



National Science & Technology Council
Interagency Working Group on Biometrics

**Coordinating the Government's
Biometric R&D Efforts**

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Interagency Coordination Topics

- Face Recognition Research
- Fingerprint Recognition Research
- Iris Recognition Research
- Other Biometric Research
- Multi-modal Fusion Research
- Test & Evaluation of Biometrics
- Decision Support Tools
- Operational & System Vulnerabilities
- Human-System Interface
- Infrastructure for RDT&E Data Sharing
- Data & Metadata collection for RDT&E
- Application Description



Interagency Coordination Plans (ICP)

Face Recognition Research

- Face Recognition technology
 - highly accurate for *some* applications
 - additional research still needed
- Face Recognition Vendor Test 2002
 - most recent large-scale evaluation completed
 - provides an overview of capabilities and limitations
- Advancement is dependent upon
 - a combination of in-depth studies of particular issues (e.g., indoor vs. outdoor)
 - incremental algorithm improvements
 - new approaches to the problem (high-resolution 2D and 3D face recognition)



Coordination Activities

Face Recognition Research

- Information Sharing and Outreach
 - Ensure lessons learned are shared throughout the community
- Human Performance
 - Raise awareness of issues surrounding humans' recognition of other humans (you don't know who you don't know)
- Face Recognition Grand Challenge
 - FY04-FY05; overall evaluation planned at conclusion
 - Will challenge universities and commercial entities to improve algorithms