



The MITRE Corporation's Center for Advanced Aviation System Development

The MITRE Corporation's Center for Advanced Aviation System Development (MITRE/CAASD) is a federally funded research and development center (FFRDC) sponsored by the Federal Aviation Administration (FAA). The MITRE Corporation, a not-for-profit national resource provides systems engineering, research and development, and information technology support to governments around the globe. MITRE/CAASD supports the FAA and other civil aviation authorities from its facilities in McLean, Virginia, about 20 minutes from Washington, D.C.



MITRE/CAASD carries out highly technical engineering and operational analyses, system development, and system specification activities to help the FAA and our other civil aviation sponsors around the world, to plan, develop, acquire, and implement new capabilities that modernize air traffic management (ATM) systems. With its long and distinguished history, MITRE/CAASD is able to recognize and understand the concerns of our civil aviation sponsors, especially the need for a safe and efficient ATM environment in conformance with the standards and recommended practices of the International Civil Aviation Organization (ICAO). Our analyses and recommendations carefully account for the unique circumstances that characterize each country's civil aviation posture. We can assist in the selection and implementation of the best system tailored to the local situation.

MITRE/CAASD adds value to all ATM modernization programs and helps accomplish national objectives for evolving ATM systems to be capable of handling anticipated increases in traffic and greater diversity of aircraft.

MITRE/CAASD focus areas include:

- Architecture and System Engineering
- Airport Capacity Improvements
- Advanced Decision Support Systems
- Global Communications, Navigation, and Surveillance
- Collaborative Decision Making
- Modeling, Simulation, and Advanced Development

MITRE/CAASD is committed to working in partnership with civil aviation organizations throughout the world to develop harmonized and integrated systems that promote safe and efficient global air traffic management. Our innovations in areas such as advanced automation systems for controller training, performance-based air traffic management systems for increased controller productivity and increased user benefits, conflict probe and resolution, the application of Automatic Dependent Surveillance-Broadcast, Global Positioning System modeling, the National Airspace System Report Card and other performance measuring capabilities, and the Traffic Alert and Collision Avoidance System (TCAS) have greatly influenced current trends in traffic control and management. MITRE/CAASD's leadership on these and other projects is made possible by our unique combination of values and characteristics: an emphasis on quality, integrity, and objectivity; a long-term perspective and corporate memory; and the merging of operational, technical, and programmatic expertise.

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