

NBSP

One Year Later A Status Report



National Biometric Security Project Mission

Assist government and private sector organizations to deter or detect terrorist attacks on the civil infrastructure by enhancing effective, automated, human identification through the application of proven biometric technologies.



NBSP Organization

- Non-Profit 501(c) 3
- Non-Competitive
- Independent
- Exclusive focus on biometrics
- Exclusive focus on infrastructure security



NBSP Objectives

- Create & sustain a ready, reliable, credible resource for those charged with the responsibility to identify, select, acquire, and employ biometric technology
- Promote, support, and perform research on any aspect of the technology that:
 - (1) improves the capability of techniques and integration;
 - (2) increases the ability to measure and assess performance;
 - (3) reduces vulnerabilities in the operating environment;
 - (4) supports and expands compliance with standards;
 - (5) minimizes social impact on individuals and community.
- Create a highly capable and fully credible source for the test and evaluation of any and all aspects of the technology and its planned applications



NBSP Objectives (cont)

- Create a broad spectrum data resource related to the technology that includes: sources, characteristics; performance; test results; economics; usage guidelines; vulnerabilities; countermeasures; and capabilities.
- Ensure that all of these objectives and the work efforts derived there-from, remain focused on public service and public safety in an environment of optimum personal freedom and privacy.



Biometrics for National Security (BiNS)

➤ **STANDARDS AND REQUIREMENTS**

Accelerate the process of development and adoption of requirements and standards for compatibility, interoperability, performance, and reliability

KEY INITIATIVES

- NBSP represented on all national and international standards bodies
- NBSP and BMO(DoD) collaborate in standards development
- NBSP directly supports the NIST standards program
- Completed a study of the “state of standards” related to biometrics.
Defines what is current and useful and what must be done for effective and practical use of the technology for the long-term
- Helped define requirements for EITS and US Visit Programs



BiNS (cont)

➤ **TEST and EVALUATION**

Developing independent multi-faceted testing program to complement BMO and other government test projects.

KEY INITIATIVES

- Established the Test, Research, and Data Center (TRDC) in WV for focus on primary work efforts
- Performed early testing in support of US Visit Program
- Organizing a test program for:
 - (1) Conformance (to standards) testing
 - (2) Commercial product capability to meet vendor claims and user requirements
 - (3) Multi-level evaluation of new technologies at federal user requests
 - (4) Assessment of new metrics for common denominator evaluation of dissimilar technologies



BiNS (cont)

➤ RESEARCH AND ENGINEERING

Supporting/performing research to meet technology and usage improvement objectives

KEY INITIATIVES

- Completed a first-phase study of current technology vulnerabilities as a foundation for proposed improvements in defensive characteristics
- Supported ongoing research initiatives in several agencies
- Organizing a focused effort for technology application in information assurance and non-repudiation



BiNS (cont)

➤ **PLANNING AND ACQUISITION DATABASE**

Creating a comprehensive and accessible data base on biometric technology

KEY INITIATIVES

- Designed the basic architecture for a new DB, technical implementation in progress;
- Acquired the IT system to support the DB;
- Supporting NIST and TSA in development of a neutral technology image collection program;
- Initiated development of the Biometric Technology Application Manual (BTAM), a user reference publication that will be maintained on a current basis.



BiNS (cont)

➤ **SOCIAL IMPACT**

Evaluate impact of biometric applications on privacy, civil liberties, and cultural environments. Define process to minimize intrusion and enhance public acceptance.

KEY INITIATIVES

- Extensive study of current US federal laws that affect biometric application. Define areas requiring clarification
- Study defining best practices for “collection, storage, and use of biometric data”
- Organizing a program to define and develop a “high confidence” secure data base for storage of biometric data;
- Initiated a study of non-US laws and cultural issues in biometric use.



Summary

YEAR ONE GOALS

- Establish foundation for future by defining where we are today in standards, research, testing, training, and data availability
- Organize the NBSP infrastructure (staff/subcontractors/consultants) to address the need
- Define the practical and near-term goals for progress
- Respond to the urgent needs of the federal community while performing on the long-term program

1st year Grade: B+

