
187th MXG Current Officer Vacancy

Maintenance – 21M1
Authorized Grade: Maj
Classification: Line Officer
Special Qualification/Experience: (See below)
Current Vacancy Location: 187 MXG
Selecting Official: Colonel Brian Vaughn



21M4*, Staff AFSC 21M3*, Qualified AFSC 21M1*, Entry MUNITIONSANDMISSILEMAINTENANCE (Changed 31 Oct 15, Effective 26 Feb 15)

1. Specialty Summary. Manages maintenance and modification of conventional munitions, nuclear weapons, Intercontinental Ballistic Missiles (ICBM), and associated equipment. Administers weapons programs and resources. Directs weapons maintenance production, staff activity, and related material programs. Manages missile maintenance activities at launch and missile alert facilities, including maintenance, repair, and inspection of missile flight systems, expendable launch vehicles (ELV), nuclear certified support vehicles and equipment, and associated ground support equipment (SE). Serves as munitions and missile maintenance staff advisor to commanders. Related DoD Occupational Groups: 240500.

2. Duties and Responsibilities:

- 2.1. Formulates maintenance procedures for all munitions and missile systems. Builds integrated logistics support plans and develops maintenance support structures to sustain maintenance and personnel. Manages storage and distribution of Air Force munitions. Establishes training requirements and support standards of operational systems. Identifies and upgrades system deficiencies to meet mission requirements and enhance safety.
- 2.2. Assesses operational requirements and environment. Advises commanders on risks associated with conventional munitions, nuclear weapons, and missile operations. Evaluates explosives and nuclear safety criteria and develops explosives site plans for storage, movement, and operations of conventional munitions, nuclear weapons, and missiles. Conducts conventional munitions, nuclear weapons, and missile safety training.
- 2.3. Manages conventional munitions, nuclear weapons, and missile maintenance production. Recommends procedural and technical improvements and modifications. Schedules resources to ensure required readiness. Enforces technical performance standards, and ensures assigned work force is properly trained and equipped. Assesses unit capability and advises commanders, supervisors, and staff. Budgets and allocates resources. Coordinates with operational and support units to ensure equipment readiness and efficiency of assigned forces.
- 2.4. Formulates maintenance plans. Plans and programs support requirements, modifications, and modernization. Defines technical problems and economic factors related to research and development, and system application. Reviews maintenance and operational data to evaluate programs, assess trends, and identify improvements and deficiencies.
- 2.5. Plans and directs munitions support for in-place and Air Expeditionary Force operations.
- 2.6. Plans and organizes munitions and missile maintenance activities. Performs engineering functions for maintenance and operations facilities; provides space, tools, test equipment, and spare parts; establishes workflow. Develops and improves methods and procedures for assembly, checkout, calibration, and analysis of aerospace systems. Establishes performance standards for system assembly, checkout, and component replacement. Plans and coordinates booster flight profiles. Manages qualifications and validation of ELVs, including engineering proposals, hardware, and software procurement. Certifies launch readiness of flight hardware, associated facilities, and supporting test range resources. Directs DoD and civilian agencies and aerospace contractors throughout launch preparation activities.
- 2.7. Manages and coordinates activities to support intercontinental ballistic missile (ICBM) launch readiness operations. Advises commander on operational status of ICBM assets. Maintains liaison with manufacturers' representatives to solve maintenance and performance problems. Coordinates lateral logistics activities to ensure supply, transport, and funding are integrated to support mission requirements. Develops flight plans and supports ground flight software and hardware configuration. Monitors operation and performance of vehicle activities and flight dynamics. Represents logistics in development of flight procedures, mission checklists, and mission flight rules.
- 2.8. Writes munitions, nuclear weapon, and missile maintenance annexes to logistics plans. Provides weapon system data for operational and logistics support analysis. Monitors and evaluates contracted logistics and maintenance support activities.
- 2.9. Develops procedures for storing, assembling, delivering, inventory management, and testing conventional munitions, nuclear weapons, and missiles.
- 2.10. Develops procedures for, and manages, routine disposal of common US munitions.
- 2.11. Develops munitions accountability programs. Understands and manages all aspects of the Air Force munitions accountability system.

3. Specialty Qualifications:

- 3.1. Knowledge. The following knowledge is mandatory for award of the AFSC indicated:

3.1.1. 21M3A. Maintenance management procedures and organizational and mission requirements; capabilities, limitations, and basic weapons, weapons procedures, and quality assurance; supply, transportation, civil engineer, and other unit operations related to munitions, missile, or aircraft maintenance units; conventional air-to-air missiles; air-to-ground weapons including guided, rocket-boasted, and unguided munitions; dispensers and submunitions; suspension and release equipment; fuses; wiring harnesses; loading procedures; safety tests; munitions (ground) handling equipment; maintenance management; production control and maintenance data collection procedures; and lateral logistic functions related to munitions maintenance.

AFOCD, 31 October 2017

3.1.2. 21M3I. Missile and re-entry systems; suspension and release equipment; weapon employment; nuclear surety; joint nuclear procedures; related test, handling, and SE; evolution of missiles; missile operations including booster and payload processing; solid and liquid rocket performance, maintenance capabilities, limitations, and employment of missile equipment; and ICBM life cycle logistics.

3.1.3. 21M3N. Nuclear weapons and warheads; nuclear armament systems; suspension and release equipment; nuclear weapons employment; Munitions Accountable Systems Officer responsibilities; nuclear weapons maintenance, life cycle management, and inspections; nuclear surety; nuclear theory, effects, and components; nuclear weapons storage; nuclear weapons movement; nuclear weapons physical security; nuclear weapons transportation; nuclear weapons maintenance documentation, records and reports; and joint nuclear procedures.

3.2. Education. For entry education requirements see Appendix A, 21M CIP Education Matrix. (See chart below)

3.3. Training. The following training is mandatory for award of the AFSC indicated:

3.3.1. 21M1. Completion of the Munitions and Missile Maintenance Officer Fundamentals Course and Nuclear Fundamentals Course is mandatory and a prerequisite for attending specialty shredout courses.

3.3.2. 21M1A. Completion of Conventional Munitions Officer Course.

3.3.3. 21M1I. Completion of Missile Maintenance Officer Course.

3.3.4. 21M1N. Completion of Nuclear Maintenance Officer Course.

3.4. Experience. The following experience is mandatory for award of the AFSC specialty shredout indicated:

3.4.1. 21M3A. A minimum of 24 months experience managing conventional munitions maintenance activities are mandatory.

3.4.2. 21M3I. A minimum of 24 months experience managing ICBM maintenance activities are mandatory.

3.4.3. 21M3N. A minimum of 24 months experience managing nuclear weapons maintenance activities and completion of Career Field Education and Training Plan requirements are mandatory. Completion of Nuclear Accountability Course is required within 24 months of assignment.

3.5. Other.

3.5.1. For entry into this specialty (ANG and AFRC officers exempt), accessions must be screened for eligibility and meet requirements of the Personnel Reliability Program (PRP) as outlined in the HQ AETC PRP prescreening guidance.

3.5.2. Specialty requires routine access to Top Secret material or similar environment. For award and retention of AFSCs 21MXX, completion of a current Single Scope Background Investigation (SSBI) according to AFI 31-501, *Personnel Security Program Management* is mandatory.

4. *Specialty Shredouts:

Suffix A-Conventional I-ICBM N-Nuclear

21M – Munitions and Missile Maintenance

Tier	Target Accession Rate	CIP	Education Program Description	Requirement
1	> 10%	14.01XX	Engineering, General	Desirable
		14.02XX	Aerospace, Aeronautical and Astronautical Engineering	
		14.10XX	Engineering	
		14.18XX	Materials Engineering	
		14.19XX	Mechanical Engineering	
		14.20XX	Metallurgical Engineering	
		14.23XX	Nuclear Engineering	
		14.27XX	Systems Engineering	
		14.35XX	Industrial Engineering	
		14.36XX	Manufacturing Engineering	
		14.41XX	Electromechanical Engineering	
2	> 35%	11.01XX	Computer and Information Sciences	Desirable

Must meet qualifications standards as outlined in ANGI 36-2005 which include the following but are not limited to:

- AFOQT score of **Verb 15, Quant 10**
- Applicant may be Non-Prior Service or Prior Service.
- Current members must have a current medical Physical Health Assessment (PHA) and meet current fitness requirements. For Non-Prior and Break-in-Service applicants, must have a qualifying MEPS physical (schedule with Officer Recruiter if selected).

- For award and retention of 21A1, specialty requires access to Secret or similar environment and completion of a current Single Scoped Background Investigation (SSBI) according to AFI 31-501, *Personnel Security Program Management*.
NOTE: Award of the entry level without a completed SSBI is authorized provided an interim Secret clearance has been granted according to AFI 31-501.

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Application package must include the following and in the order listed:

- Current Resume (include Civilian *and* Military (if applicable) Employment History).
- AFOQT Test Scores.
- AF Form 24, Application for Appointment as Reserve of the AF or USAF without Component (ONLY for non USAF, AFRES, or ANG officers).
- AF Form 1288, Application for Ready Reserve Assignment (ONLY for current USAF, AFRES, or ANG officers). Page 2 will be completed if selected.
- AF Form 2030, USAF Drug and Alcohol Abuse Certificate. Annotate any drug usage (frequency/drug type) in the remarks section. Section IV will be completed if selected.
- Current Records Review RIP (ONLY for current military members and must be current within 6 months).
- Statement of Agreement and Understanding.
- DD Form 214, Certificate of Release/Discharge from Active Duty (ONLY for prior service applicants or current military members; include ALL copies).
- DD Form 785, Record of Disenrollment from OCS (if applicable).
- Officer Performance Reports (OPRs) or equivalent (ONLY for prior service officers).
- Copy of all Postsecondary Education Transcripts.
- Letters of Reference (optional, but encouraged; 3 maximum).

Air Force (AF) Forms can be found at <http://www.e-publishing.af.mil/>

Application must be mailed (if mailed notify MSgt Word), e-mailed (PDF single file), or dropped off to the following address/e-mail by **22 February 2018:**

Alabama Air National Guard
Master Sergeant Mark Word
Recruiting and Retention Manager
5187 Selma Highway
Montgomery, AL 36108
mark.e.word.mil@mail.mil
334-221-7277