



# Special Operations Forces Industry Conference

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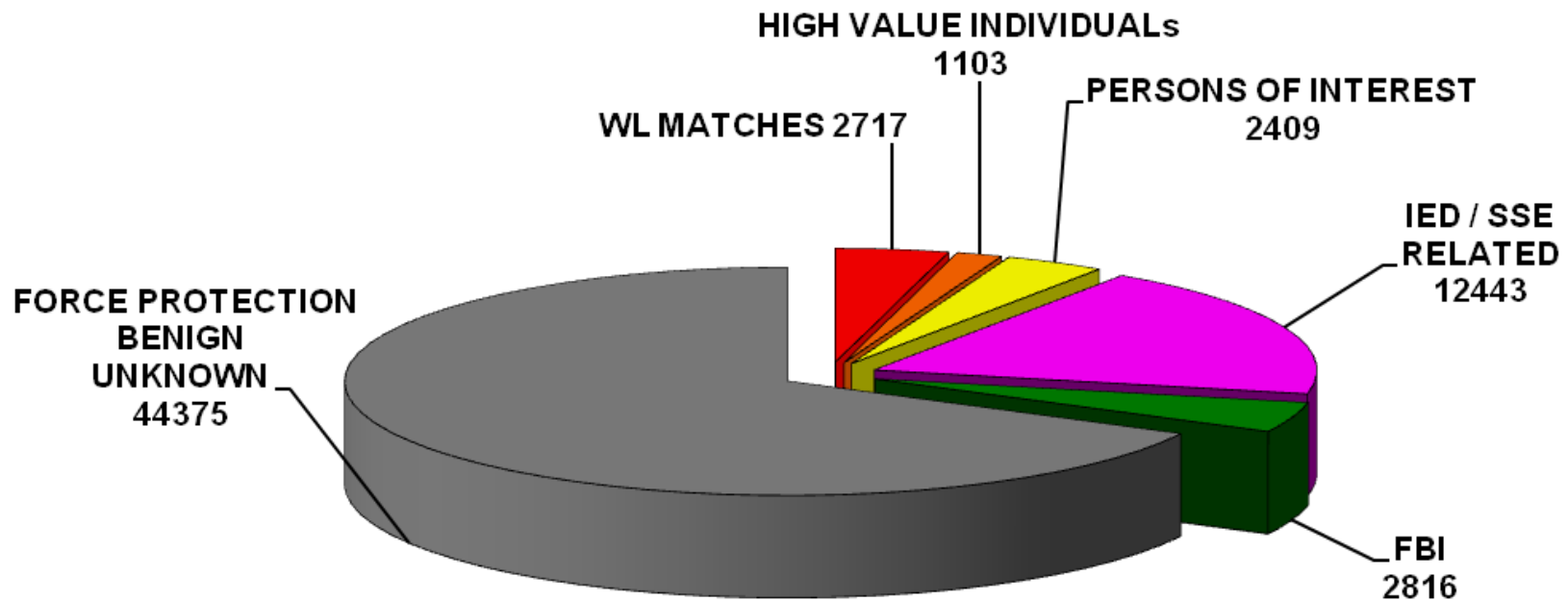
Mr. Brad Chedister / SORDAC-ST

Sensitive Site Exploitation  
(SSE)

**Special Reconnaissance  
Surveillance and Exploitation**



## SOF Matches



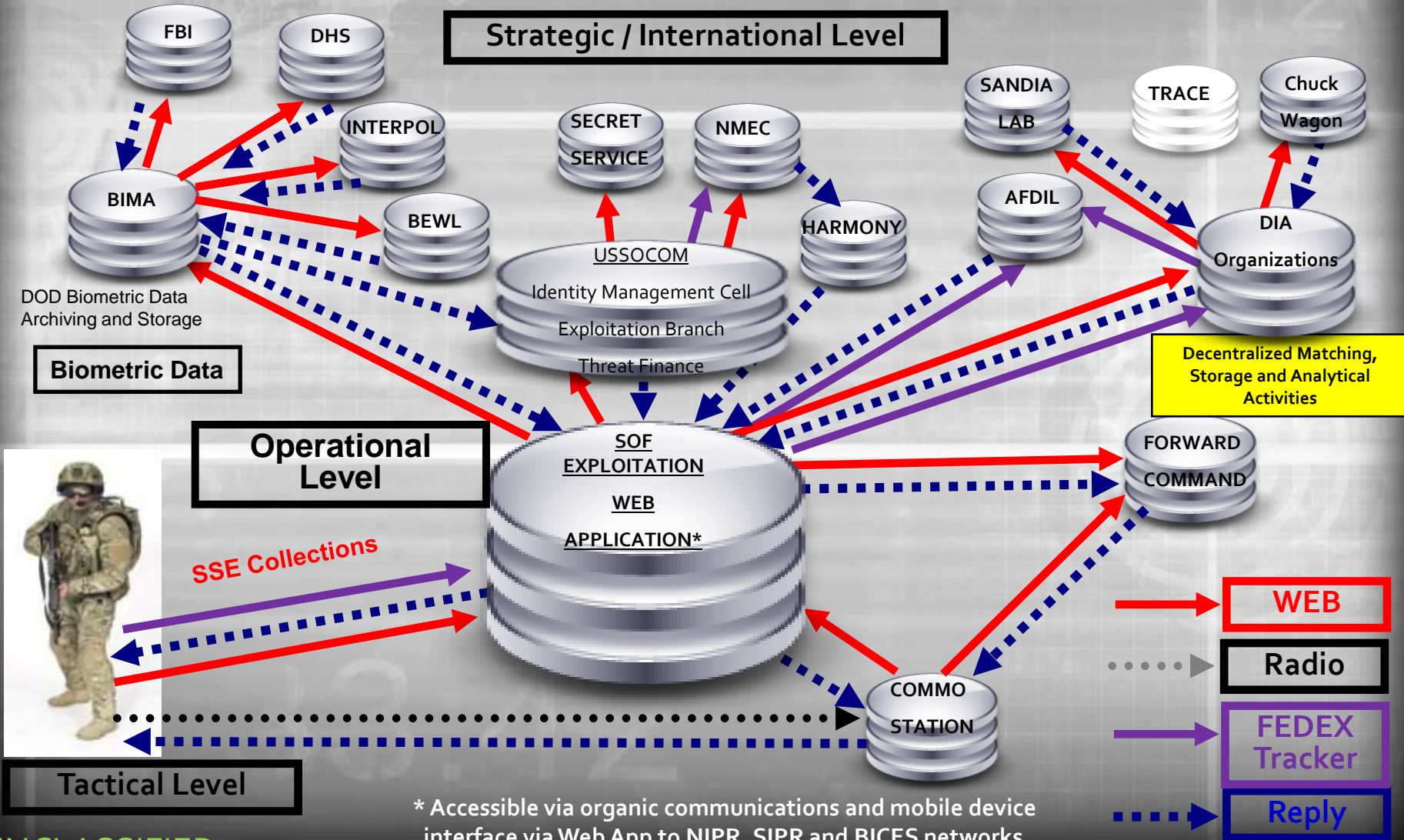
Note: Matches may be counted in more than one category.

Total Submissions	- 174279
Total Minus Error Files	- 163848
Matches	- 65863
Match Rate - 40%	As of 29 March 2011





## SOF Exploitation Architecture





## Shifting Of The Operational Paradigm

- Unconventional Warfare
- Support to Homeland Defense and Inter Agency
  - U.S. Border Patrol
  - ICE
  - Local Law Enforcement
- Nation Building “By, With, and Through”
  - Sovereign Nation Engagements
  - Scanning Missions
  - Piracy Missions
- Support to Personnel Recovery Missions
- Force Protection
  - Directive 350-27 and USSOCOM Policy MEMO 10-14
  - Directive 525-40
  - Identity Protection
- Humanitarian Missions
  - Earthquake Relief
  - Refugee Camps
  - Medical Assistance Missions

*What is the USG and DOD definition of Identity Operations?*

*What is the USG and DOD Vision for Identity Operations?*

*What DOD and USG guidance is available to drive and authorize full spectrum Identity Operations?*

*How will DOD and the USG sustain and fund full spectrum or classified Identity Operations?*





## Identity Management Cell PED Enables "End to End" Synchronization

- Man-in-the-loop providing near real time inter-agency exploitation sensor synchronization
- Man-in-the-loop ensuring synchronization of LEVEL III intelligence support to SOF
- Coordinate to ensure tactical and strategic Persons of Interest (POI) are nominated to NCTC and BEWL for global dissemination across inter-agency and international partners
- Coordinate with inter-agencies to strategically track, tag and synchronize terrorist threats globally
- Produces NRT tactical and strategically relevant Biometrics Enabled Intelligence (BEI) to support SOF
- Conduct initial discovery "So What" on Biometric submissions



# Special Reconnaissance, Surveillance and Exploitation

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## SOF Identity Management Vision

Exploitation, Protection and Integrated PED enables Identity Intelligence



### Phase I

SOF  
EXPLOITATION  
FN -VETTING  
BLUE FORCE  
IDENTITY  
PROTECT

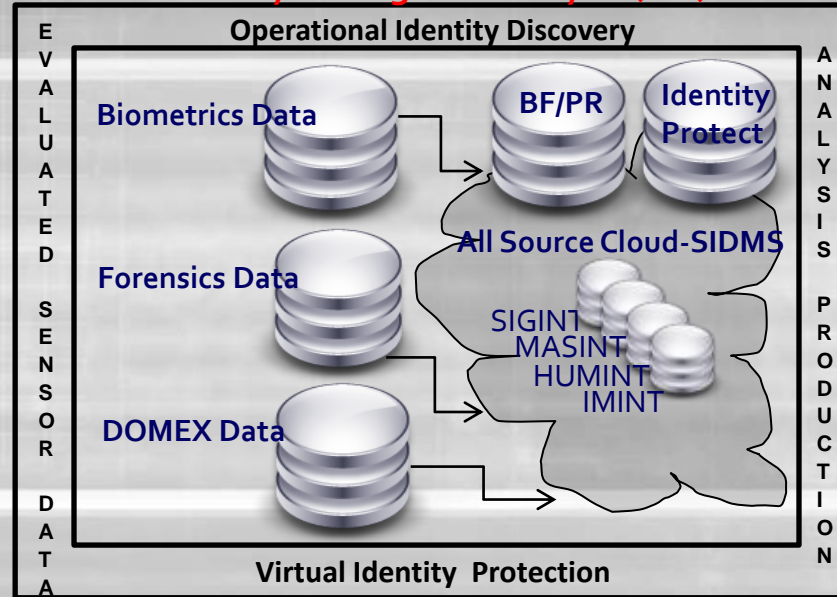


RAW

### SENSOR DATA

Biometrics  
CELLEX  
Forensics  
DOCEX  
DIGITAL MEDIA  
DNA  
EAC

### Phase III Identity Intelligence Analysis (I2A)



### Phase II

Identity Resolution  
Identity Correlation  
Identity Discovery

Output is  
Evaluated  
Sensor Data



Man-in-the-Loop  
Interface to  
Authoritative  
Databases



### Phase III Responsibilities

All Source (I2A) Production  
BEI Production  
**DOD Watch Listing**  
Identity Protection Management  
Personal Recovery Management

### Phase II Responsibilities

Identity Discovery  
Identity Operations Synch  
NRT Inter Agency Sensor Synch  
**DOD Watch Listing**  
Intel Oversight  
Foreign Disclosure  
Architecture Management  
SSE Sensor PED  
Personnel Recovery PED  
Identity Resolution  
Identity Correlation  
FN Vetting PED  
IA Data/Sensor Correlation  
BM/ Forensics Data Fusion

### Supporting Functional Requirements

Architecture Development  
SSE Requirements  
Identity Management Policy  
Inter Agency Coordination  
Identity Operations Synch  
Develop Identity Capabilities

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# Joint Exploitation Training Center

## Fort Bragg NC Range 37

### JETC

Tactical

Operational / Theater

Strategic / National

Operator  
Basic  
Course

Operator  
Advanced  
Course

TEC I

TEC II

Exploitation  
Seminar

National &  
DOD  
Exploitation  
Training

COLLECTION, PID & TARGETING

ANALYSIS & ATTRIBUTION

INTEROPERABILITY & FUSION

COLLABORATION & DISSEMINATION

Tailored to Meet *Global* SOF Operational and Intelligence Requirements

Institutionalize, Train and *Evolve* the Complete SOF Exploitation Enterprise  
Attended by all USASOC, JSOC, MARSOC, NSWG



## SOF Site Exploitation (SSE) Kit Components

### Enrollment (EN) Kit



Crossmatch Guardian-R  
Fingerprint Scanner



Crossmatch SEEK  
Fingerprint & Iris Imager

### Identification (ID) Kits



Crossmatch SEEK  
Fingerprint & Iris Imager

## Biometrics



3G SIMIS  
SIM Reader



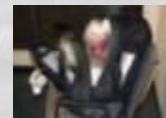
XRY/XACT  
Cell Phone Extraction

### **CELLEX**

### Data and Information Extraction



Bode  
DNA Swab



Lynn Peavey  
Latent Print Kit

### DNA and Latent Print Collection



Tableau TD-1  
Disk Imager



Digital Intelligence FRED-L  
High-Level Computer Analysis

### **High-Level MEDEX**

### Data and Information Extraction



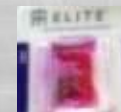
BattleLite  
Forensic Lights



Metal Tec 1400  
Metal Detector



ADF G-2  
Low-Level  
Computer Data Exploitation



Field Forensics EL-1003  
Explosives and Trace Element Detection

## Forensics Support Equipment





## Biometrics Kit Allocations

Enrollment Kits	Total Acquired	BOI
USASOC	308*	194
NSWC	137	137
MARSOC	32	32
TOTAL	477	363
ID Kits		
USASOC	1002	1002
MARSOC	60	60
TOTAL	1062	1062

\* BOI Reduced in Latest CPD



## Tactical Site Exploitation Kit Allocations

OA Kits	FY10	JUONS	FY11	FY12	FY13	FY14	FY15	FY16	Total	BOI	Short
USASOC	276	137	134	56	54	124	194	121	843	843	0
MARSOC	42	6							48	48	0
TOTAL	366	143								891	0
Enabler Kits	FY10	JUONS	FY11	FY12	FY13	FY14	FY15	FY16	Total	BOI	Short
USASOC	40	25	10	8	8	8	10	24	168	168	0
MARSOC	17								17	17	0
NSWC	58	21							79	137	58
TOTAL	128	46								322	58
EAC	FY10	JUONS	FY11	FY12	FY13	FY14	FY15	FY16	Total	BOI	Short
	1					1	1	1	4	11	7





## Biometrics & Forensics Development Opportunities

- **Biometric Capabilities**
  - Non-Optical Imaging Sensors for fingerprint capture and matching
  - Rapid DNA Matching
  - Stand-off/Remote Facial Recognition And Matching
  - Stand-off/Remote Iris capture
  - Dustless Latent print collection
  - Deception Detection
- **Forensic Capabilities**
  - Hidden Chamber and Hidden Material Detection
  - NRT Document/Cellular Phone Translation / Gisting
  - Removal of GSR Positives from explosives detection
  - Improved Presumptive Tactical Explosives / Nitrates / Narcotics Kits
  - Cellular PIN Code Bypass or Cracking Technology
  - Improved Cellular Exploitation Middleware
  - Improved Format Exports for Presumptive Chemical Analysis, i.e. AHURA / HAZMAT ID