is not required.
  - 3.1.6.10.2. Update LCSPs at least annually.
  - 3.1.6.10.3. Provide AFNWC/LG Nuclear Support Equipment Office with the latest copies of N-SE LCSPs.
  - 3.1.6.10.4. When tasked, provide N-SE PMR and metric data slides and briefings summarizing project status, risk, concerns and future status. Slides will be provided NLT the 5th day of July and January. PMR briefings will normally be held via teleconference during the second week of July and January. Inclusion of specific N-SE in PMR and N-SE report will be based on input from HHQ, inspection results, known sustainment issues, or other criteria as determined by AFNWC/LG and HQ AFMC/A4M.
- 3.1.6.11. Manage the AF Nuclear Certification process.
- 3.1.6.12. Provide Executive POG, Maintenance and Logistics Subgroup Chair, and AFMC voting member to gravity weapon/warhead POGs.

- 3.1.6.13. Provides oversight to the Air Force System Program Manager (SPM) for Air Launched Cruise Missiles.
- 3.1.6.14. Provide the WS3 Program Office.
- 3.1.6.15. Maintain the Master Nuclear Certification List (MNCL).
- 3.1.6.16. For non-Nuclear Systems Division programs, conduct independent nuclear safety/surety evaluations of USAF delivery systems, support and maintenance equipment, and other associated facilities and equipment when required.
- 3.1.6.17. Serve as the DoD Integrated Life Cycle manager for AF nuclear gravity munitions and ICBM reentry vehicle and cruise missile warheads.
- 3.1.6.18. Oversees nuclear warhead/platform sustainment and performs AF stockpile stewardship activities.
- 3.1.6.18.1. Performs statutory Lead Project Officer (LPO) responsibilities for Legacy Stockpile Systems, leads interagency POGs and coordinates with and provides oversight of Department of Energy on nuclear warhead modernization and sustainment in accordance with AFI 63-103, *Joint Air Force-National Nuclear Security Administration (AF-NNSA) Nuclear Weapons Life Cycle Management*.
  - 3.1.6.18.2. Provides scientific and engineering assistance in evaluating warhead design requirements and specifications for nuclear warhead operational characteristics, environments in which the warhead must perform or remain safe, the determination of design acceptability and the military requirements for warhead quantities per AFI 63-103, *Joint Air Force-National Nuclear Security Administration (AF-NNSA) Nuclear Weapons Life Cycle Management*.
  - 3.1.6.18.3. Provide Chairperson or member for the aircraft nuclear weapon systems project officer groups, and identify requirements for SE certification IAW AFI 63-104, *The SEEK EAGLE Program*.
- 3.1.6.19. Provide scientific and engineering assistance in evaluating warhead design acceptability, suitability, and effectiveness (e.g., weapon effects/hardness analysis, nuclear survivability analysis and the application of problem solving techniques to assist in the decision making process – modeling and simulation).
- 3.1.6.20. Develop and manage nuclear Safe Escape data for all nuclear capable aircraft and incorporate the information in weapons delivery technical orders IAW AFI 63-104, *The SEEK EAGLE Program* (e.g., Nuclear Weapons Hardness Database System and Analysis, validation and verification of data base system, modeling/simulation and technical analysis for sage escape).
- 3.1.6.21. Provide Operating Location-Ramstein (OL-RAM) Coordinator for the integration of AFNWC systems and products in the USAFE area of responsibility. This includes weapons integration with host nation aircraft, performing liaison functions between AFNWC and USAFE/A10, serving as coordinator for AFNWC systems, products and visitors within the USAFE area of responsibility, and representing AFNWC at the Joint Surety Theater Management Group.

3.1.6.22. Provide OL-RAM maintainers the ability to sustain and maintain the WS3 system, at the organizational and intermediate level, IAW AFI 21-101, *Aircraft and Equipment Maintenance Management*.

3.1.6.23. Perform Aircraft Monitor and Control (AMAC) certification and surveillance evaluations on USAF and non-U.S. NATO operational nuclear capable aircraft and air-launched missiles systems as required for nuclear compatibility certification. Issue the Nuclear Compatibility Certification Statement (NCCS) upon completion of all required Nuclear Compatibility certification tasks, IAW AFI 63-125, *Nuclear Certification Program*.

3.1.6.24. Support and conduct joint tests and evaluations of assigned nuclear weapons under development with the NNSA.

**3.1.7. AFNWC, Directorate of ICBM Systems (AFNWC/NI) will:**

3.1.7.1. Support execution of integrated life-cycle management responsibilities through PEO Strategic Systems. Conduct test and integration functions (e.g. the Strategic Missiles Integration Complex).

3.1.7.2. Publish an ICBM Systems Roadmap based on the AFGSC ICBM Master Plan and provide annual updates.

3.1.7.2.1. Develop and maintain N-SE LCSPs to define sustainment, modification, replacement and retirement activities for N-SE under their portfolio. If this requirement is already met through inclusion in a major weapons system LCMP or Weapon System Roadmap, a separate N-SE LCSP is not required.

3.1.7.2.2. Update LCSPs at least annually.

3.1.7.2.3. Provide AFNWC/LG Nuclear Support Equipment Office with the latest copies of N-SE LCSPs.

3.1.7.2.4. When tasked, provide N-SE PMR and metric data slides and briefings summarizing project status, risk, concerns and future status. Slides will be provided NLT the 5th day of July and January. PMR briefings will normally be held via teleconference during the second week of July and January. Inclusion of specific N-SE in PMR and N-SE report will be based on input from HHQ, inspection results, known sustainment issues, or other criteria as determined by AFNWC/LG and HQ AFMC/A4M.

3.1.7.3. Provide weapon system software support, accreditation, and certification. Maintain and update software for tasked war plans, revisions and other modifications, as required.

3.1.7.4. Maintain an engineering capability to address Minuteman operational force problems (e.g. System Engineering Level Evaluation Correction Team – SELECT).

3.1.7.5. Support Force Development Evaluation programs.

3.1.7.6. Develop and publish the annual Weapon System Effectiveness Report.

3.1.7.7. Coordinate with Department of Energy, through AFNWC and the Project Officers' Group, adequate logistical support for all AFGSC present and future Reentry Vehicle/Reentry System requirements.

3.1.7.8. Provide deployment plans for Minuteman program activities to AFNWC and AFGSC.

3.1.7.9. Monitor the health of the ICBM Industrial Base that is comprised of capabilities in both the government and civil sectors. Identify and manage industrial base constraints throughout all phases of the life cycle, from requirements definition to disposal. Industrial base constraints include, but are not limited to, critical raw materials, sources of strategic materials, diminishing manufacturing sources and material shortages, manufacturing technologies, capabilities, and processes, the supply chain, parts obsolescence, depot capacity and industrial workforce.

3.1.7.10. Lead the Rivet Minuteman Integrated Life Extension (MILE) program that integrates maintenance efforts of ICBM System Division and AFGSC to provide weapon system programmed depot maintenance and organic installations essential to system life and program affordability.

3.1.7.11. Co-chair, with AFGSC/A4, the ICBM Planning Conference(s) to be held twice each year and lead all working group efforts.

**3.1.8. AFNWC, Directorate of Plans and Programs (AFNWC/XP) will:**

3.1.8.1. Develop and maintain the AFNWC Strategic Plan/Strategic Alignment and Deployment. Advise and consult on goals/objectives/metrics and tasks development, analysis, tracking and reporting.

3.1.8.2. Be the AFNWC focal point for all POM activities. This includes the publication of POM guidance, consolidation of AFNWC unit POM inputs, submission of the consolidated input to the AFNWC Corporate Board, and submission of the AFNWC POM input to AFMC.

3.1.8.3. Serve as the AFNWC Legislative Liaison, responsible for coordinating Congressional Inquiries, visits and request for information regarding nuclear enterprise management.

3.1.8.4. Develop Program and Implementation Plans for nuclear-related Program Action Directives.

3.1.8.5. Coordinate AFNWC and 377ABW status to AFMC/IG Quarterly Deficiency Review IAW AFI 90-201, *The Air Force Inspection Program*, and AFNWCI 90-201, *Center Inspection Program*.

3.1.8.6. Ensures AFNWC plans are developed and operations conducted to be in compliance with current and future Arms Control Treaties, Agreements and Nuclear Posture Reviews.

3.1.8.7. Be responsible for the organic and contract depot maintenance policy and ensure all Depot Source of Repair and Source of Repair Assignment Packages associated with nuclear systems and resources are processed IAW applicable AFI and AFMC guidance.

AFNWC/XP will forward approved DSOR and SORAP packages to AFNWC/LG for inclusion in STIC reporting.

3.1.8.8. With the assistance of all affected units, develop, coordinate, staff and maintain all AFNWC Memorandums of Agreement or Understanding (MOA/MOU).

3.1.8.9. Ensure nuclear-related critical assets are identified and risk management plans established under the Critical Asset Risk Management Program.

3.1.8.10. Perform duties as the administrator for the Requirements Approval Document program. Duties include training AFNWC personnel who generate contractual requirements documents, performing Quality Control oversight for documents entered into the RAD system, and obtaining AFNWC senior leadership approval of submitted documents.

3.1.8.11. Serve as lead for AFNWC hedge planning efforts to ensure AFMC compliance with Air Force and Combatant Commander guidance and directives.

**3.2. Air Force Sustainment Center (AFSC).** The mission of the Air Force Sustainment Center is to Sustain Weapon System Readiness to generate Airpower for America. The center provides war-winning expeditionary capabilities to the warfighter through world-class depot maintenance, supply chain management and installation support. The AFSC provides critical sustainment for the Air Force's most sophisticated weapons systems, including: A-10 Thunderbolt II, AC-130, B-1 Lancer, B-52 Stratofortress, C-5 Galaxy, C-17 Globemaster III, C-130 Hercules, E-3 Sentry, E-6 Mercury, E-8 Joint STARS, EC-130, F-15 Eagle, F-16 Falcon, F-22 Raptor, HC-130, HH-60 Pave Hawk, ICBM, KC-135 Stratotanker, MC-130, MH-53 Pave Low, RQ-4 Global Hawk, U-2 Dragon Lady, and UH-1 Iroquois aircraft as well as a wide range of aircraft engines and component parts. NWRM is managed IAW AFI 20-110, *Nuclear Weapons-Related Materiel Management*.

**3.2.1. AFSC will:**

3.2.1.1. Serve as the Supply Chain Center of Excellence and Centralized Management for all supply chain processes and assets.

3.2.1.2. Monitor/track NWRM disposition.

3.2.1.3. Monitor/track/implement NWRM demilitarization program in coordination with AFNWC.

3.2.1.4. Execute NWRM and non-NWRM supply chain processes on behalf of the AFNWC.

3.2.1.5. Provide management and execution processes for supply classes/items for AF.

3.2.1.6. Manage SCM functional personnel members.

3.2.1.7. Provide Supply Chain Management oversight, control, monitoring and tracking for NWRM within the supply chain.

3.2.1.8. Provide SCM performance indicators for NWRM.

3.2.1.9. Provide quality assurance and inspections of requirements for management of NWRM SCM processes.

3.2.1.10. Operate and manage NWRM storage facility at Hill AFB.

3.2.1.11. Provide recommendations for policy and procedures in support of base level management.

3.2.1.12. Manage NWRM World Wide Inventory (WWI) and report on status.

3.2.1.13. Facilitate identification and coordination of changes required for legacy SCM systems, PIC Fusion Tool, and AF-DSS.

3.2.1.14. Direct changes required within SCM systems due to changes in NWRM list and requirements for PIC.

3.2.1.15. Perform Unconventional Search, and if required, recovery of NWRM. Search non-DOD/governmental systems/websites to identify AF NWRM in nongovernmental possession. Recover assets if legally possible.

3.2.1.16. Implement Automatic Identification Technology (AIT) solutions as directed by AFMC. Examine supply chain and maintenance processes to determine the most appropriate insertion of AIT systems/devices.

3.2.1.17. Perform all supply chain functions necessary to ensure AFMC capability to meet hedge requirements outlined in AFMC, Air Force and Combatant Commander guidance and directives.

3.2.1.18. AFSC/LG will establish a Nuclear Integration Team office, with O-6 level leadership to serve as a counterpart to HQ AFMC/A10 as directed by AFMC/CC.

**3.2.2. Ogden Air Logistics Complex (OO-ALC).** OO-ALC provides maintenance and repair operations, including refurbishment and booster storage for Air Force ICBM and nuclear-capable cruise missiles at the sub-system and component levels, as well as aging surveillance test support and software/firmware development. The 75th ABW provides host support to the AFNWC's Intercontinental Ballistic Missile Systems Directorate (AFNWC/NI) and AFSC's management of NWRM and other nuclear-related supply chains. **OO-ALC will:**

3.2.2.1. Support AFLCMC in development of LCSPs for N-SE. Provide input to semi-annual N-SE PMRs as requested. Delete 3.2.2.1-3.2.2.4

3.2.2.2. Provide AFMC MAJCOM functional manager for 2M0 Missile and Space Systems enlisted personnel career field. HQ AFMC/A4 retains Headquarters AFMC 2M0 functional management responsibility. HQ AFMC/A4 will delegate in writing 2M0 MFM responsibility and authority to the appropriate 2M0 at the 309th Missile Maintenance Group. HQ AFMC/A4 will integrate the 2M0 career field within headquarters MFM processes. Appointed 2M0 MFM will coordinate with HQ AFMC/A4 and the CFM on force development and retention management for the nuclear sustainment and maintenance enterprise workforce.

**3.2.3. Oklahoma City Air Logistics Complex (OC-ALC).** OC-ALC provides programmed depot maintenance support and heavy maintenance, repair, and overhaul activities for nuclear capable weapon systems, to include the B-2 and B-52. OC-ALC also provides development and sustainment of a diverse portfolio of hardware and software for nuclear capable weapon systems. **OC-ALC will:**

3.2.3.1. Support AFLCMC in development of LCSPs for N-SE. Provide input to semi-annual N-SE PMRs as requested.

3.2.4. **Warner Robins Air Logistics Complex (WR-ALC).** WR-ALC provides programmed depot maintenance support and heavy maintenance, repair, and overhaul activities for the F15 weapon system. **WR-ALC will:**

3.2.4.1. Support AFLCMC in development of LCSPs for N-SE. Provide input to semi-annual N-SE PMRs as requested.

**3.3. Air Force Life Cycle Management Center (AFLCMC).** AFLCMC's mission is to acquire and support war-winning capabilities. AFLCMC was designed to provide a single face and voice to customers, holistic management of weapon systems across their life cycles, and to simplify and consolidate staff functions and processes to curtail redundancy and enhance efficiency. In addition AFLCMC's operating structure provides an integrated framework for decision making and process optimization across the weapon system life cycle.

3.3.1. AFLCMC will:

3.3.1.1. Provide acquisition management for design, development, test and fielding of Nuclear Communications capabilities.

3.3.1.2. Develop and maintain a knowledgeable workforce for acquisition management and the specialized requirements for nuclear related communication systems.

3.3.1.3. Support AFGSC, AFNWC and AFSC in assessing health of nuclear communications systems and identifying mitigating actions for issues as they arise.

3.3.1.3.1. Assist AF/A7SX by ensuring that sustainment activities, including logistics deliverables, spares, technical orders, support equipment/software, and trained personnel supporting Protection Level-1 Nuclear (PL-1N) Integrated Base Defense Security Systems (IBDSS) is planned/provided.

3.3.1.3.2. Plan and program logistics support of training equipment for organically supported systems for PL-1N IBDSS.

3.3.1.3.3. Plan for the recovery, refurbishment, and reuse of excess organically supported PL-1N IBDSS equipment from base closure or realignment, and for the disposal of organically supported equipment at the end of its useful life cycle.

3.3.1.3.4. Manage the depot support for the PL-1N IBDSS.

3.3.1.4. Function as the Secretariat for the Development Planning (DP) Governance structure to enable corporate oversight of all DP including the Nuclear DP efforts.

3.3.1.5. Design, develop, test and field technical modernization to or replacement of nuclear communication systems as assigned by AFMC.

3.3.1.6. Provide acquisition support to include research and development of COMSEC nuclear command and control equipment. Provide cryptographic technical expertise to support NSA guidance/direction for current and future use of AF COMSEC devices to AF System Program Management Offices and all MAJCOM users.

3.3.1.7. Direct and manage the acquisition planning, technology development, testing, integration and production for nuclear weapon systems assigned to AFLCMC.

3.3.1.8. Develop and maintain N-SE LCSPs to define sustainment, modification, replacement and retirement activities for N-SE under their portfolio. If this requirement is already met through inclusion in a major weapons system LCMP or Weapon System Roadmap, a separate N-SE LCSP is not required.

3.3.1.8.1. Update LCSPs at least annually.

3.3.1.8.2. Provide AFNWC/LG Nuclear Support Equipment Office with the latest copies of N-SE LCSPs.

3.3.1.8.3. When tasked, provide N-SE PMR and metric data slides and briefings summarizing project status, risk, concerns and future status. Slides will be provided NLT the 5th day of July and January. PMR briefings will normally be held via teleconference during the second week of July and January. Inclusion of specific N-SE in PMR and N-SE report will be based on input from HHQ, inspection results, known sustainment issues, or other criteria as determined by AFNWC/LG and HQ AFMC/A4M.

3.3.1.9. Manage aircraft-stores certification process. The Air Force SEEK EAGLE Office assures aircraft-stores compatibility to include stores loading, safe carriage, separation, safe escape, electromagnetic compatibility and electromagnetic interference as well as weapon delivery accuracy verification. AFSEO certification will be accomplished on all aircraft deployable nuclear weapons and associated suspension equipment whether carried externally or internally. Specific procedures and policies for accomplishing the AFSEO program are provided in AFI 63-104, *The SEEK EAGLE Program*.

3.3.1.10. Serve as the Single Manager for all nuclear certified equipment, items, and software for all assigned weapons and systems IAW AFI 63-125, *Nuclear Certification Program*. Provide inputs as required for weapon systems that will be nuclear certified with AFLCMC developed materials.

3.3.1.11. Support joint tests and evaluations of assigned nuclear weapons under development with the NNSA. These tests will evaluate compatibility of all interfaces between NNSA and Air Force subsystems and provide the Air Force and United States Strategic Command with operational information for mission planning.

3.3.1.12. Identify to HQ AFMC/A4 and AFNWC/LG materials and sub-components that may qualify as NWRM, IAW AFI 20-110, *Nuclear Weapons-Related Materiel Management*. Manage logistics issues for identified NWRM prior to delivery to AFSC.

3.3.1.13. Function as the Secretariat for the Development Planning (DP) Governance structure to enable corporate oversight of all DP including the nuclear DP efforts.

3.3.2. **AFLCMC/LG, Logistics Directorate**, is the OPR for the entry into life cycle maintenance. **AFLCMC/LG will:**

3.3.2.1. Provide technical order policy management.

3.3.2.2. Provide necessary Life Cycle (or acquisition) Logistics subject matter expertise support for the nuclear support for the nuclear mission.

3.3.2.3. In conjunction with HQ AFMC/A4M, establish policy and provide guidance on the development of Life Cycle Management Plans (LCMPs) and LCSPs for the nuclear mission.

3.3.2.4. Coordinate and support nuclear inspections and support corrective/compliance actions as requested. HQ AFMC/A4U is AFMC's Quality Assurance Functional Manager. HQ AFMC/A4U will receive all inspection results and corrective actions via AFNWC/LG from units. **Note:** Findings will need to be closed IAW guidance provided by applicable inspection agency.

3.3.2.5. Provide recommendation in support of capability development enabling problem reporting and engineering change management processes for the nuclear enterprise.

**3.3.3. AFLCMC/SS, Program Executive Office, Strategic Systems** is responsible to the Assistant Secretary of the Air Force for Acquisition for all program execution aspects of Air Force nuclear acquisition programs. **AFLCMC/SS will:**

3.3.3.1. Serve as the Milestone Decision Authority (MDA) for all ACAT III and delegated ACAT II nuclear acquisition programs and provide recommendations to the MDA for ACAT I and non-delegated ACAT II programs.

3.3.3.2. Ensure that all applicable DoD 5000 series and AFI 63 series requirements are applied to nuclear acquisition programs and that appropriate documentation is in place to support all program milestones.

3.3.3.3. Approve acquisition strategies that mitigate risks and implement Better Buying Power principles, to ensure combat capability is provided in the most cost-effective manner possible.

**3.3.4. AFLCMC/EBB, Weapons Directorate, Strategic Systems Division**, possesses unique expertise that is applicable to the nuclear enterprise, specifically in guided gravity weapons and cruise missiles. When tasked by AFLCMC/SS, the Division will execute the acquisition of designed nuclear programs in accordance with DoD and AF directives.

**3.3.5. AFLCMC/FB, Program Executive Officer, Fighter-Bomber**, provides life cycle oversight of Air Force aircraft certified to carry nuclear weapons. AFLCMC/FB ensures that this certification is maintained as part of any sustainment upgrades to the platforms.

**3.3.6. AFLCMC/CM, Program Executive Officer, Combat Mission Support**, provides oversight of services contracts within the AF. AFLCMC/CM ensures that services contracts supporting the nuclear enterprise are executed in accordance with DoD and AF directives.

**3.4. Air Force Research Laboratory (AFRL).** Leads the discovery, development and integration of affordable warfighting technologies for aerospace forces. Controls the Air Force Science and Technology budget plus additional monies from customers. Manages Technology Directorates and the Air Force Office of Scientific Research in the execution of Science and Technology Programs. Determines the investment strategy for the full spectrum of Air Force science and technology activities. Conducts basic research to ensure continued technological superiority; develops and transitions new technologies for Air Force weapon systems and their supporting infrastructure; and ensures responsive technical support to time-urgent problems.

**3.4.1. AFRL will:**

3.4.1.1. Act as the Air Force S&T honest broker by providing SMEs as needed to assist the nuclear community (i.e., AFMC, AFSC, AFLCMC, etc.) with planning and programming decisions related to current and planned systems/concepts.

3.4.1.2. As requested, assist AFSC and AFMC by conducting Integrated Planning to analyze their ability to meet nuclear operational requirements. This Integrated Planning and Programming Process identifies operational capabilities each MAJCOM and CFLI must provide current and future warfighters, assesses the ability of current and planned systems to accomplish those requirements and then identifies shortfalls between what the warfighter is requesting and what the MAJCOM can provide. These shortfalls are commonly referred to as Capability Gaps.

3.4.1.3. Assist Product Centers, working with industry and the greater S&T communities, to identify potential capabilities and/or processes to solve nuclear shortfalls. Often, implementation of new capabilities (i.e., acquisition of new systems), will require maturation of S&T state-of-the-art. These areas where S&T must be matured referred as Capability Gaps and S&T Needs. These Capability Gaps and S&T Needs are vetted through the CFLI CFMP Process for prioritization across the near, mid and far term and are provided to AFRL through the annual publishing of CFMPs by CFLIs, and through Applied Technology Councils accomplished in accordance with AFI 61-101, *Applied Technology Council*.

3.4.1.4. Collaborate with the Nuclear Community following delivery of nuclear Capability Gaps and S&T Needs to identify potential S&T Solutions/Technology Risk Reduction efforts to provide the nuclear community with increased and better technology options for modernization of the nuclear force structure. These Solutions and Risk Reduction efforts may become S&T projects that AFRL initiates after approval and funding is secured through AFRL's S&T Integrated Planning and Programming process with looks at all AF S&T requirements. Some Solutions/Risk Reduction efforts may be proposed as candidate Advanced Technology Demonstrations, Flagship Capability Concepts, or Joint Capability Technology Demonstrations which require approval by their respective governing bodies.

**3.5. Air Force Test Center (AFTC).** Conducts Developmental Test and Evaluation (DT&E) of air, space, and cyber systems to provide timely, objective, and accurate information to decision makers. Provides a national aerospace ground test complex to conduct preflight tests, engineering analyses, and technical evaluations for research, system development, and operational programs of the Air Force and Department of Defense (DoD), other government agencies, industry, and allied nations. Accomplishes authorized airframe, power plant, and avionics flight and ground test Aircraft-Propulsion-Avionics (APA) and Electronic Warfare (EW) programs, including logistics tests, on manned and unmanned aerospace vehicles, subsystems and components. Responsible for development, acquisition, testing and deployment of conventional weapons. Applies advanced technology, engineering and budgeting efficiencies across the entire product life cycle to provide superior combat capability. Plans, directs, and conducts test and evaluation of US and allied air armament and navigation/guidance systems, and Command and Control (C2) systems. Plans, conducts, analyzes and reports on flight and ground DT&E with uniquely modified aircraft and facilities. Provides DoD and national leaders with essential performance information on weapons, aircraft survivability and C2 systems.

3.5.1. The AFTC will:

3.5.1.1. Support ICBM and Cruise Missile Force Development Exercises (FDE) as required.

JANET C. WOLFENBARGER, General, USAF  
Commander, Air Force Materiel Command

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

- AFI 10-201, *Status of Resources and Training System*, 13 April 2006
- AFI 10-401, *Air Force Operations Planning and Execution*, 7 December 2006
- AFI 13-503, *Nuclear-capable Unit Certification, Decertification & Restriction Program*, 2 October 2012
- AFI 16-601, *Implementation of, and Compliance with, International Arms Control and Nonproliferation Agreements*, 18 February 2011
- AFI 16-604, *Implementation of, and Compliance with, the Treaty on Open Skies*, 28 March 2012
- AFI 16-605, *Implementation of the U.S.-International Atomic Energy Agency Integrated Safeguards Agreement*, 28 March 2012
- AFI 16-608, *Implementation of, and Compliance with the New START Treaty*, 19 January 2011
- AFI 16-609, *USAF Implementation of and Compliance with the Chemical Weapons Convention*, 27 January 2012
- AFI 20-110, *Nuclear Weapons-Related Materiel Management*, 18 February 2011
- AFI 20-111, *Logistics Compliance Assessment Program*, 19 April 2011
- AFI 21-101, *Aircraft and Equipment Maintenance Management*, 26 July 2010
- AFI 21-203, *Nuclear Accountability Procedures*, 23 November 2009
- AFI 21-204, *Nuclear Weapons Maintenance Procedures*, 30 November 2009
- AFI 21-210, *Nuclear Weapons Related Visits to Air Force Organizations*, 14 March 2012
- AFI 61-101, *Applied Technology Council*, 9 May 2005
- AFI 63-103, *Joint Air Force-National Nuclear Security Administration (AF-NNSA) Nuclear Weapons Life Cycle Management*, 24 September 2008
- AFI 63-104, *The Seek Eagle Program*, 21 January 2005
- AFI 63-125, *Nuclear Certification Program*, 8 Aug 2012
- AFI 90-201, *The Air Force Inspection Program*, 23 Mar 2012
- AFI 91-101, *AF Nuclear Weapons Surety Program*, 13 October 2010
- AFI 91-121, *Nuclear Surety Staff Assistance Visit (NSSAV) Program*, 8 November 2010
- AFMAN 33-363, *Management of Records*, 1 March 2008
- AFMAN 63-119, *Certification of System Readiness for Dedicated Operational Test and Evaluation*, 20 June 2008
- AFMCI 36-2645, *Senior Functional Roles and Responsibilities*, 31 January 2011
- AFNWCI 90-201, *Center Inspection Program*, 18 April 2011

AFPD 13-5, *Air Force Nuclear Enterprise*, 6 July 2011

T.O. 00-5-3, *Air Force Technical Order Life Cycle Management*, 31 December 2009

T.O. 00-25-107, *Maintenance Assistance*, 15 August 2011

T.O. 11N-5-1, *Unsatisfactory Reports*, 26 August 2008

### ***Adopted Forms***

AF Form 847, *Recommendation for Change of Publication*

### ***Abbreviations and Acronyms***

**ABW**—Air Base Wing

**ACAT**—Acquisition Category

**AFCANS**—Air Force Comprehensive Assessment for Nuclear Sustainment

**AFGSC**—Air Force Global Strike Command

**AFI**—Air Force Instruction

**AFIA**—Air Force Inspection Agency

**AFMAN**—Air Force Manual

**AFMC**—Air Force Materiel Command

**AFNGOSG**—Air Force Nuclear General Officer Steering Group

**AFNWC**—Air Force Nuclear Weapons Center

**AFRIMS**—Air Force Records Information Management System

**AFRL**—Air Force Research Laboratory

**AFSC**—Air Force Sustainment Center

**AFSEC**—Air Force Safety Center

**AFSFC**—Air Force Security Forces Center

**ALC**—Air Logistics Complex

**APOM**—Amended Program Objective Memorandum

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

**CAM**—Centralized Asset Management

**CBT**—Computer Based Training

**CFLI**—Core Function Lead Integrator

**CFM**—Career Field Manager

**CMS**—Code Management Systems

**COCOM**—Combatant Commands

**DP**—Development Planning

**DIAMONDS**—Defense Integration and Management of Nuclear Data Services

**DoD**—Department of Defense

**EOD**—Explosive Ordnance Disposal

**ETAR**—Electronic Technical Assistance Request

**FPCON**—Force Protection Conditions

**HAF**—Headquarters, Air Force

**HQ**—Headquarters

**IAW**—In Accordance With

**ICBM**—Intercontinental Ballistic Missile

**ICBMSSD**—Intercontinental Ballistic Missile Systems Directorate

**IG**—Inspector General

**INSI**—Initial Nuclear Surety Inspections

**IPT**—Integrated Product Teams

**JNWPS**—Joint Nuclear Weapons Publication Systems

**LCAP**—Logistics Compliance Assessment Program

**LCAT**—Logistics Compliance Assessment Team

**LCMP**—Life Cycle Management Plans

**LCSP**—Life Cycle Sustainment Plan

**MAJCOM**—Major Commands

**MCL**—Maintenance Capability Letters

**MILCON**—Military Construction

**MUNS**—Munitions Units

**NATO**—North Atlantic Treaty Organization

**NCE**—Nuclear Certified Equipment

**NCM**—Nuclear Certification Manager

**NIC**—Nuclear Issues Council

**NIRI**—Nuclear Issues Resolution and Integration

**NIWG**—Nuclear Issues Working Group

**NMUSAF**—National Museum of the United States Air Force

**NOB**—Nuclear Oversight Board

**N-SE**—Nuclear Support Equipment

**NSI**—Nuclear Surety Inspections

**NSSAV**—Nuclear Surety Staff Assistance Visit  
**NTCC**—NWRM (Nuclear Weapons Related Materiel) Transaction Control Cell  
**NWG**—Nuclear Working Group  
**NWRM**—Nuclear Weapons Related Materiel  
**NWSI**—Nuclear Weapons Storage Infrastructure  
**NWSSG**—Nuclear Weapons System Safety Group  
**OPR**—Office of Primary Responsibility  
**OSD**—Office of the Secretary of Defense  
**OSI**—Office of Special Investigations  
**OSS&E**—Operational Safety, Suitability and Effectiveness  
**PAD**—Program Action Directive  
**PGM**—Product Group Managers  
**PIC**—Positive Inventory Control  
**PL**—1N - Protection Level 1 Nuclear  
**POC**—Point of Contact  
**POG**—Project Officer Group  
**POM**—Program Objective Memorandum  
**POR**—Programs of Record  
**PPBE**—Planning, Programming, Budgeting and Execution  
**PPLAN**—Programming Plan  
**PRP**—Personnel Reliability Program  
**RCA**—Root Cause Analysis  
**RDS**—Records Disposition Schedule  
**RDT&E**—Research, Development, Test and Evaluation  
**SAV**—Staff Assistance Visit  
**SCI**—Sensitive Compartmented Information  
**SCM**—Supply Chain Management  
**SF**—Security Forces  
**SME**—Subject Matter Expert  
**SPM**—System Program Managers  
**S&T**—Science and Technology  
**STIC**—Sustainment and Technical Integration Center

**T.O.**— Technical Order

**TMDE**—Test Measurement and Diagnostic Equipment

**WS3**—Weapon Storage and Security System

### *Terms*

**Centralized Asset Management (CAM)**— Centralizing all Planning, Programming, Budgeting and Execution (PPBE) functions for Depot-Level Repairable (DLR), Sustainment Engineering, Technical Orders, Contractor Logistics Support, Aviation Petroleum Oil and Lubricants, Flying Hour and Consumables and Support Equipment to AFMC. This will optimize support for steady state and expeditionary operations.

**Component**— An assembly or any combination of parts, subassemblies, and assemblies mounted together in manufacture, assembly, maintenance or rebuild.

**Cradle—to-grave** - The full life cycle assessment, from manufacture (cradle) through the use phase and to the disposal (grave).

**DULL SWORD**— A reporting flagword that identifies a nuclear safety deficiency not included in an accident or incident category.

**Host—tenant Support Agreement** - A contract between the host unit and the tenant, or other military service, that lists areas of support the host will provide to the tenant.

**Intercontinental Ballistic Missile**— A surface-to-surface missile, with a range in excess of 3,500 miles (or 5,500 kilometers), that carries one or more warheads.

**Inventory Control**— The implementation of management's inventory policies in a manner that ensures the goals of inventory management are met.

**Life Cycle Management**— The total phases through which an item passes from the time it is initially developed until the time it is either consumed in use or disposed of as being excess to all known materiel requirements.

**Logistics Compliance Assessment Program (LCAP)**— Provides leadership at all AF levels with an evaluation of each unit's ability to perform key logistics processes in a repeatable, standard, safe and technically competent manner.

**Nuclear Enterprise**— The people, organizations, processes, procedures and systems that are used to conduct, execute and support nuclear operations and forces. It includes the infrastructure and life-cycle activities for nuclear weapons, delivery platforms and supporting systems; intellectual and technical competencies; and cultural mindset that ensure sustainable, responsive, safe, reliable and secure AF nuclear deterrence capabilities.

**Nuclear Surety**— The materiel, personnel and procedures that contribute to the safety, security, reliability and control of nuclear weapons.

**Nuclear Surety Inspection (NSI)**— Evaluates a unit's readiness to execute nuclear operations. Areas to be evaluated include operations, maintenance, security and support activities needed to ensure the wing is performing its mission in a safe, secure and reliable manner.

**Nuclear Surety Staff Assistance Visit (NSSAV)**— An evaluation of a unit's nuclear surety readiness. An observation and evaluation of how the unit conducts day-to-day operations and administers nuclear surety program management.

**Nuclear Weapons**— A complete assembly (i.e., implosion, gun or thermonuclear), in its intended ultimate configuration which, upon completion of the prescribed arming, fusing, and firing sequence, is capable of producing the intended nuclear reaction and release of energy.

**Nuclear Weapons Related Materiel (OSD Definition)**— Classified or unclassified assemblies and subassemblies (containing no fissionable or fusionable materiel) identified by the Military Departments that comprise or could comprise a standardized war reserve nuclear weapon (including equivalent training devices) as it would exist once separated/removed from its intended delivery vehicle.

**Personnel Reliability Program**— Program ensuring the highest standards of individual reliability while performing duties associated with nuclear weapons and components.

**Program Objective Memorandum (POM)**— A 5-year outlook on budget requirements. It starts with the year following the President's Budget, which is always 1 year ahead of the current year.

**Special Compartmented Information**— A designed category of intelligence materials, which by virtue of their means of collection or other extraordinary aspect of their nature, required special handling and more than routine protection.

**Supply Chain Management**— The planning and management of all activities involved in sourcing and procurement, conversion and all logistics management activities. It integrates supply and demand management within and across companies. In addition to logistics activities, it includes such activities as manufacturing operations, marketing, sales, product design, finance and information technology.

**Warhead**— The part of a missile, projectile, torpedo, rocket or other munitions which contains either the nuclear or thermonuclear system, high explosive system, chemical or biological agents or inert materials intended to inflict damage.

**Weapon System**— A combination of one or more weapons with all related equipment, materials, services, personnel and means of delivery and deployment (if applicable) required for self-sufficiency.

**Working Capital Fund**— A revolving fund established to finance inventories of supplies or equipment.

**Attachment 2****AIR FORCE MATERIEL COMMAND NUCLEAR ISSUES COUNCIL & NUCLEAR ISSUES WORKING GROUP CHARTER****Figure A2.1. Air Force Materiel Command Nuclear Issues Council & Nuclear Issues Working Group Charter****I. INTRODUCTION**

This charter defines the purpose, objectives, membership, responsibilities, and administration of the AFMC Nuclear Issues Council (NIC) and Nuclear Issues Working Group (NIWG).

**II. PURPOSE AND OBJECTIVES**

A. The NIC is an AFMC senior leader decision-oriented forum focused on safe, secure, and effective nuclear weapons. NIC objectives are to:

1. Provide a proactive link between AFMC programs and AF-level strategies supporting the war-fighter, providing a check and balance of AFMC efforts.
2. Enhance nuclear surety by providing subject matter expert support for AFMC policies and strategies; serves as the AFMC Nuclear Surety Council.
3. Develop and encourage consensus among AFMC nuclear community stakeholders.
4. Increase visibility of AFMC programs that enhance nuclear weapons safety, security, and effectiveness.
5. Serve as a decision-making body; evaluate and advise on current nuclear related topics and events.
6. Monitor and track status and trends of available nuclear enterprise metrics.
7. Prepare and recommend issues for action by AFMC/CC, AFMC/CV, AFNWC/CC, AFLCMC/SS, and HQ AFMC/A10 at AF-level Nuclear Oversight Board (NOB), Nuclear Issues Resolution & Integration (NIRI) Board, and Nuclear Working Group (NWG).
8. Track action items via the Nuclear Enterprise Management Tool (NEMT) to closure.

B. The NIWG serves as the research and action arm of the NIC. NIWG objectives are:

1. Resolve issues within the AFMC nuclear enterprise that do not warrant NIC attention.
2. Monitor policy implementation ensuring standardization and compliance with current nuclear surety policies and strategies.
3. Develop and execute agenda items identified by and in support of the NIC.
4. Provide focused attention on operational and strategic issues affecting nuclear weapons surety (safety, security, and reliability) and sustainment.
5. Evaluate nuclear enterprise issues and advise AFMC/CC, AFMC/CV, AFNWC/CC, AFLCMC/SS, and HQ AFMC/A10 on issues requiring action at NOB, NIRI, and NWG.
6. Assign AFMC OPRs for NOB, NIRI, NWG, and NIC action items, track metrics and measure progress. Monitor, track, and report on action items in the NEMT to closure.

**III. MEMBERSHIP**

A. AFMC/CV chairs the NIC; membership includes AFMC organizations with nuclear equity. NIC participation cannot be below Center CV/CA/CS or HQ AFMC Deputy Director level without AFMC/CV approval. NIC charter members are required to attend the NIC; the Chair will invite other organizations as needed. Standing NIC membership includes:

AFMC/CV	HQ AFMC/A1	HQ AFMC/A2/5	HQ AFMC/A3	HQ AFMC/A4
HQ AFMC/A6/7	HQ AFMC/A8/9	HQ AFMC/A10	HQ AFMC/EN	HQ AFMC/FM
HQ AFMC/IG	HQ AFMC/JA	HQ AFMC/PK	HQ AFMC/SE	HQ AFMC/SG
AFLCMC/CC	AFNWC/CC	AFRL/CC	AFSC/CC	AFTC/CC
AFLCMC/SS				

B. HQ AFMC/A10 chairs the NIWG; membership includes O-6 level (or civilian equivalent) representatives from each organization having NIC membership. NIWG charter members are required to attend the NIWG; the Chair will invite other participants as needed. Standing NIWG membership includes:

HQ AFMC/A1	HQ AFMC/A2/5	HQ AFMC/A3	HQ AFMC/A4	HQ AFMC/A6/7
HQ AFMC/A8/9	HQ AFMC/A10	HQ AFMC/EN	HQ AFMC/FM	HQ AFMC/IG
HQ AFMC/JA	HQ AFMC/PK	HQ AFMC/SE	HQ AFMC/SG	AFLCMC/SS
AFNWC/CV	AFRL	AFSC/LG	AFTC	

**IV. RESPONSIBILITIES**

HQ AFMC/A10S is the secretariat for the NIC/NIWG and is responsible for scheduling, distributing background materials, publishing minutes, and tracking action items to closure.

**V. ADMINISTRATION**

NIC/NIWG members will review this Charter annually. HQ AFMC/A10S will maintain, coordinate, and publish changes to the Charter as necessary. Changes and updates will be effective upon final approval of AFMC/CV; distribution will follow to NIC/NIWG membership.

### Attachment 3

#### NUCLEAR PROFESSIONAL CONTINUING EDUCATION

**A3.1. Background.** It is imperative that AFMC personnel be properly trained to meet AFMC's major responsibilities to develop and sustain our nuclear deterrent capability. To achieve this objective, AFMC in 2004 established the Command's Nuclear College within the AFNWC to educate senior leaders and practitioners in maintenance or mission support activities (e.g., security or protection) involving nuclear surety programs, nuclear certification or related organizational planning, requirements and funding advocacy. In 2013, this responsibility has been transferred to Air University's Counterproliferation Center Operating Location (AU/CPC-OL) at Kirtland AFB, NM as part of the Air Force's Nuclear Professional Continuing Education Program.

**A3.2. The Air Force Nuclear Professional Continuing Education (NPCE) Program Curriculum.** The NPCE curriculum supports two major areas: nuclear management-related education and AF nuclear certification process related education, both with core and executive courses. The nuclear management-related courses follow: AF Nuclear Management Executive Seminar and the Air Force Nuclear Fundamentals Course (Nuclear 200), Advanced Nuclear Concepts Course (Nuclear 300) and Senior Leader Nuclear Management Course (Nuclear 400). The AF nuclear certification process-related courses follow: Nuclear Certification Process Executive Course; Nuclear Certification Process Core Course; Nuclear Certification Process Computer Based Training (CBT) Web-based Course; Nuclear Certified Equipment (NCE) Users Course and NCE Users Course CBT.

**A3.2.1. The AF Nuclear Management Executive Seminar (NMES)** is a road-mobile seminar aimed at Headquarters AFMC Directors, Division Chiefs and other staff personnel supporting nuclear weapons and nuclear weapon systems product support, logistics, maintenance and operations activities within the command. This seminar is meant to increase nuclear enterprise awareness among headquarters staff personnel and is tailored to AFMC nuclear support operations and program office environments. This seminar is a half-day course conducted at Headquarters AFMC. It can also be presented at ALC/SPO or other AFMC organizations/locations that support, acquire, sustain and maintain nuclear certified systems upon request. Requests for the AF NMES MTT will be coordinated AU/CPC-OL Course Manager. This seminar is not intended to replace the Nuclear 200-400 curriculum, but rather serves as a high level review of the nuclear enterprise.

**A3.2.2. Nuclear Fundamentals Course (Nuclear 200).** This course is aimed at AF personnel involved with nuclear enterprise operations at unit, group, wing, NAF, MAJCOM, Air Staff or COCOM organizations. This four day in-residence course is designed to enhance awareness among Airmen of the USAF nuclear mission. The course covers nuclear weapon fundamentals, force structure, nuclear stockpile guidance and planning, the DoD/AF nuclear surety program, the nuclear community, and current issues related to the USAF's nuclear mission. The focus of this course is an 'overview' of the entire nuclear enterprise for individuals that have completed at least one operational nuclear assignment and will stay core nuclear for most of their career, support function/Air Force Specialty Codes assigned to nuclear support positions, or are assigned to a nuclear unit in a supervisory or commander position and this is their first nuclear mission assignment. **Who Should Attend:** Airmen (military/civilian) identified as core nuclear E6-E7, O3-04, Civilian grades GS 9-12; Airmen

in support roles/non-core nuclear billets assigned to a nuclear unit/job for the first time in a supervisory or decision making role E7-E9, O3-O6, Civilian equivalents. Attendance is controlled by MAJCOM quota allocations.

**A3.2.3. Advanced Nuclear Concepts (Nuclear 300).** The focus of this course is for individuals who are at the 9+ year point working in the nuclear enterprise. They are 'core nuclear' and going to a position where they will be setting nuclear policy, procedures, etc. within their functional areas. Normally at the NAF Division Chief level, MAJCOM Branch Chief level or HAF/Joint O-4 AO level or higher. Also, for nuclear Air Force Specialty Codes Sq/CCs that for some reason have not attended before selection for command. **Who Should Attend:** E8-E9, O4-06 NAF/MAJCOM/HAF AOs; O-4/O-5 Squadron Leadership, civilian equivalents (grades 12-15). Attendance is controlled by MAJCOM quota allocations.

**A3.2.4. Senior Leader Nuclear Management (Nuclear 400).** The focus of this course is for senior leaders who are either: working internal to the nuclear enterprise and are usually post Sq/CC command in an O-6 level HAF/MAJCOM 3 letter billet or E-9 in similar functional expert billet or; Flag Officers and SESs that have nuclear responsibilities anywhere in their portfolio of responsibilities. **Who Should Attend:** GOs/SES with nuclear portfolios; NAF/MAJCOM/HAF Directors O-6/O-9/civ equivalents. Attendance is controlled by AETC/A10 and is by invitation. Nominations for attendance are processed through AFMC/A10.

**A3.2.5. Nuclear Certification Process-related Education.** IAW AFI 63-125, *Nuclear Certification Program*, AF personnel who are involved with acquiring, developing, modifying, managing or using nuclear certified equipment or weapon systems are required to receive training in the nuclear certification process. This is AF-directed requirement is managed jointly by AFNWC and AU/CPC-OL. AU/CPC-OL has developed courses that provide AF personnel with essential knowledge of the nuclear certification process and management of nuclear certified equipment management requirements throughout all phases of a nuclear weapon system's life cycle.

**A3.2.6. Air Force Nuclear Certification Process Course.** This course provides attendees with an understanding of the Air Force Nuclear Certification Process as prescribed by AFI 63-125, *Nuclear Certification Program*. It identifies, defines and explains the four phases of the certification process, the two major elements of Certification (Design Certification and Operational Certification) and their components. The course provides a practical discussion on the development, submittal, and approval process for the Nuclear Certification Impact Statement (NCIS) and the Certification Requirements Plan (CRP). The target audience is persons involved with acquiring, developing or managing nuclear certified equipment or weapon systems that require in-depth understanding of the nuclear certification process. The Nuclear Certification Process Course is offered in residence at the AU/CPC-OL four times a year and also via Mobile Training Team (MTT/road show). The Nuclear Certification Process Executive Course is for senior managers and personnel at Air Logistics Center/Product Center, Program Office, MAJCOM and AFMC Wing (i.e., ALC Maintenance Wing) levels involved with acquiring, developing or managing nuclear certified equipment or weapon systems. This is a course conducted on-site. A Nuclear Certification Process Course CBT is available via the Nuclear College Community of Practice (CoP) site <https://www.my.af.mil/afknprod/community/views/home.aspx?Filter=OO-AQ-MC-95>

to meet the recurring annual training requirements identified in AFI 63-125, *Nuclear Certification Program*.

**A3.2.7. The Nuclear Certified Equipment Users Course** is designed to educate personnel, at both nuclear and non-nuclear bases, on the requirements and responsibilities related to the management and handling of nuclear certified support equipment. The target audience for this class is personnel assigned NCE Manager duties and others associated with the handling, use and management of nuclear certified equipment. This course is provided via a 1 day in-residence course at the AU/CPC-OL facility (scheduled 2 times per year), MTT (by invitation from the host unit) or CBT via the Nuclear College Community of Practice (CoP) site <https://www.my.af.mil/afknprod/community/views/home.aspx?Filter=OO-AQ-MC-95>

### **A3.3. Attendance Policy:**

**A3.3.1. AF Nuclear Management Executive Seminar.** HQ AFMC directorate and division chiefs and deputies with membership on the Nuclear Issues Council (NIC) and Nuclear Issues Working Group (NIWG) will be scheduled to attend as soon as possible after arrival (this seminar is normally presented 2 times a year at HQ AFMC). HQ AFMC/A10 will coordinate with Directorates/Centers to identify and schedule staff positions required to attend this seminar. HQ AFMC/A10 will coordinate seminar presentations with AFNWC's Nuclear Education Branch (AFNWC/NCSO). Attending the Air Force Nuclear Fundamentals Course (Nuclear 200) meets the attendance requirement for this seminar.

**A3.3.2. Air Force Nuclear Professional Continuing Education Courses (Nuclear 200, 300 and 400).** HQ AFMC/A10 coordinates with Directorates/Centers to identify billets/positions within the Command required to attend these courses. This training is required for personnel in the target population whose duties relate to nuclear weapons, nuclear weapons support systems, nuclear weapons delivery aircraft, or nuclear weapons logistics aircraft.

A3.3.2.1. AFMC/A10 will schedule attendees and coordinate attendance with the AU/CPC-OL Nuclear College Registrar.

**A3.3.3. Nuclear Certification Process Executive Course.** The following personnel will be scheduled to attend the Nuclear Certification Process Executive Course as soon as practical after assignment (**Note:** This is an MTT delivered course. HQ AFMC/A10 will coordinate with AFSC, AFLCMC and ALCs and provide AU/CPC-OL the AFMC's Nuclear Certification Process Executive Course MTT presentation requirements by 30 June for the following fiscal year):

A3.3.3.1. System Program Managers (SPM) assigned to program offices with nuclear certified systems, software or equipment.

A3.3.3.2. System Support Managers and Product Group Managers (PGM) developing or modifying systems, equipment or software expected to require nuclear certification.

A3.3.3.3. Senior-level program office personnel identified by the SPM.

A3.3.3.4. Other senior AFSC, AFLCMC and ALC personnel, as designated by their respective leadership not identified in the preceding paragraphs, who supervise personnel involved with the acquisition, development, modification, or sustainment of nuclear

certified weapon systems, support equipment or software or who support the certification of nuclear weapons, weapons systems, support equipment or software.

A3.3.3.5. AFNWC Directors, Group Commanders, Squadron Commanders, Flight Chiefs and Center Staff Directors who supervise personnel involved with the acquisition, development, modification, or sustainment of nuclear certified weapon systems, support equipment or software or who support the certification of nuclear weapons, weapons systems, support equipment or software.

A3.3.4.. Nuclear Certification Process Core Course. The following AFMC personnel will complete the Nuclear Certification Process Core Course as soon as practical following assignment:

A3.3.4.1. Personnel assigned Nuclear Certification Manager (NCM) duties within AFSC, AFLCMC, ALC Program Offices, and HQ AFMC. Initial training for NCMs must be accomplished as soon as practical by attending the In-resident Nuclear Certification Process Core Course taught at Kirtland AFB. Additionally, these positions require annual recurring training which will be accomplished by attending either the in-resident course taught by the AU/CPC-OL at Kirtland AFB, the non-resident MTT course core course, or by accomplishing the Nuclear Certification Process Full Course CBT module, IAW AFI 63-125, *Nuclear Certification Program*, guidance. If using the CBT to meet this recurring training requirement, individuals will provide their supervisors with a copy of the course completion certificate.

A3.3.4.2. Program office personnel designated by the SPM (e.g., program managers, engineers, equipment specialists, safety officers, etc.) who support the acquisition, development, testing or modification of nuclear certified systems, software or equipment will receive, at minimum, initial nuclear certification process core course training. This can be accomplished by attending either the in-resident course taught at Kirtland AFB or by attending the non-resident course mobile road show course.

A3.3.4.3. Other ALC/Product Center designated personnel, as designated by center leadership, but not identified in the preceding paragraphs, involved with the acquisition, development, modification, or sustainment of nuclear certified weapon systems, support equipment or software or who support the certification of nuclear weapons, weapons systems, support equipment or software (i.e., support the SPO/Program Office NCIS development process).

A3.3.4.4. Personnel assigned to AFNWC directorates, groups, and squadrons, who support the certification of nuclear certified weapon systems, support equipment or software. This training requirement will only be accomplished by attending the in-resident core course conducted at Kirtland AFB. Refresher training shall be accomplished annually by attending the core course or completing the Nuclear Certification Process CBT. If using the CBT to meet this requirement, individuals will provide their supervisors with a copy of the course completion certificate.

A3.3.4.5. **Nuclear Certified Equipment Users Course.** Personnel assigned Nuclear Certified Equipment (NCE) program manager duties at HQs AFMC, ALCs, Program Office or unit levels will complete the Nuclear Certified Equipment Users Course as soon as possible after assignment and annual recurring training. The initial training will be

accomplished by attending the in-resident course offered at the AU/CPC-OL or the MTT-delivered course at their unit of assignment. IAW AFI 63-125, *Nuclear Certification Program*, recurring training requirements can be met by attending either the in-resident or non-resident MTT course or by accomplishing the NCE Users Course CBT. If using the CBT to meet this requirement, individuals will provide their supervisors with a copy of the course completion certificate.

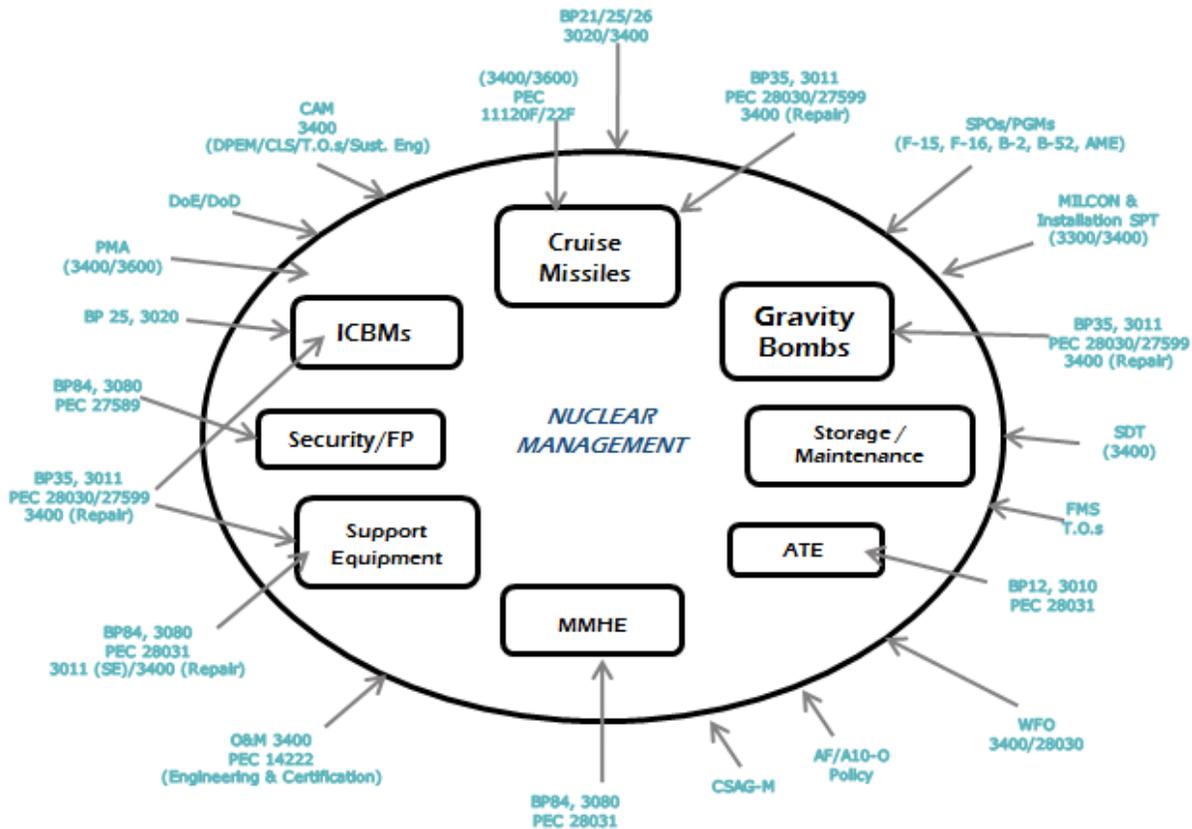
A3.3.4.6. IAW AFI 63-125 and AFI 91-101, AFMC units with nuclear surety training responsibilities will ensure nuclear certification process and NCE user concepts commensurate with their level of responsibility are incorporated into their annual nuclear surety training plans.

Attachment 4

NUCLEAR SUPPORT FUNDING PROCESS

**A4.1. Nuclear Support Profile.** Support for nuclear weapons requires the integration of several sources of funding. Nuclear surety standards dictate that senior-level management oversight priority is provided to nuclear support budget requirements. It is essential that the correct funding source is used for each requirement and that all requirements identified to meet the Planning, Programming, Budgeting and Execution (PPBE) milestones through the established processes are properly presented and advocated to MAJCOM leadership. A graphic portrayal of the nuclear support funding depicts the complexity of multiple sources of programming efforts and types of funding (**Figure 5.1**).

**Figure A4.1. Nuclear Funding Profile.**



**4.2. AFMC Nuclear Panel will:**

A4.2.1. Be chaired by AFNWC and be comprised of key Subject Matter Experts (SMEs) from HQ AFMC and the Command’s nuclear enterprise. SMEs will participate as required from across the Command.

A4.2.2. Provide focused advocacy for the nuclear enterprise in PPBE processes. The Nuclear Panel holds the responsibility of ensuring that all nuclear requirements are clearly documented and rigorously supported during PPBE exercises.

A4.2.3. Prioritize nuclear requirements submitted through the centers to HQ AFMC/A8/9 for approval/consideration by the AFMC Group and Council.

A4.2.4. Advocate for any and all nuclear requirements as agreed upon by the various Panel Chairs.

A4.2.5. Advocate for Product and Logistics Center nuclear requirements in pertinent PPBE exercises to include year of execution plans. Participate in other AFMC Panels and AFMC Corporate Structure meetings for oversight and advocacy of nuclear-related requirements regardless if they fall under the Nuclear Panel.