

▼ NG-ABIS

Next Generation Automated Biometric Identification System



We are fighting a new war without borders, uniforms, or defined lines of battle. We face an enemy that attempts to disguise the identities and allegiances of its fighters. Our Warfighters must have reliable information about the people they encounter to determine potential threats. Does the person have a criminal record? Have they previously been detained at a checkpoint, encountered on a suspicious water craft, used false Identity Documents, been denied entry into the U.S., or associated with illegal activity? Next Generation-Automated Biometric Identification System (NG-ABIS) gives our military forces, those deployed to faraway places the ability to separate friend from foe through the use of biometrics.

Supporting the Warfighter

NG-ABIS is the central repository and authoritative source for Department of Defense multi-modal biometric identity records for known or suspected terrorists. As the lead system integrator for NG-ABIS, Northrop Grumman and its team members have delivered the first-of-its-kind enterprise multi-modal biometric repository to support the Warfighter. NG-ABIS is the strategic level authoritative identity data repository for DoD biometrics, replacing the prototype ABIS system. NG-ABIS provides storing and matching of biometric data on persons of interest. With NG-ABIS's higher accuracy and speed,

biometrics gathered by our forces on detainees, enemy combatants and persons of interest as national security threats - can be compared against lists of criminals and known or suspected terrorists (KSTs). Data is also searched against other databases for any possible matches. NG-ABIS provides the ability to match biometric data to stored information to deny anonymity. Reliable and timely responses inform Warfighters so that they can take appropriate action, protecting our citizens.

Separating Friend from Foe

An Integrated Solution

As the strategic partner to the customer, Northrop Grumman refined the requirements, incorporating lessons learned from legacy systems, to create a turn-key solution that takes biometric technology to the next generation. The expanded NG-ABIS capabilities include:

- Multi-modal biometrics (face, finger, iris, and palm)
- Increased capacity, matching speeds, lights-out processing (matching without human intervention)
- Interfaces with other agency data systems, such as the FBI Integrated Automated Fingerprint Identification System (IAFIS)
- SOA architecture for scalability, expandability and to minimize development and speed deployment
- Modified commercial off-the-shelf (COTS) products
- Leverages low-risk, cost-effective blade hardware to optimize system availability and scalability
- Netcentric enterprise central database accessible worldwide

A Variety Of Missions

NG-ABIS supports a variety of missions as diverse as Force Protection, or Base access. NG-ABIS is key to generation of Actionable Intelligence, law enforcement, Urban Operations,

Capabilities

- ✓ Multi-modal Biometrics Repository
- ✓ Identity Enrollment, Vetting
- ✓ Storage, Collection, Matching
- ✓ Face, fingerprint, iris, and palm
- ✓ Near-real-time reciprocity
- ✓ One-to-one Verification
- ✓ One-to-many Identification
- ✓ NIST Standards Compliant
- ✓ Matches against millions of records quickly
- ✓ Open architecture for quick technology insertion and migration
- ✓ Multi-modal fusion to increase accuracy

IED Defeat, Site Exploitation, Forensics, and HUMINT collection. As one of the leading providers of biometric solutions to the US Government and international customers, through programs such as the ABIS, BISA, BIR, DBIDS and IDENT1, Northrop Grumman possesses unparalleled experience providing technical, management and engineering support services as well as delivering complete biometric solutions and technology development programs.

Northrop Grumman Information Systems is a leading global provider of advanced solutions that deliver timely, enabling information to where its needed most for its military, intelligence, civilian, state and local and commercial customers. We are a \$10 billion business employing approximately 35,000 employees with offices in 50 states and 18 countries.

Contact Us

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