

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



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