

Aeronautical Information Management Modernization (AIMM) – An Essential Building Block of the New National Airspace Systems (NAS)

AIMM is an essential building block of the architecture of the 21st century NAS. We are transforming the inefficient legacy *aeronautical data* of today into the digital *Aeronautical Information (AI)* of tomorrow. Instead of using the antiquated, point-to-point, application-specific data interfaces, AIMM will use internationally adopted open standards, bringing AI into the FAA's Service Oriented Architecture (SOA) via System Wide Information Management (SWIM) compliant services and infrastructure. As a result, AI will be transitioned into the relevant, timely, commonly understandable information promised by Next Generation Air Transportation System (NextGen).

As the FAA shifts to smarter, satellite-based, and digital technologies, new procedures will make air travel more convenient, predictable and environmentally friendly.

The FAA's Strategic Initiatives call for investing in a strong aerospace foundation over the next four years. One of those initiatives to "Deliver benefits through technology and infrastructure" includes AIMM, an infrastructure program that presents a tremendous opportunity to make a difference for stakeholders. AIMM contributes to this vision of the NAS by providing integrated digital information through:

External Web Internet Portal: AIMM will establish an interface for users outside of FAA NAS systems to relay AI via the public Internet. This web portal will become a "One Stop Shop" for external aviation operations personnel to obtain needed AI.

External and Legacy System Integration: AIMM will establish functional two-way data exchange with other systems using SOA principles. This will allow NAS users to subscribe AI by establishing a connection between their systems and AIMM data distribution systems.

