

# Automated Identity Management System

## Automated Workflow and Web Publishing Tool for Biometric Intelligence Analysis Reports

In today's complex environment, organizations need automated systems and tools for managing workflow. By investing in cost-effective technologies, organizations can streamline workflow processes and improve efficiency. Organizations face a myriad of challenges today. Solving those challenges requires detailed analysis of current and emerging processes.

### Booz Allen Value Proposition

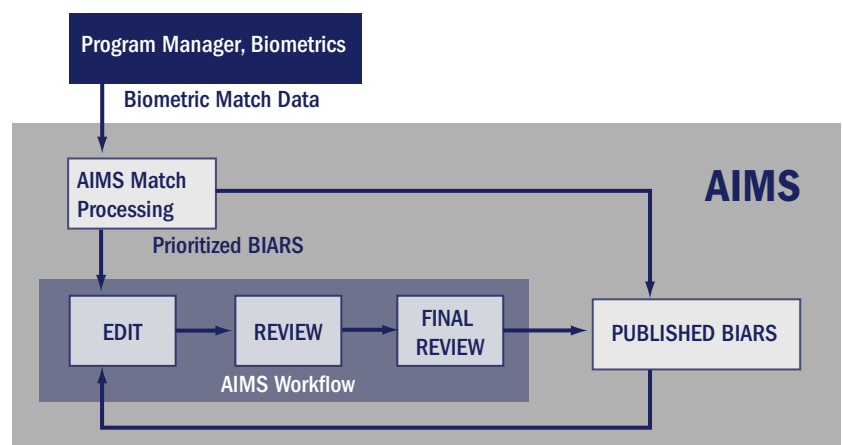
Our professionals at Booz Allen Hamilton, a global strategy and technology consulting firm, have a long, successful track record of helping our government and military clients succeed. We work closely with organizations to help them function more efficiently. Booz Allen has extensive experience in helping clients develop automated systems tailored to their needs.

### Booz Allen Service Offering

Biometric Analysis Cell (BAC) analysts at the National Ground Intelligence Center (NGIC) needed a workflow and publishing tool to automate the creation and dissemination of Biometric Intelligence Analysis Reports (BIAR). In June 2005, the Commander, NGIC, established the Automated Identity Management System (AIMS) to meet this need. Before AIMS, analysts manually created, prioritized, and distributed all BIARs.

Developed by Booz Allen, AIMS is the primary dissemination medium for BIARs. Using AIMS, BAC analysts are now able to efficiently manage, search, edit, and publish biometric analysis reports. As shown in the figure, BIARs are managed through the AIMS

Workflow, which defines states in the BIAR publishing process. AIMS receives biometric match data generated from searches of the Program Manager (PM), Biometrics Automated Biometric Identification System (ABIS).



### About Booz Allen

Booz Allen Hamilton has been at the forefront of strategy and technology consulting for 95 years. Providing a broad range of services in strategy, operations, organization and change, information technology, systems engineering, and program management, Booz Allen is committed to delivering results that endure. To learn more, visit [www.boozallen.com](http://www.boozallen.com).

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AIMS creates initial BIARs from PM Biometrics match data. Based on user-configurable rules, initial BIARs are assigned a priority and added to the AIMS publishing workflow. Assigned roles determine what actions a user can take on a BIAR in the AIMS Workflow. Every metric captured for a workflow process can be output to a report.

AIMS consists of three components:

- **AIMS Queue**—provides a detailed view of the AIMS Workflow. Users can view a table of summary records listing BIAR priority, attached sensors, subject names, file status, and file owner. The AIMS Queue allows users in appropriate roles to search, assign, check out, preview, delete, submit, and publish BIARs. All workflow actions are managed from the Queue, ensuring process integrity. Every action is tracked and logged by timestamp and user and then permanently stored.
- **AIMS Editor**—provides a structured environment in which analysts can compose and edit BIARs in standard IC-MSP (ICML) XML. BIARs contain biometric and biographical information collected from sources in the field, threat and intelligence assessments, and a recommended course of action. Analysts may add other relevant data (e.g., mug shot photos, scanned fingerprint images) to the match record through the Editor. To facilitate accurate authoring, AIMS Editor offers field validation, auto image classification, and auto-complete classification labeling for analysis text.
- **AIMS Web**—provides a website through which AIMS users can access published BIARs. AIMS Web provides comprehensive, fielded search of published BIARs and dynamic output to Portable Document Format (PDF), HyperText Markup Language (HTML), or plain text. All BIARs are generated dynamically, ensuring that the most current system information is available to the user.

In summary, AIMS—

- Is a real-time, automated workflow and web publishing tool for BIARs
- Is now in production at NGIC, Charlottesville, VA
- Has a robust client/server architecture
- Is built with Java and proven, open source components
- Is remotely distributable through Java Web Start
- Provides fully IC-MSP (ICML) compliant document publication

In addition to this service offering, Booz Allen provides digital production and software development services to NGIC.