Setting the Scene:
U.S. Department of Homeland Security
Office of Biometric Identity Management

June 16, 2022

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**Office of Biometric Identity Management**

**The Value of Biometrics to DHS**
- Positively confirm claimed identity
- Alert that an individual has derogatory information associated with their biometrics
- Inform that an individual previously claimed a different persona

**OBIM Identity Services Enabling Operations**
- Operation of multimodal Automated Biometric Identification System (IDENT)
- Manual fingerprint examiner verification services where automation is insufficient
- Coordination with data owners for maximum information sharing

**Biometric Continuum**
- Collect
- Match
- Store
- Share
- Analyze
- Decide/Act

**OBIM’s Enterprise Role**
- Operator/Mission Partner Role

**Growth of Biometrics in DHS**
- Despite reduced volumes in FY 20 & 21 from COVID-19, trend lines show expected recovery and continued growth.
- IDENT Gallery Size – 275M Unique Identities

**Transactions/Year in millions**
- FY11: 50
- FY12: 75
- FY13: 100
- FY14: 125
- FY15: 150
- FY16: 175
- FY17: 200
- FY18: 225
- FY19: 250
- FY20: 275
- FY21: 300
- FY22: 325

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**Office of Biometric Identity Management (OBIM)**
IDENT

• DHS Biometric matching system for rapid identification and verification

• Contains searchable fingerprint records for more than 275 million identities
  o ~400,000 searches per day (pre-COVID); currently ~300,000 per day
  o Both foreign nationals and U.S. citizens
  o Criminal and non-criminal

• Contains ~1 billion face images / ~7 million pairs of iris images

• Provides biometric services to more than 45 U.S. and international organizations and mission areas

Biometric Support Center

• OBIM’s Biometric Support Center (BSC) provides assured biometric identification and verification 24/7

• 10-print comparisons and verification

• Unknown deceased identifications

• Latent comparisons

• Face comparisons

• Enrollments
Business Rules & Filtering

What is allowed to be collected?
How long can it be stored?
Who can it be shared with?

Law
Policies / Agreements
Privacy

Request
IDENT

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Getting to Interoperability
Getting to Interoperability

Stores Biometrics From:
- Visa Applicants
- Immigration Violators
- Other immigration and border management benefits
- Credential applicants, including Trusted Traveler Programs, FEMA, TWIC
- Latent prints from DoD, DoJ, and DHS
- DoD ABIS holdings, including DoD BEWL
- Collaboration with DHS S&T to advance DoD/DHS interoperability

Stores Biometrics From:
- Individuals arrested domestically
- Limited number of individuals arrested internationally
- Latent prints from crime scenes
- Limited number of individuals for licensing, employment, and other application purposes

Stores Biometrics From:
- DoD Biometrically Enabled Watchlist (BEWL)
- Determines enemy combatants; other criminal master files
- Latent prints from IEDs and other hostile actions
- 10-prints associated with matches to IED-related latent prints
- Credential applicants requesting access to U.S. installations overseas
Transitioning from IDENT to HART

• Processes ~ 400,000 biometric transactions per day (pre-pandemic)
• Contains ~275M unique identities
• Provides multimodal capabilities: fingerprint, face, and iris
• Will transition to HART & be decommissioned

HART

• Increment 1 in development
• More flexible & scalable
• Full-scale multimodal matching

New Capabilities
Expanded Interoperability
Greater Capacity
Increased Performance and Availability
Enhanced Accuracy
New Design with Cost Efficiencies

HART will be hosted in a Federal Risk and Authorization Management Program (FedRAMP) certified commercial cloud.
Looking Ahead

- Multimodal Collection & Use
- Additional Modalities
- Continuously Improved Algorithms
- Biometric and Information Exchange Standards
- Increased Speed / Throughput
- Leveraging Partnerships

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