

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

**AIR FORCE MISSION DIRECTIVE 56**

**3 AUGUST 2022**



**Mission Directive**

**AIR FORCE AGENCY FOR MODELING  
AND SIMULATION (AFAMS)**

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(Major General Albert G. Miller)

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This directive states the mission, defines the command structure, and establishes the responsibilities of the Air Force Agency for Modeling and Simulation (AFAMS). Refer recommended changes and questions about this publication to the office of primary responsibility (OPR) using the DAF Form 847, *Recommendation for Change of Publication*; route DAF Forms 847 from the field through the appropriate functional chain of command. Ensure all records generated as a result of processes prescribed in this publication adhere to Air Force Instruction (AFI) 33-322, *Records Management and Information Governance Program*, and are disposed in accordance with the Air Force Records Disposition Schedule in the Air Force Records Information Management System.

**SUMMARY OF CHANGES**

This document is substantially revised to reflect the current responsibilities of the Agency and must be completely reviewed.

**1. Mission.** The Air Force Agency for Modeling and Simulation (AFAMS) is a Field Operating Agency of the Headquarters Air Force that is subordinate to the Deputy Chief of Staff, Operations (AF/A3). Its mission is to champion multi-domain training and readiness focused Modeling and Simulation (M&S) concepts, develop capability-based requirements, conduct studies and analysis, foster collaboration, and drive solutions to advance Airmen preparedness and lethality.

1.1. As noted in DAFPD 16-10, *Modeling and Simulation*, M&S takes a variety of forms, including but not limited to equations, computer programs, digital twins, emulators, scaled physical representations, and simulators.

1.2. AFAMS promotes M&S approaches enabling the accurate digital representation of multi-domain capabilities, across all classification levels, to ensure warfighter needs are met now and into the future.

**2. Command.** The AFAMS Commander:

2.1. Reports to the Director of Training and Readiness, Deputy Chief of Staff for Operations, Headquarters Air Force, Washington, D.C. (AF/A3T).

2.2. Organizes, trains and equips AFAMS personnel with the resources and infrastructure needed to accomplish the AFAMS mission and support other tasks, as directed.

2.3. Exercises direct liaison authority with Department of Defense, Combatant Commands, Joint and Department of the Air Force organizations, coalition partners, North Atlantic Treaty Organization (NATO), other government agencies, academia, industry, and research institutions within scope of the AFAMS mission set and in concert with the DAF M&S governance structure.

**3. Responsibilities.** The AFAMS shall:

3.1. Develop capability-based M&S requirements in support of Training and Readiness.

3.1.1. Sponsor and manage service-wide, operationally focused M&S requirements.

3.1.2. Ensure appropriate representation at USAF and Joint multi-domain training events.

3.1.3. Ensure M&S requirements support and facilitate integrated, realistic and efficient operational training across warfighter domains.

3.2. Conduct studies and analysis for USAF M&S-related Training and Readiness enterprise initiatives.

3.2.1. Conduct studies to inform development and facilitate the implementation of USAF M&S policy.

3.2.2. Oversee Operational User Evaluations of M&S capabilities.

3.2.3. Analyze M&S capabilities and approaches to inform implementation decisions.

3.3. Lead integrated Training and Readiness efforts by unifying community stakeholders.

3.3.1. Foster data and technical standards collaboration and active data sharing.

3.3.2. Steward AF M&S technical standards and data management strategy.

3.3.3. Deepen joint/interagency M&S interoperability to enhance training capabilities.

3.3.4. Inform policy and facilitate the implementation of USAF M&S Data Management Governance.

3.4. Drive the innovation environment to enable Training and Readiness capabilities.

3.4.1. Revolutionize technical principles and best practices to align M&S architecture and infrastructure with Department of Defense (DoD) technology guidance.

- 3.4.2. Lead transformation efforts that accelerate change and encourage the M&S community to adopt innovative technologies, processes, and practices.
- 3.4.3. Lead engagement with DoD, industry, and academia on innovation activities.
- 3.5. Enable warfighter Training and Readiness through the application of M&S.
  - 3.5.1. Support AF/A3T Authorizing Official with implementing the information technology Risk Management Framework program for Operational Training and Test Infrastructure (OTTI).
  - 3.5.2. Inform policy and facilitate the development of M&S workforce.
  - 3.5.3. Provision contract support through AFAMS M&S Support Services contract.
  - 3.5.4. Oversee all components of the Air, Space, and Cyberspace Constructive Environment (ASCCE), as well as follow-on efforts. This includes, but is not limited to: requirements management and subsequent sponsoring / advocating for needed capabilities; oversight of user test and integration activities; participating in development reviews and software baseline certification; and providing subject matter expert support for related exercise planning, execution, and after-action review events.

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