



Homeland
Security

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

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The Value of Biometrics to DHS

Immigration & Border Management

Law Enforcement

Defense & Intel

Credentialing

- 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

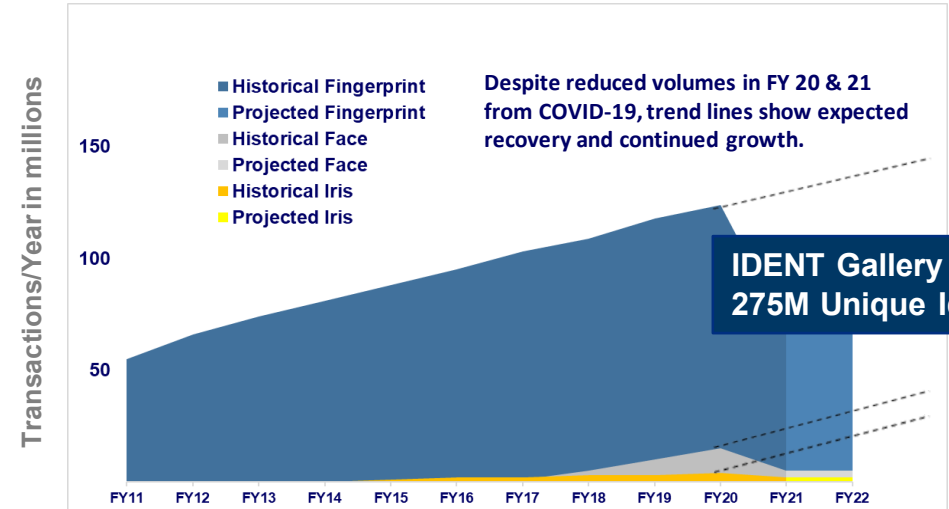
- Operation of multimodal Automated Biometric Identification System (IDENT)
- Manual fingerprint examiner verification services where automation is insufficient
- Coordination with data owners for maximum information sharing



Biometric Continuum



Growth of Biometrics in DHS



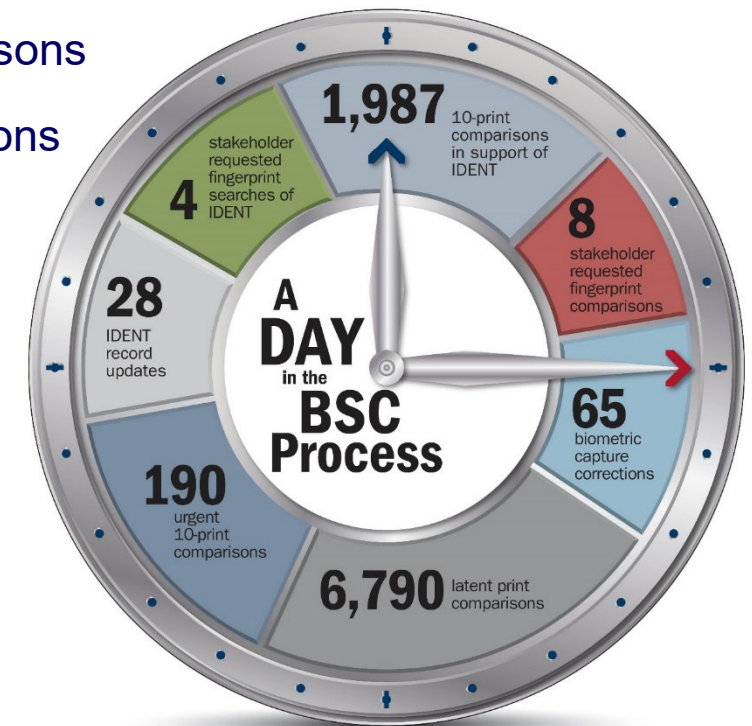
IDENT

- DHS Biometric matching system for rapid identification and verification
- Contains searchable fingerprint records for more than 275 million identities
 - ~400,000 searches per day (pre-COVID); currently ~300,000 per day
 - Both foreign nationals and U.S. citizens
 - 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

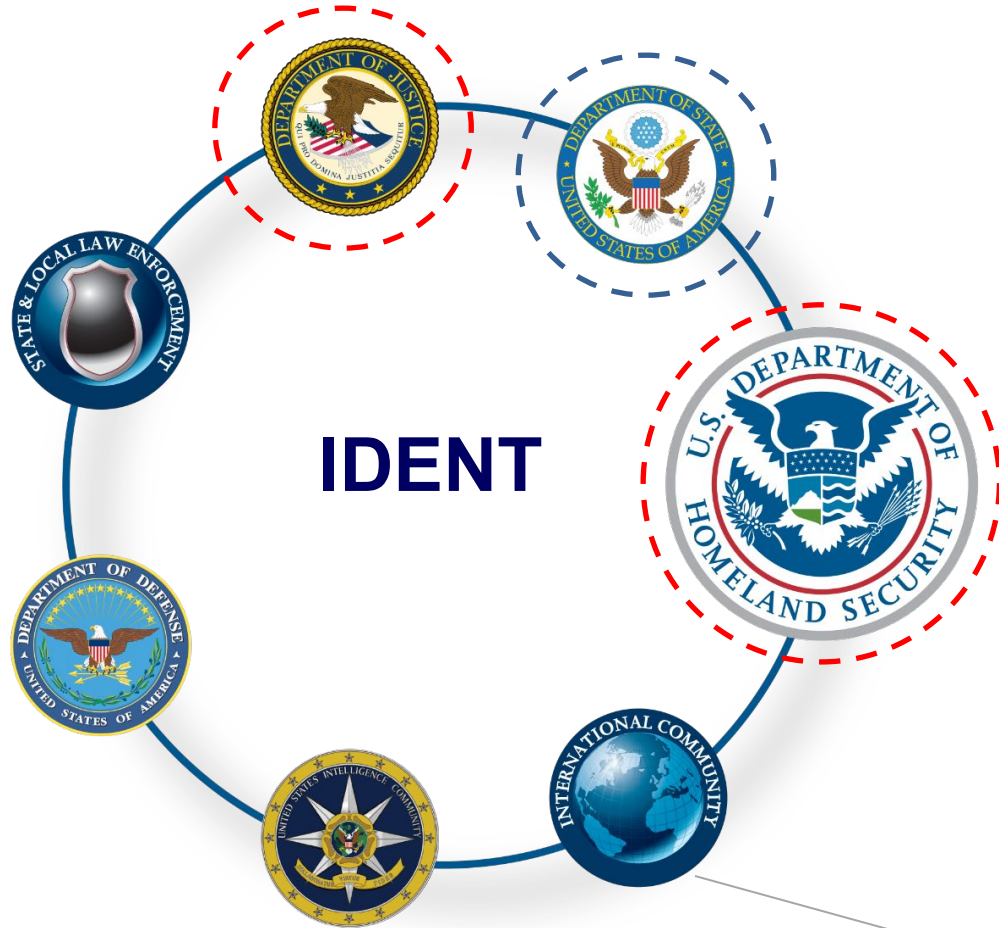


Biometric Support Center

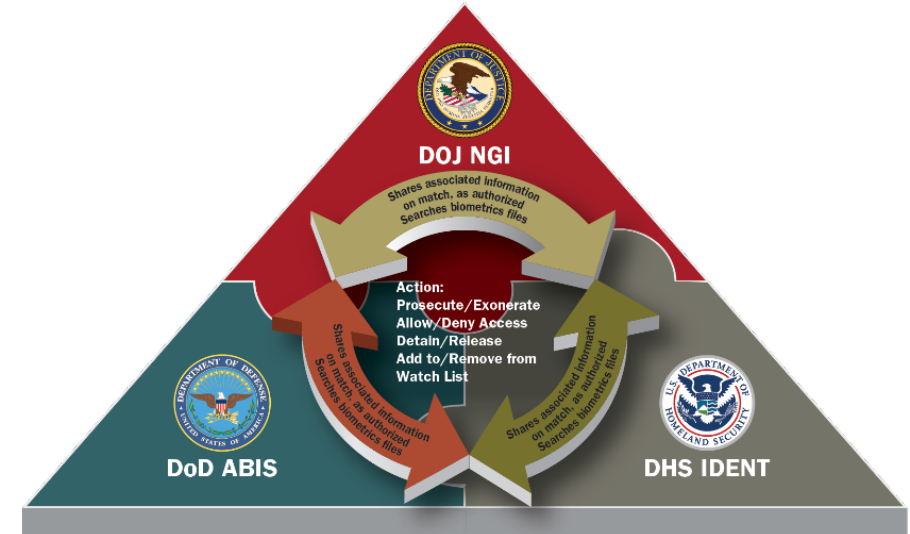
- OBIM's Biometric Support Center (BSC) provides assured biometric identification and verification 24/7
- 10-print comparisons and verification
- Unknown deceased identifications
- Latent comparisons
- Face comparisons
- Enrollments



OBIM Customers & Interoperability



- | | | |
|-----------|-----------|----------------|
| Australia | Croatia | Mexico |
| Bulgaria | Greece | New Zealand |
| Canada | Guatemala | United Kingdom |





Business Rules & Filtering

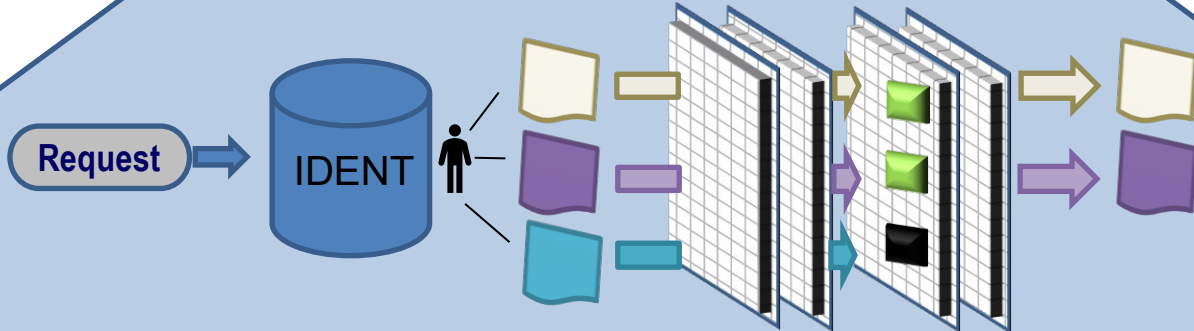
Law

Policies /
Agreements

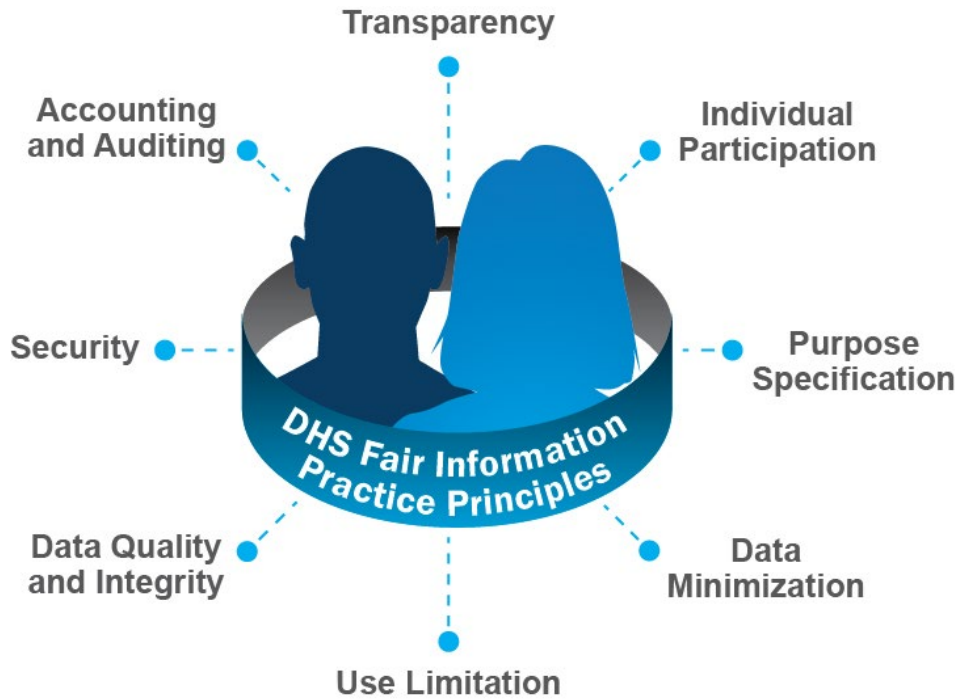
Privacy

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

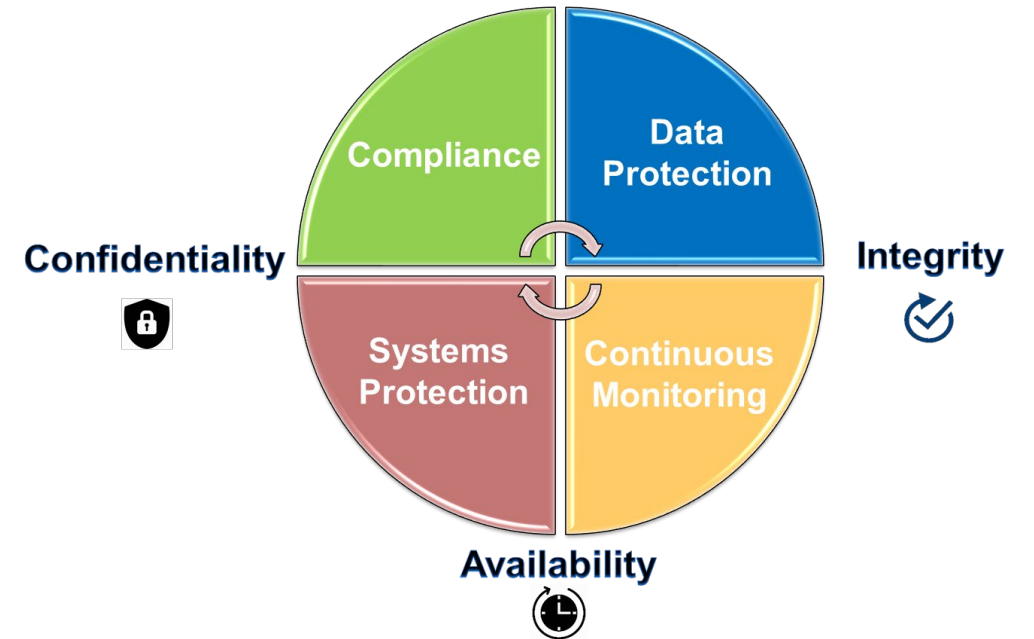
Business Rules & Filtering



Privacy

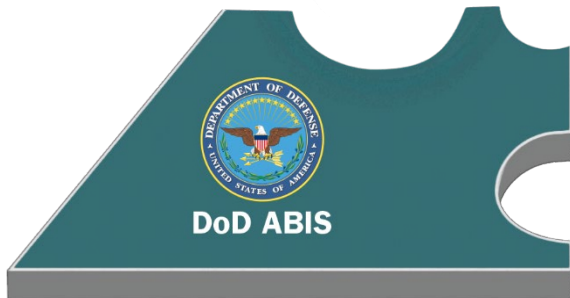


Systems and Data Protection



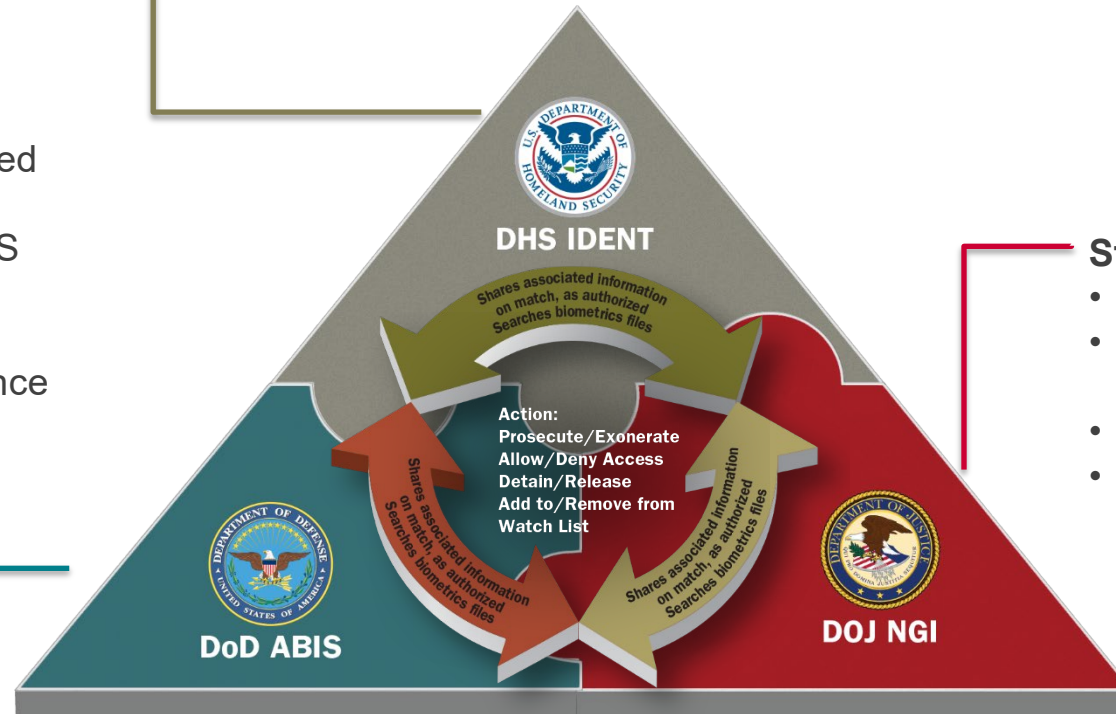


Getting to Interoperability



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:

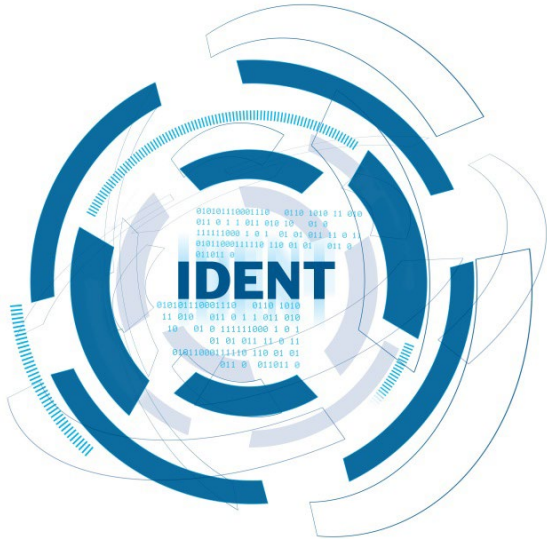
- Individuals arrested domestically
- Limited number of individuals arrested internationally
- Latent prints from crime scenes
- Limited number of individuals for licensing, employment, and other application purposes

Stores Biometrics From:

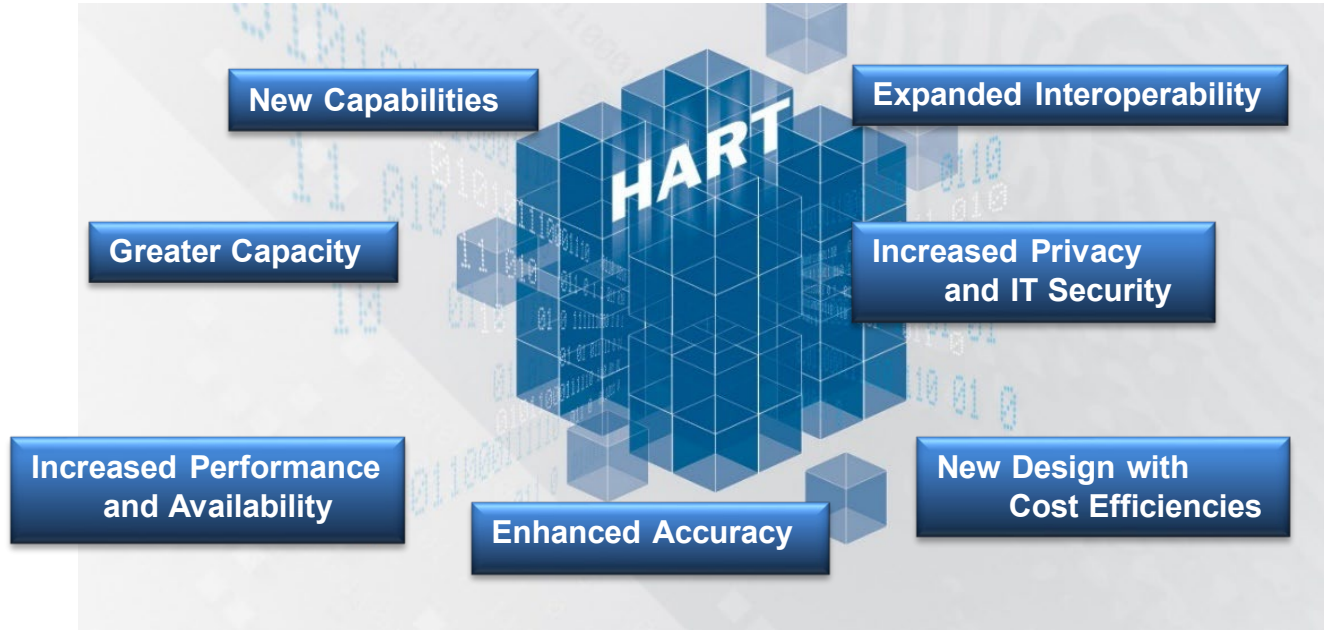
- DoD Biometrically Enabled Watchlist (BEWL)
- Determines enemy combatants; other criminal master files
- Latent prints from IEDs and other hostile actions
- 10-prints associated with matches to IED-related latent prints
- Credential applicants requesting access to U.S. installations overseas



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 HOMELAND ADVANCED RECOGNITION TECHNOLOGY

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

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



Looking Ahead

