Army Initiatives

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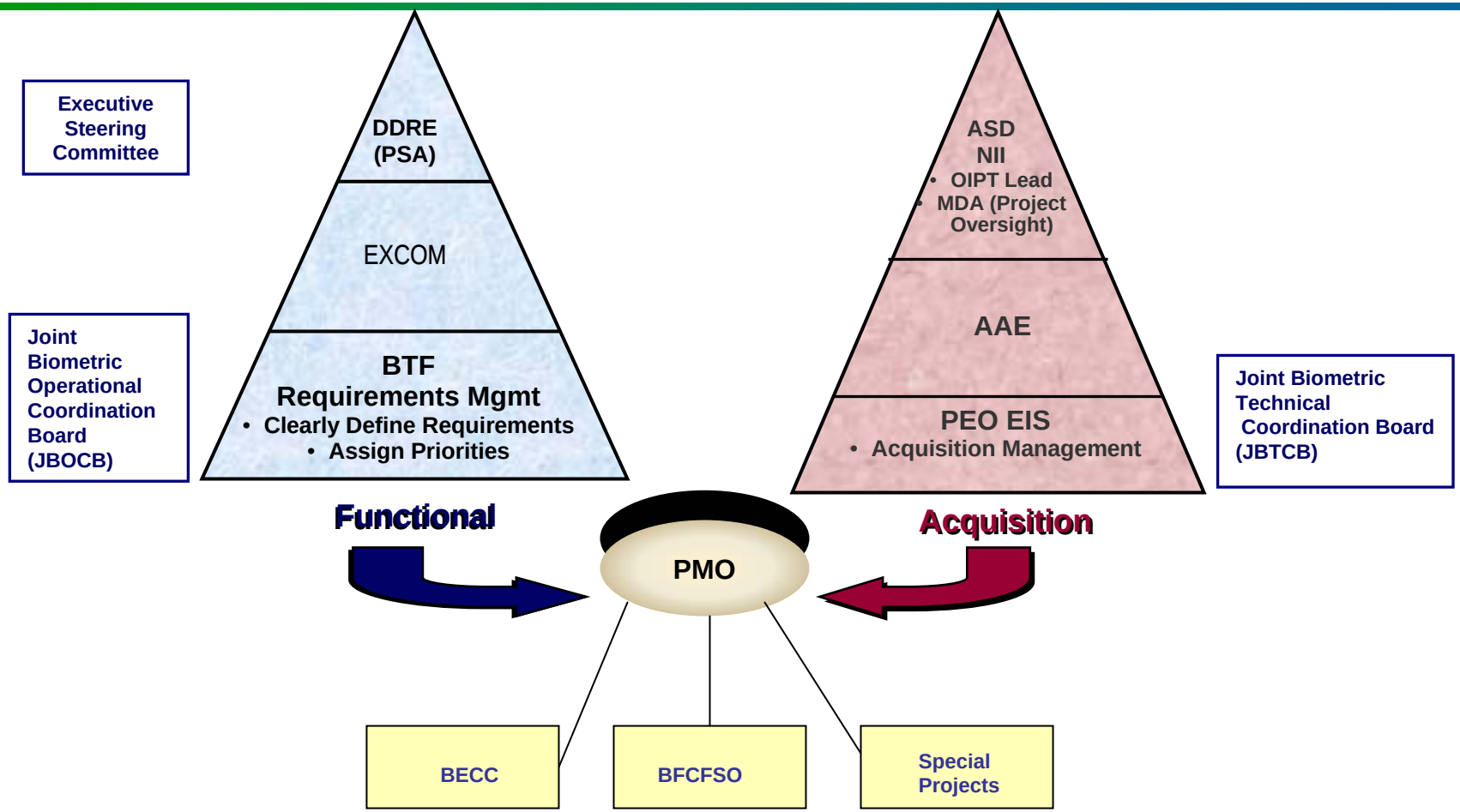
AGENDA

- Mission
- Program Organization
- DoD Biometric Enterprise Concept
- BECC
- BFCFSO
- BECC Capability Requirements
- BAT/HIIDE and BFCFSO Capability Requirements
- PM DoD Biometrics Contacts
- Questions

MISSION

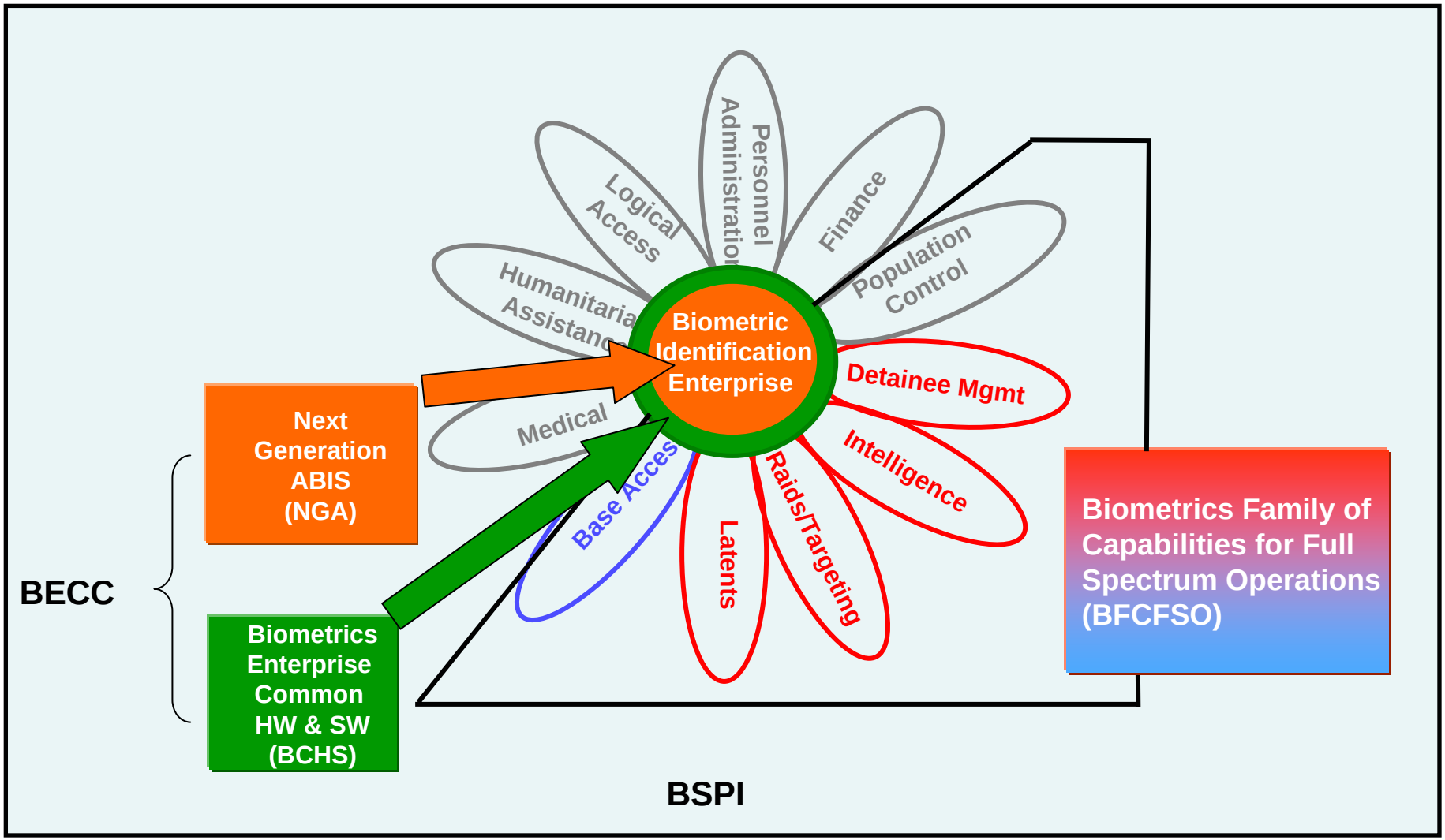
Design, Engineer, Acquire, Deploy and Sustain an Enterprise Biometric Capability and Army Specific Biometric Capabilities Enabling Identity Dominance Across the Range of Military Operations.

ORGANIZATION



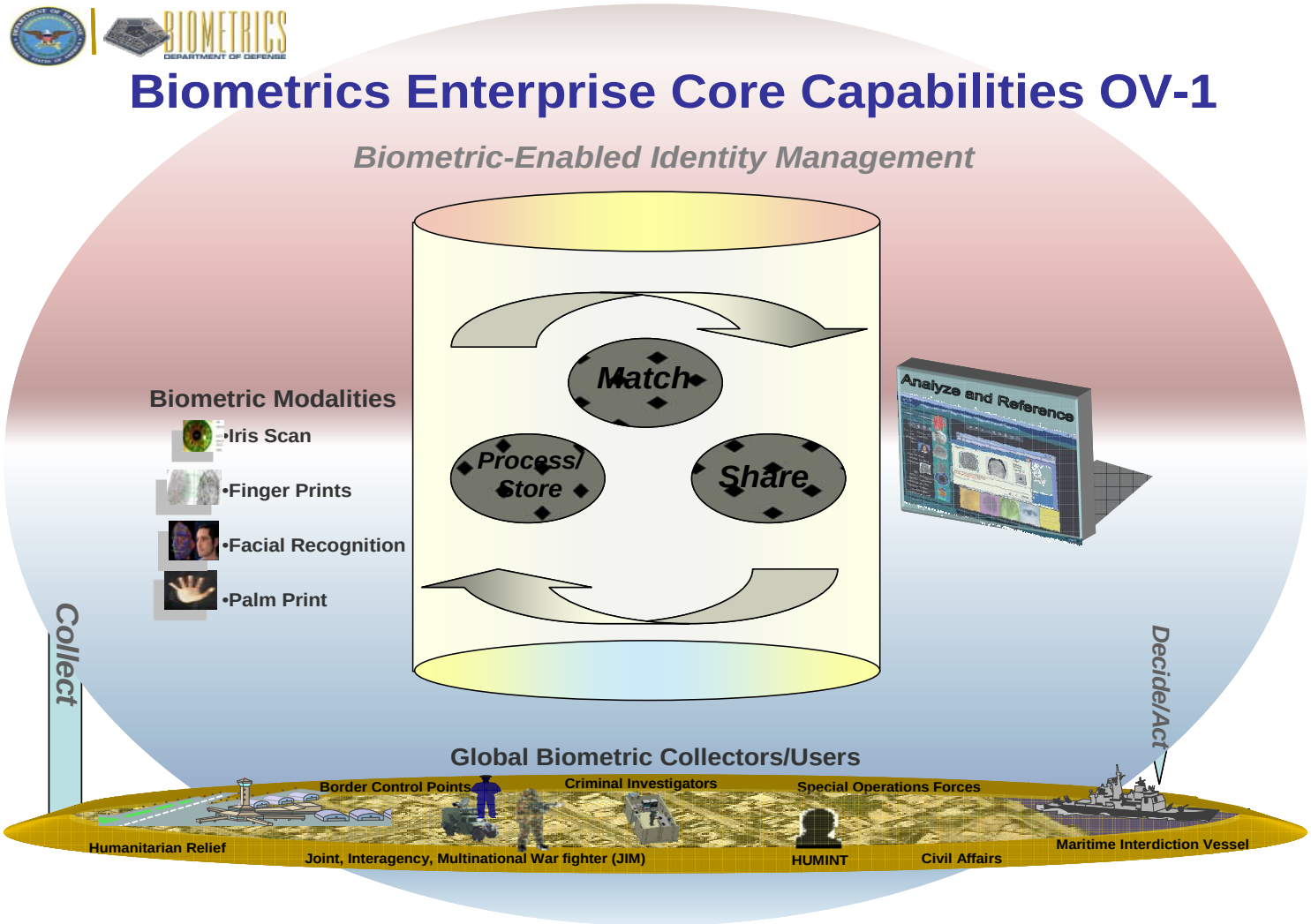
BIOMETRIC ENTERPRISE

US ARMY PEO EIS
PEO Enterprise Information Systems



OV-1

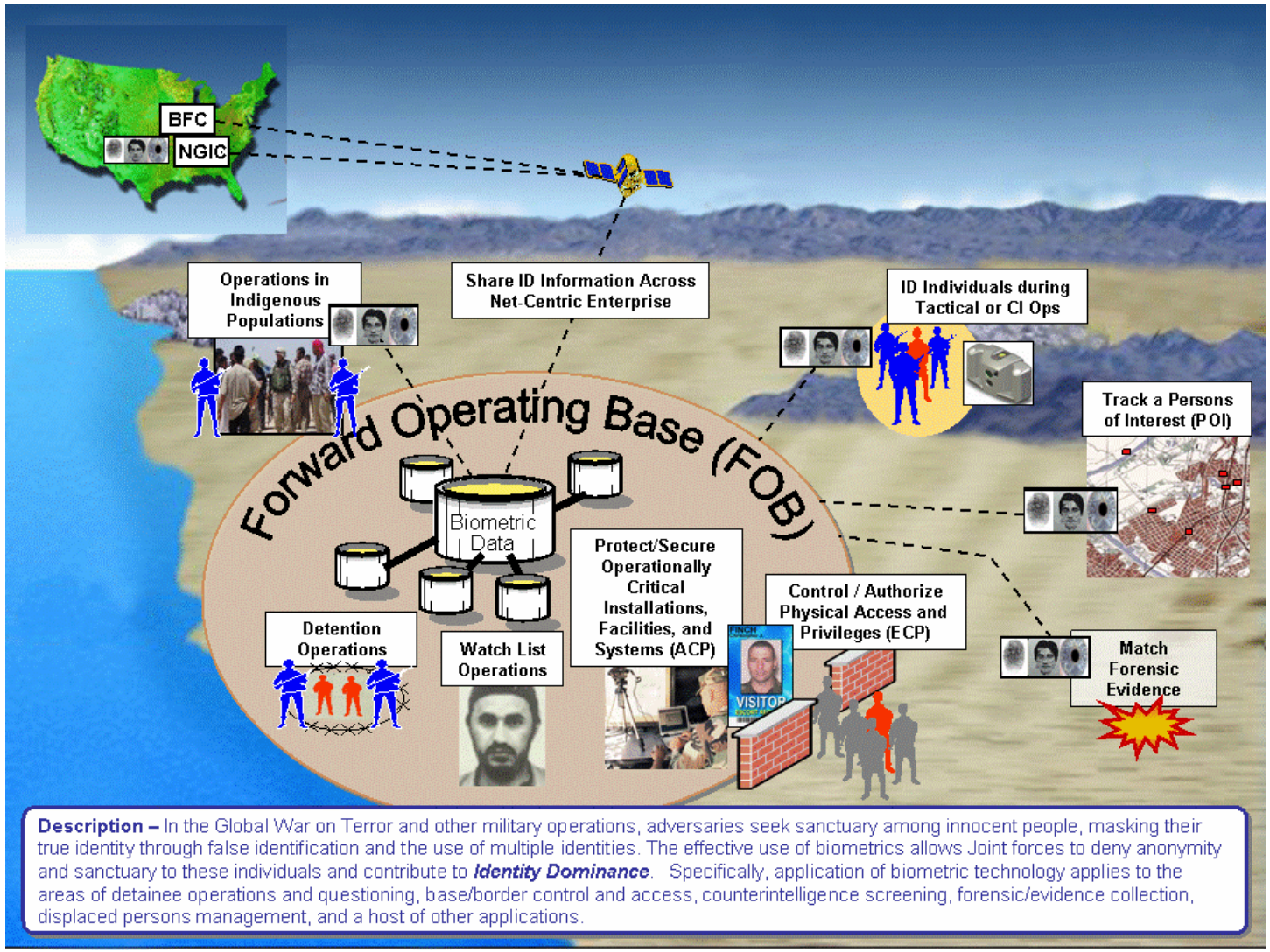
Biometrics Enterprise Core Capabilities OV-1



Biometric Enterprise Core Capability

- **Prototypes**
  - DoD Automated Biometric Identification System (ABIS): proof-of-principle based on FBI IAFIS
  - Biometric Automated Toolset (BAT): Advanced Concept Technology Demonstration (ACTD)
- **Where we want to go**
  - Next Generation ABIS (NGA): multi-modal authoritative identification system based on service oriented architecture, utilizing scalable hardware platform
  - Software Development Kit (SDK) for core biometric functions, based on open standards (Bio-API™), that can be used to develop biometrically-enabled mission applications
  - Approved Product List of certified biometric devices that are compatible with the Software Development Kit
- **Technology gaps**
  - Standard, open template for fingerprints acceptable for identification (current ANSI/INCITS 378 M1 template suitable for verification only)
  - Standard, open template for iris and palm prints
  - Collection sensors to address non-cooperating subjects, partial fingerprints, face recognition at a distance, face from video, iris at a distance, and capturing multiple biometrics at one time.
  - Faster and more reliable matching algorithms
  - Non-lossy high-compression algorithms for images (face, iris)
  - Improved, demonstrated fusion algorithms
  - Smaller, lighter, and longer operating cycle for multi-modal handheld collection systems.
  - Secured wireless communications device for handheld collection systems

BFCFSO – OV-1



BECC Capability Requirements

- Near-Term Requirements
  - Multi-Modal Collection
  - Blade Server Architecture
  - SOA Architecture
  - Expose Web-Based Services via ESB
  - COOP
  - “FedEx” Tracking Portal
  - Enhanced Multi-Modal Matching Fusion
  - Forward NGA Proof of Concept
  - BCHS Verification/Identification API
  - BCHS Hasty Enrollment API

- Far Term Requirements
  - Blue Force Store/Match
  - Updated Palm ID Algorithm
  - Replace Iris Recognition Algorithms
  - Additional NGA Web-Based Services
  - BCHS API/SDK Updates

BAT/HIIDE and BFCFSO Capability Requirements

- Near Term (BAT/HIIDE) Requirements
  - HIIDE Latent Fingerprint Ingest
  - BISA Ingestion Automation Enhancements
  - Integration of SDK for New PIERs
  - Critical Software Fixes
- Far Term (BFCFSO)Requirements
  - Web Services
  - Geographic Regionalization
  - DSS 2.8 Hot Sync & Auditing
  - Watchlisting
  - Voice Capture
  - Share Biometric Info with NGA
  - Handheld Processing & Collection Device
  - Web-Based Access to DCGS-A
  - ILSP/NET
  - DNA
  - Speaker Identification
  - Latent Palm Print
  - Bi-Modal Collection
  - Improved Biometric Matching Speeds
  - Long Range Iris

PM DoD Biometrics Contacts

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Questions?