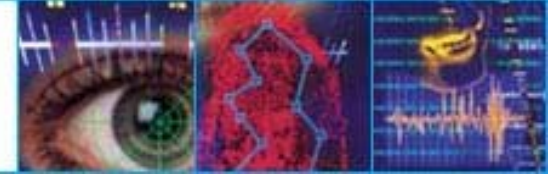# Biometric Consortium Conference, 2003

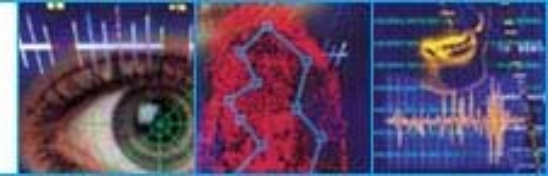## National Biometric Security Project Overview

John Siedlarz

"Who steals my purse steals trash; 'tis something, nothing; 'twas mine, 'tis his, and has been slave to thousands;

But he that filches from me my good name, robs me of that which not enriches him and makes me poor indeed."
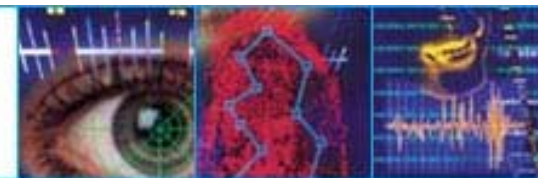
Shakespeare (Othello)

*National Biometric
Security Project Enhances
The Application of
Biometric Technology in
Infrastructure Security
and Anti-terrorist
Programs*

3

TRUTH IN ADVERTISING

OBJECTIVE PERFORMANCE DATA

CREDIBLE TECHNOLOGY DATA BASE

PRODUCT CERTIFICATION

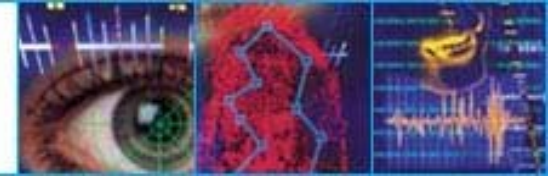LABORATORY VS REAL WORLD

RELIABLE EVALUATION OF ERROR RATES

VALIDATED INTEGRATION SPECS

FAST-TRACK FOR NEW STANDARDS

REALISTIC APPLICATION SCENARIOS

4

- Origin
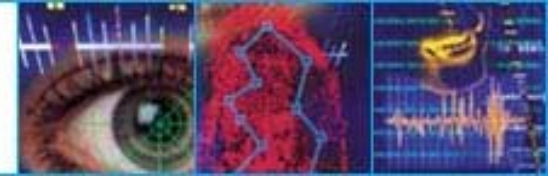- Mission
- Objectives
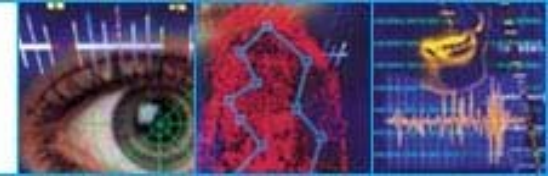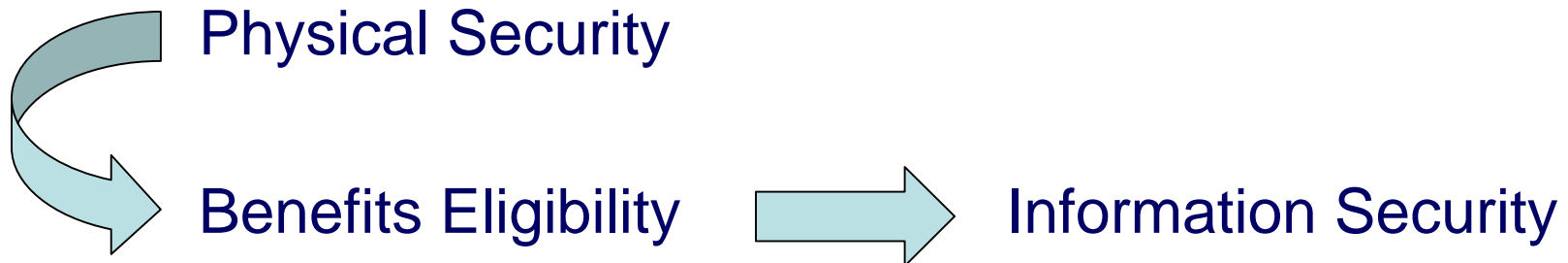- Current status

- Long evolutionary path
- Fragmented
- Highly competitive
- Hindered by ignorance and barriers
- "Ad Hoc" standards, limited in scope
- Market "pull" ambiguous

Proven performance, reliability, and cost
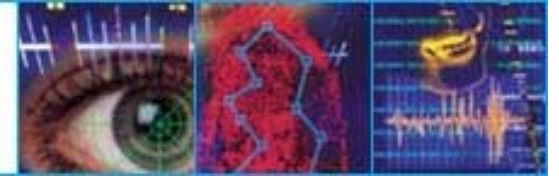
Deployment Prior to 9/11/01

Physical Security

Benefits Eligibility → Information Security
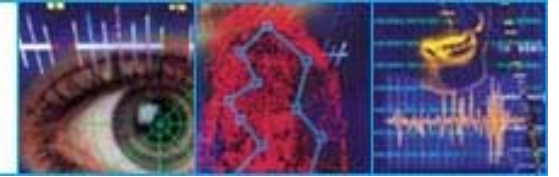
- Cloaked in anonymity and false identity

- Demonstrated authentication vulnerabilities in many areas of the national infrastructure

Exploitation

Media solutions

Hearings and talking heads
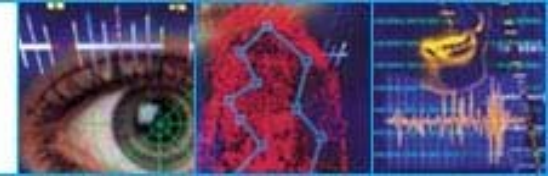
Controversy and complexity

Legislative mandates

A compelling need for a rational and comprehensive response !

The Long Term View

- Biometric systems are not a quick fix
- Substantial commitment in time & resources
- Be right the first time
- Compatibility and interoperability are critical
- Critical Needs:
  - Standards, training, and education
  - Fast-track, objective acquisition process
  - Response to homeland security and anti-terrorist needs
  - Support for all government levels and the private sector that manages the civil infrastructure
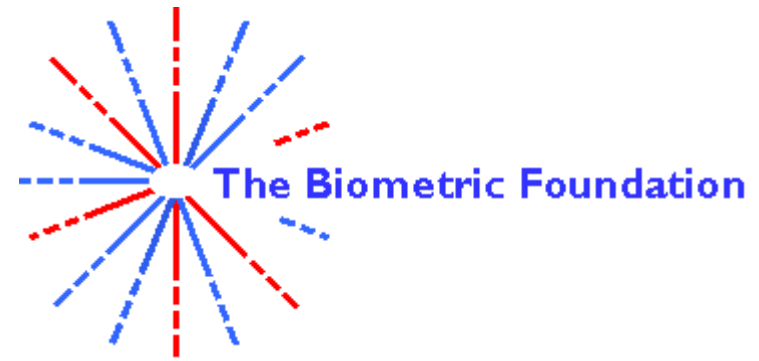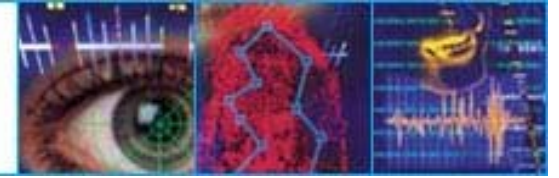
How Do We Get There ?

- New government organization ?
- Revised mission for industry/trade organizations ?
- Step-up in industry capability ?

Special project approach !

Academic, Industrial Coalition

International Biometric Industry Association

The Biometric Foundation

West Virginia University

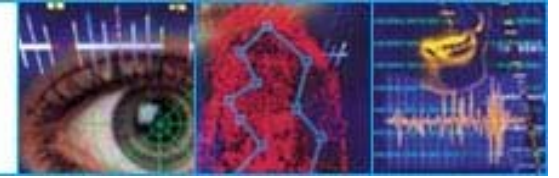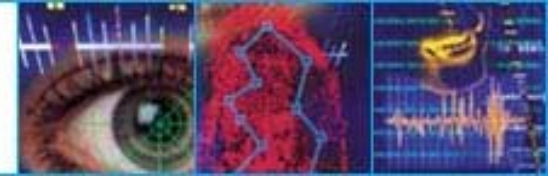**CITeR**

Mission

Assist government and private sector organizations deter terrorist attacks on the civil infrastructure by enhancing effective

Automated human identification through the application of proven biometric technologies.

Security and Civil Infrastructure Threat

The Transportation System

Border security and international travel

Civil aviation in general

The Economic System

The financial network

Key financial centers and facilities

The Energy System

Power Generation Facilities

Power Distribution Grids

The Communications System

Voice and data

Internet availability and function

Facilities and key centers

The Social and Support Structure
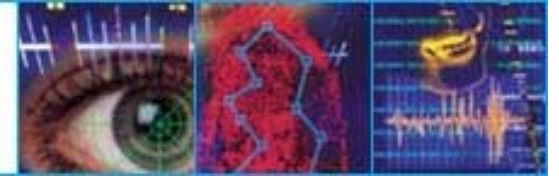
Government operations and facilities (all levels)

Life Services facilities (food, power, water, gas, oil)

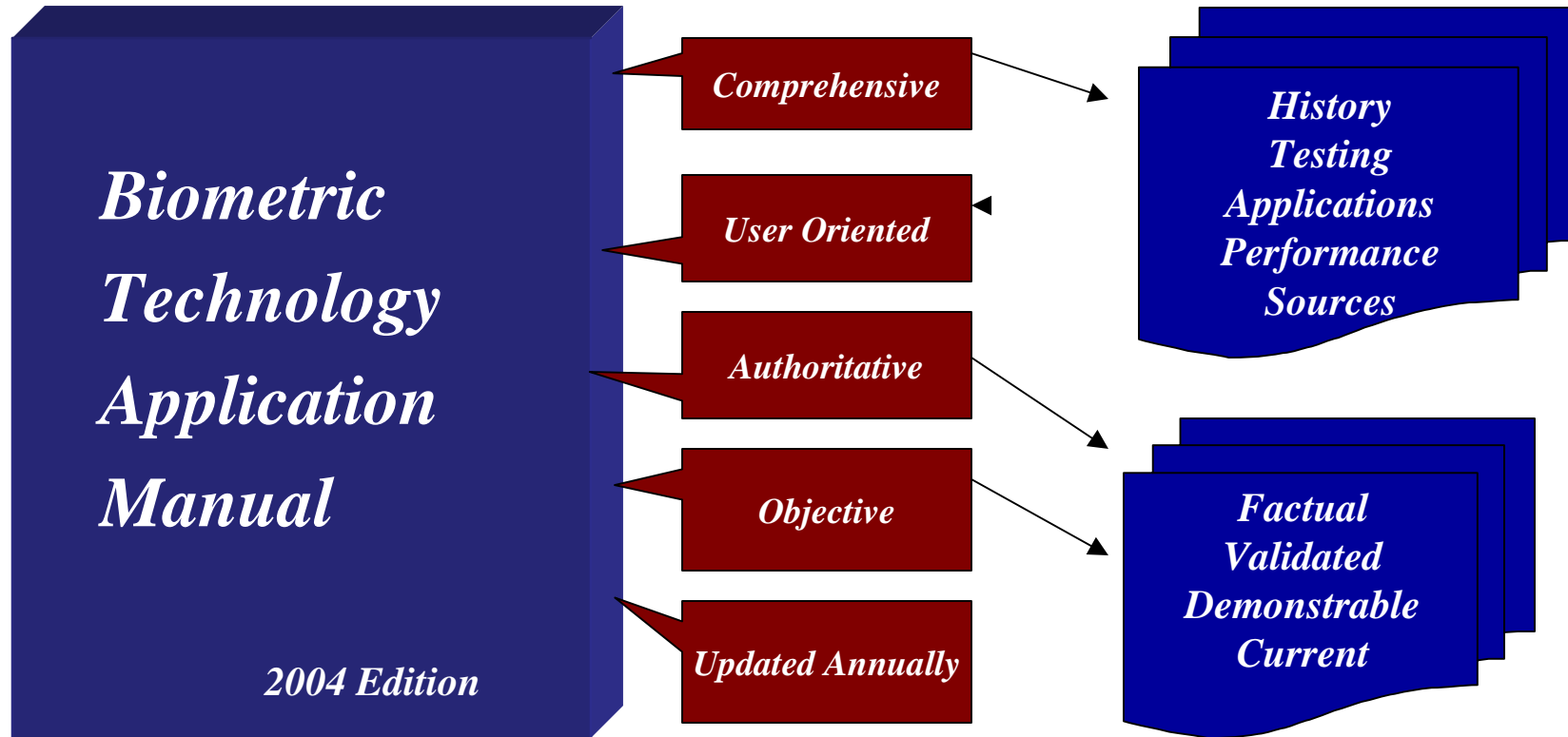Historical and symbolic structures and functions
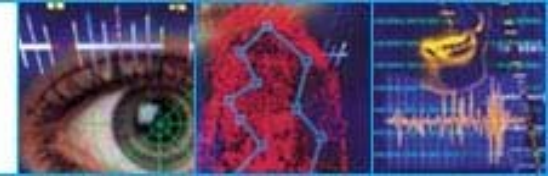
NBSP Initiatives

- Publications and guides for biometric applications

- Definition of requirements for new standards

- Industry and technology surveys and data bases

- Technology and product performance assessments

- Privacy and civil liberty impact analyses

- Applied research

- Educational program support

- Training and seminars

- Testing

National Biometric Security Project

Biometric Technology Application Manual

2004 Edition

Comprehensive

User Oriented

Authoritative

Objective

Updated Annually

History
Testing
Applications
Performance
Sources

Factual
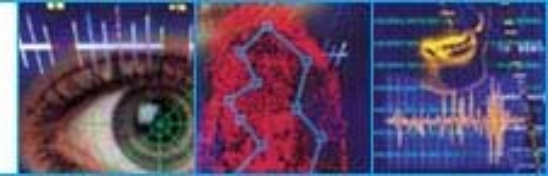*Validated*
Demonstrable
Current

NBSP Services

- Operational requirements surveys
  - "Vulnerability" assessments
- Application impact studies
  - Frame commercial/operational issues
  - Minimize impact on agency/corporation ability to function efficiently
- Defined scenarios for policy planning
- Systems design parameters and reviews
- Statement of Work; source selection
- Technology performance and pilot analyses
- Research program definition
- Training and evaluation

NBSP Today

Incorporated in Washington DC

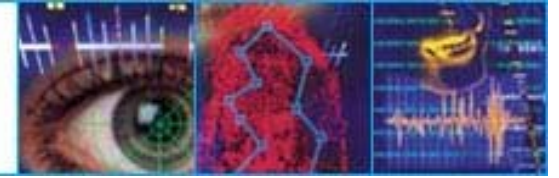Non-profit - tax exempt

Federal funding in place

WV State grant approved

Facilities established in DC and WV

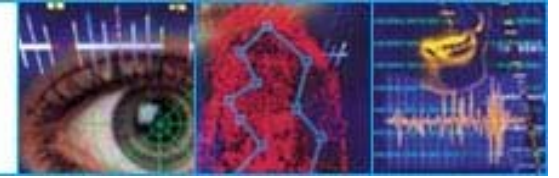Initiatives and external services underway

Why NBSP ????

Functions as a two-way conduit:

(1) Assists public and private sectors in achieving their human identification capability objectives via implementation of appropriate biometric technologies

(2) Support a fast-track path for best technology from industry to end-users

The NBSP is designed to accomplish its mission on a fully objective, non-profit basis.
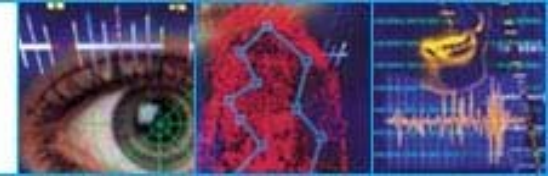
NBSP Commitments

- *Biometrics for National Security BiNS*
  - *NSA administration*
  - *Comprehensive Statement of Work*
  - *Standards   Research*
  - *Testing   Data base development*
  - *Applications support*

NBSP Contact Information

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www.nationalbiometric.org