



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Office of the Administrator

800 Independence Ave., S.W.  
Washington, D.C. 20591

**FEB 23 2010**

The Honorable Daniel K. Inouye  
Chairman, Committee on Appropriations  
United States Senate  
Washington, DC 20510

Dear Mr. Chairman:

Senate Report 110-131, Transportation and Housing and Urban Development, and Related Agencies Appropriations Bill, 2008, included a requirement for the Federal Aviation Administration to submit a report to the Committee regarding the System Wide Information Management (SWIM) program, detailing the budget and connectivity of SWIM and the other systems and programs.

The enclosed report provides FAA's updated response to the Committee's request.

Identical letters have been sent to Chairman Obey, Senator Cochran, and Congressman Lewis.

Sincerely,

J. Randolph Babbitt  
Administrator

Enclosure



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**FEB 23 2010**

The Honorable David R. Obey  
Chairman, Committee on Appropriations  
United States Senate  
Washington, DC 20510

Dear Mr. Chairman:

Senate Report 110-131, Transportation and Housing and Urban Development, and Related Agencies Appropriations Bill, 2008, included a requirement for the Federal Aviation Administration to submit a report to the Committee regarding the System Wide Information Management (SWIM) program, detailing the budget and connectivity of SWIM and the other systems and programs.

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The Honorable Thad Cochran  
Committee on Appropriations  
United States Senate  
Washington, DC 20510

Dear Senator Cochran:

Senate Report 110-131, Transportation and Housing and Urban Development, and Related Agencies Appropriations Bill, 2008, included a requirement for the Federal Aviation Administration to submit a report to the Committee regarding the System Wide Information Management (SWIM) program, detailing the budget and connectivity of SWIM and the other systems and programs.

The enclosed report provides FAA's updated response to the Committee's request.

Identical letters have been sent to Chairmen Inouye and Obey and Congressman Lewis.

Sincerely,

A handwritten signature in black ink, appearing to read "J. R. Babbitt".

J. Randolph Babbitt  
Administrator

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**FEB 23 2010**

The Honorable Jerry Lewis  
Committee on Appropriations  
United States Senate  
Washington, DC 20515

Dear Congressman Lewis:

Senate Report 110-131, Transportation and Housing and Urban Development, and Related Agencies Appropriations Bill, 2008, included a requirement for the Federal Aviation Administration to submit a report to the Committee regarding the System Wide Information Management (SWIM) program, detailing the budget and connectivity of SWIM and the other systems and programs.

The enclosed report provides FAA's updated response to the Committee's request.

Identical letters have been sent to Chairmen Inouye and Obey and Senator Cochran.

Sincerely,

J. Randolph Babbitt  
Administrator

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# **Report to Congress System Wide Information Management (SWIM)**

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**800 Independence Ave., SW  
Washington, DC 20951**

**January 2010**

## Report to Congress

### System Wide Information Management (SWIM)

#### Overview

The System Wide Information Management (SWIM) Program is being developed as the focal information management and data sharing system for the Next Generation Air Transportation System (NextGen). SWIM will ensure that information provided by NextGen systems is made available to the aviation community. It will leverage existing programs, systems and networks, and be able to integrate technologies introduced into NextGen. SWIM is based on technologies that have been proven in the business community and in both operational and demonstration environments, which reduce cost and developmental risk.

SWIM is planned for implementation in a series of segments. Segment 1, which comprises nine Air Traffic Management (ATM) capabilities, is planned for implementation in the time period 2009-2015. The SWIM capabilities in Segment 1 will be implemented by other programs, known as SWIM Implementing Programs (SIPs). The tables on pages 2, 3, and 4 list the Segment 1 SIPs and their allocated funding. SWIM will provide standards/guidance to National Airspace System (NAS) programs that provide the capabilities that comprise Segment 1 (referred to as the implementing programs) on core capabilities to publish data to the network, retrieve it, secure its integrity, and control its access and use.

The SWIM program is developing and providing Governance to all participating NAS programs. Included in this Governance are policies and standards to support data management, a policy server, registry (off-line), and commercial software to support implementation of the core information management services. This commercial software will be used by applications to publish data to the NAS and approved non-NAS users, to secure its integrity, and to control its access and use in the NAS wide area network provided by the FAA Telecommunications Infrastructure (FTI) program. A contract for SWIM Service Container software was awarded in August 2008 to IONA Technologies of Waltham, Massachusetts (since purchased by Progress Software Corp. of Bedford, Massachusetts).

**SWIM Plan \***

<b>Fiscal Year 2009 Planned Work</b>	<b>Capital investment Plan</b>
<p><b>SWIM:</b></p> <ul style="list-style-type: none"> <li>- Establish initial SWIM registry at the FAA William J. Hughes Technical Center</li> <li>- Begin SIP training on IONA Technologies Service Container software</li> <li>- Monitor SIP system engineering and development</li> <li>- Complete Final Investment Analysis for Segment 1 Fiscal Year 2011-2013 baseline</li> <li>- Identify Segment 2 capabilities and prepare the preliminary requirements specification for Segment 2</li> <li>- Prepare for Final Investment Decision for Segment 2</li> </ul>	<p><b>\$12.45 million</b></p>
<p><b>Other Programs (SIPs):</b></p> <ul style="list-style-type: none"> <li>- Requirements definition and design for AIM portion of SUA Automated Data Exchange capability</li> <li>- Requirements definition and begin design for ITWS Data Publication</li> <li>- Requirements definition and begin design for PIREP Data Publication</li> <li>- Continue requirements definition and begin design for Initial Flight Data Services</li> <li>- Requirements analysis for TFM capabilities</li> <li>- Requirements definition for TDDS</li> <li>- Develop CIWS Initial Services and begin operations</li> </ul>	<p><b>\$28.15 million</b></p> <ul style="list-style-type: none"> <li>\$2.8 million to AIM</li> <li>\$600,000 to ITWS</li> <li>\$1.4 million to ERAM \$800,000 million to WMSCR</li> <li>\$20.2 million to ERAM</li> <li>\$1.0 million to TFM</li> <li>\$800,000 to TDDS</li> <li>\$550,000 to CIWS</li> </ul>

\*Note. An index of acronyms is on page 4



## Acronyms

AIM	Aeronautical Information Management
ATM	Air Traffic Management
CIWS	Corridor Integrated Weather System
ERAM	En Route Automation Modernization
FTI	FAA Telecommunications Infrastructure
ITWS	Integrated Terminal Weather System
NAS	National Airspace System
NextGen	Next Generation Air Transportation System
PIREP	Pilot Report
SUA	Special Use Airspace
SWIM	System Wide Information Management
SIP	SWIM Implementing Program
TDDS	Terminal Data Distribution System
TFM	Traffic Flow Management
WMSCR	Weather Message Switching Center Replacement