

AIR FORCE AGENCY FOR MODELING AND SIMULATION



MISSION

The Air Force Agency for Modeling and Simulation is a field operating agency of the Warfighter Systems Integration and Deployment Directorate, Warfighting Integration and Chief Information Officer, Secretary of the Air Force. The Agency is located in Orlando's Central Florida Research Park, with DoD, Joint, service, contractor, and educational organizations focused on modeling and simulation. Proximity to these other agencies offers the Air Force the maximum leverage and advantage of the developing programs and technologies enhancing the Air Force ability to provide ready forces.

The Air Force Agency for Modeling and Simulation's primary missions are to implement Air Force, joint and Department of Defense modeling and simulation policies, architectures, and standards. They support the development and use of the Realistic Global Battlespace for training, analysis, acquisition, test and evaluation, and operations; and support corporate Air Force modeling and simulation, planning, requirements and investments, and facilitate the establishment, transition and integration of major Air Force modeling and simulation, initiatives and programs.

Air Force Agency for Modeling and Simulation shapes Air Force decision making, mission rehearsal and execution; supports cross-cutting initiatives such as Distributed Mission Operations and the Air Force-Integrated Collaborative Environment; promotes and supports technology improvements; oversees the Air Force modeling and simulation, Force Development program and manages Air Force modeling and simulation. Information Services, which includes the Air Force modeling and simulation. Resource Repository, modeling and simulation. databases and decision support vetting tools, document library, reflectors, Event Planning System, Air Force modeling and simulation. Calendar, and numerous other collaboration tools. The C4ISR Visualization Center is the Air Force Agency for Modeling and Simulation Pentagon Operating Location providing a portal into exercises, experiments, demonstrations, and real-world events occurring throughout the Air Force and DoD.

Air Force Agency for Modeling and Simulation is organized into three divisions: Operations Application Division; LVC Programs Division; and Foundations Division.

The Operations Application Division is divided into five functional areas: Distributed Mission Operations Air Operations Center Training Support, Event Support, Security and Live, Virtual, Constructive/Range Integration. Distributed Mission Operations connects geographically separated organizations using LVC simulations to meet Air Force, Joint, Interagency and Coalition training objectives. Air Operations Center Training Support assists the Warfighting Headquarters and Numbered Air Forces meet Air Operations Center training requirements through the use of modeling and simulation tools. Event Support includes operating and integrating models and simulations in support of planning and execution of Air Force, Joint, Interagency and Coalition events, exercises and mission rehearsals to train warfighters and battle staffs in the full spectrum of operations. Security addresses issues arising with networked simulations that transfer/receive data across varying levels of classification including multi-level security, multi-national information sharing, cross domain solutions, distributed training network guards, etc. Live, Virtual, Constructive Live, Virtual, /Range Integration promotes integrated Live, Virtual, solutions across the Air Force including the live test and training ranges.

The Live, Virtual, Programs Division is responsible for identifying requirements for modeling and simulation support to the warfighter, program oversight to the Air and Space, Cyber Constructive Environment, certification and accreditation efforts, and the identification and possible integration of environment generators across the Air Force to support training; the identification of requirements focus on capabilities to support Numbered Air Force/Air Operations Center, which includes Intelligence and Cyberspace. A focus is also placed on obtaining the necessary funding from various sources within the Air Force, other Services and Joint communities to address needed capabilities.

The Foundations Division is divided into two branches: Workforce Development/Outreach and Standards. The Workforce Development/Outreach Branch is responsible for growing a group of senior leaders that will understand, trust and is willing to exploit what modeling and simulation has to offer. The Standards Branch ensures the Air Force has interoperable standards, protocols, architectures and databases for our simulations supporting training, acquisition, experimentation and analysis.

LINEAGE

Air Force Agency for Modeling and Simulation constituted and activated as field operating Agency of the USAF, 3 Jun 1996

STATIONS

Orlando, FL

ASSIGNMENTS

COMMANDERS

Col Jimmy H. Wilson, #1997
Col Ricky R. Ales, #2001
Col Grant F. Herring, #2002
Col David M. Votipka, #2004
Col Louis W. Olinto, #2007
Col James E. Dennis, #2008
Col Marcus A. Boyd, #2009

HONORS

Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

EMBLEM

Per bend sinister Sable and Azure a lightning flash bendwise sinister Or, overall a mullet Argent charged with a torteau below and between a pair of wings expanded of the third, all between in chief four mullets in fess and a base nebuly White, all within a diminished bordure Yellow. Attached below the shield, a White scroll edged with a narrow Yellow border and inscribed "AF AGENCY FOR MODELING & SIMULATION" in Blue letters. **SIGNIFICANCE:** Ultramarine blue and Air Force yellow are the Air Force colors. Blue alludes to the sky, the primary theater of Air Force operations. Yellow refers to the sun and the excellence required of Air Force personnel. The divided shield with nebuly base simulates the earth and space environment of current and envisioned future primary theaters of Air Force operations. The lightning bolt reflects the striking capability of aerospace power and the unit's efforts to maintain that strength. The four stars in chief represent the summit that established the Agency in 1995. The star and wings at center symbolize the history and dedication of unit personnel of the Agency's parent organization.

MOTTO

OPERATIONS

USAF Unit Histories
Created: 1 Jan 2023
Updated:

Sources

Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.