Biometric Vulnerability Assessments

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Goals of the Biometrics Institute

• Promote the responsible and ethical use of biometrics
• Provide forum for discussion about biometrics
• To educate and inform
• Promote and develop standards, benchmarks and test regimes
• To provide policy input to government
• To encourage appropriate research and development
Membership Biometrics Institute

Current Members:

- ~ 70 Users (incl. 47 state and federal government departments)
- ~ 50 Suppliers
- ~ 10 Universities/ Research
- = 123 Organizations

Recent Members include:

- FBI, Canadian Border Agency and British Standard
The BI Biometric Vulnerability Project

• Goal to create a robust, repeatable methodology around statistically assessing the likelihood of an attack succeeding.
• Three Projects (2007-2010)
  – Carried out by consortia led by the Biometrics Institute
  – Funding contributed by the Australian Government
    • Department of the Prime Minister and Cabinet
• Main Target: Access control systems
• Successfully completed: Face, Finger, Voice, Iris
Biometric Vulnerability Assessment
Expert Group (BVAEG)
Current Members

- Biometrics Institute (Facilitator)
- Yokohama National University, Japan
- NIST, US
- National Physical Laboratory (NPL), UK
- Communications Electronic Securities Group (CESG), UK
- Clarkson University, USA
- University Carlos III of Madrid (UC3M) – Spain
- Federal Office for Information Security, Germany (BSI)
To help facilitate vulnerability resistance in biometric systems by:

- Responsible sharing of information on vulnerabilities to a limited audience
- Engage constructively with the vendor community
- Education for government, end-users, vendors
- Feed into standards and methodologies