

Biometrics:

BIG DATA, ANALYTICS, &

BIOMETRIC-ENABLED INTELLIGENCE

— FOR DEFENSE, INTELLIGENCE,
HOMELAND SECURITY AND LAW ENFORCEMENT —

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Defense Forensics & Biometrics Agency

The Relevance of Biometrics as an Enduring Capability



Biometrics: Big Data, Analytics & Biometric-Enabled Intelligence
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Biometrics... Ripped from the Headlines!



- Apple adds fingerprint reader to iPhone, competitors respond
- MasterCard, Google and Fast Identity Online (FIDO) Alliance support biometric standards for transactions
- Biometric payments in school cafeterias
- India implementing biometric-enabled national ID card
- Argentina soccer league introduces biometric ticketing system
- Canada requires biometric data from visa applicants
- Healthcare industry looks to biometrics to secure electronic records



Biometrics... Current Picture



Biometrics... What is has Done

"We must identify and continue to invest in capabilities to counter the evolving threat from IEDs. During my tenure focused on this threat, commanders in the field have acknowledged two tactical "game changers": constant surveillance from advances in manned and unmanned aircraft and **the application of law enforcement forensic and biometric techniques on the battlefield**. These capabilities remove violent extremists' greatest defense --- anonymity --- and make them vulnerable to attribution and enable action. We must develop the next game-changing advances."

LTG Michael Barbero
Former Director, JIEDDO



Biometrics... as an Enduring Capability



Transnational
Threats



Conflict Management



- Deny anonymity to non-uniformed combatants
- Intel development
- Detainee ops
- Counter IED
- Insider attack prevention
- Personnel recovery
- SOF support



Crisis Management



- Humanitarian assistance/disaster relief
- Noncombatant evacuation ops
- Refugee management
- Medical tracking
- Fraud prevention
- Locate persons of interest
- Support civil authorities
- Border protection



Transnational Threats



- Counterdrug ops
- Counter human trafficking
- Counter proliferation
- Embassy security
- Force protection enhancement
- Background checks
- Support criminal investigations
- Support allied governments



The Enduring Capability of Biometrics



Questions?

