

1  
2  
3  
4

# CONCEPT OF OPERATIONS FOR BIOMETRICS IN THE US CENTRAL COMMAND AOR



5  
6  
7  
8  
9  
10  
11  
12

Version 2.0

March 2007

**Table of Contents**

13  
14  
15 1. (U) Purpose  
16 2. (U) Applicability  
17 3. (U) Responsibilities  
18 3.1. (U) USCENTCOM  
19 3.2. (U) USCENTCOM subordinate units  
20 4. (U) The joint operational environment  
21 5. (U) The USCENTCOM Joint Biometrics Process  
22 5.1. (U) Overview  
23 5.2. (U) Collection  
24 5.3. (U) Process  
25 5.4. (U) Analyze  
26 5.5. (U) Decide  
27 5.6. (U) Act  
28 5.7. (U) Feedback  
29 6. (U) Joint expeditionary employment of biometrics (use  
30 cases)  
31 6.1. (U) Overview  
32 6.2. (U) Biometrics support to offensive operations.  
33 6.2.1. (U) Targeting  
34 6.2.2. (U) Forensics captures  
35 6.2.3. (U) Tactical questioning  
36 6.2.4. (U) Population screening  
37 6.3. (U) Biometrics support to force protection  
38 6.3.1. (U) Access screening operations  
39 6.3.2. (U) Entry control points (ECPs)  
40 6.4. (U//FOUO) Biometrically enabled intelligence support  
41 to Operations  
42 6.4.1. (U) Post operation analysis (BDA)  
43 6.4.2. (U) Effects  
44 6.4.3. (U//FOUO) Interrogation  
45 6.4.4. (U//FOUO) Targeting  
46 6.4.5. (U) Pattern and link analysis  
47 6.4.6. (U//FOUO) HUMINT. See Annex E  
48 6.4.7. (U//FOUO) Intelligence specific standards  
49 6.4.8. (U) NGIC support  
50 6.5. (U) Detention operations  
51 6.5.1. (U) Detainee operations  
52 6.5.2. (U) Track detainees inside a facility  
53 6.6. (U) Civil-Military Operations (CMO)  
54 6.6.1. (U) Manage local populations  
55 6.6.2. (U) Track payments to foreign individuals  
56 6.6.3. (U) Medical aid  
57 6.6.4. (U) Prohibitions  
58 6.7. (U) Information assurance

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

59	6.8.	(U)	Access management
60	6.9.	(U)	Personnel recovery
61	6.10.	(U)	Datasets/watch lists
62	6.11.	(U)	Other datasets
63	6.12.	(U)	Sharing of datasets
64	7.	(U)	Systems support requirements to biometrics
65	7.1.	(U)	Overview
66	7.2.	(U)	Fingerprints
67	7.3.	(U)	Processing of fingerprints
68	7.4.	(U)	Non-Fingerprint databases
69	7.5.	(U)	Irises
70	7.6.	(U)	DNA
71	7.7.	(U)	Speaker recognition
72	7.8.	(U)	Hand geometry
73	7.9.	(U)	Palm prints
74	7.10.	(U)	Facial photos
75	7.11.	(U)	Analysis
76	8.	(U)	Systems employment
77	8.1	(U)	Authorized systems
78	8.2.	(U)	Approved systems as a constraint on Commanders
79	8.3.	(U)	Types of biometric captures
80	9.	(U)	Constraints and policies
81	9.1.	(U)	Overview
82	9.2.	(U)	Biometric capture constraints
83	9.3.	(U)	Biometric sharing constraints
84	9.4.	(U)	Situational exceptions
85	9.5.	(U)	Commander's exceptions
86			
87	Annex A-	(U)	System crosswalk
88	Annex B-	(U)	Terms and glossary
89	Annex C-	(U)	References and policies
90	Annex D-	(U)	Collection standards and mandatory collection
91	fields		
92	Annex E-	(S//NF)	HUMINT Biometrics Management
93			
94			

95 **1. (U) Purpose.** This Concept of Operations (CONOP)  
96 documents concepts and procedures for the use of biometric  
97 technologies to support identity superiority, protection  
98 and management in the entire USCENTCOM AOR. This CONOP  
99 focuses on the biometrics process and key systemic  
100 enablers. This CONOP contains UNCLASSIFIED and CLASSIFIED  
101 annexes. The body of the CONOP is UNCLASSIFIED however,  
102 Annex E, "HUMINT Biometrics Management", is CLASSIFIED  
103 SECRET//NOFORN.

104

## 105 **2. (U) Applicability**

106

107 2.1. (U) This CONOP applies to all USCENTCOM components,  
108 CJTFs and subordinate commands within the USCENTCOM AOR,  
109 whether or not that collection occurs on or off of a U.S.  
110 controlled installation, including naval operations  
111 conducted in the offshore areas assigned to Commander,  
112 USCENTCOM.

113

114 2.2. (U) This CONOP also applies to other U.S. Government  
115 agencies operating biometric devices within the USCENTCOM  
116 AOR, if any of the following conditions exist:

117

- 118 • If such use is on any U.S. or coalition controlled

119

- 120 • If the biometric device is in the AOR and will

121

- 122 • If the biometric collection operation will utilize  
123 any USCENTCOM personnel or communications system for  
124 its operation.

124

## 125 **3. (U) Responsibilities**

126

### 127 **3.1. (U) USCENTCOM**

128

129 3.1.1 (U) The Deputy Director for Operations is the General  
130 Officer (J3) with overall responsibility for Biometrics at  
131 USCENTCOM and works in close consultation with the Director  
132 of Intelligence (J2) and the Director of Command, Control,  
133 Communications, and Computer Systems (J6) and the Resources  
134 and Assessment Directorate (J8).

135

136 3.1.2. (U) The USCENTCOM Biometrics Advisory Board (CBAB)  
137 is the central coordination and decision point for  
138 biometrics doctrine, training, employment and fielding of  
139 supporting biometric technologies within the USCENTCOM AOR.

140

141 It consists of representatives from J3, J2, J6, and J8 and  
142 other Directorates as required.

143

144 3.1.3. (U) J3-JSO and J2-0 jointly support biometrics  
145 actions in support of the CBAB. J3-JSO is the CBAB  
146 proponent for Force Protection related mission sets while  
147 CCJ2-0 is the CBAB proponent for intelligence related  
148 mission sets.

149

150 3.1.4 (U) The Joint Information Management Board (JIMB) is  
151 responsible for building the CJTF information management  
152 plan. They identify and validate information exchange  
153 requirements and provide these to the C6. JIMB must  
154 approve all changes made to the theater network.

155

156 3.1.5. (U) All USCENTCOM organizations must send biometric  
157 requirements to J3-JSO, via chain of command, for actions.

158

159 3.1.6. (U) USCENTCOM's CBAB will serve as the official AOR  
160 interaction with DoD agencies, PM Biometrics, INSCOM, JFCOM  
161 and the DoD Principle Staff Advisory for all theater level  
162 requirements.

163

164 3.1.7. (U) CCJ3-JSO will consolidate USCENTCOM biometrics  
165 requirements for presentation to the JROC and Joint Staff  
166 for action.

167

168

### 169 **3.2. (U) USCENTCOM subordinate units:**

170

171 3.2.1. (U) All USCENTCOM subordinate organizations will  
172 receive USCENTCOM approval for the use of new biometric  
173 collection, processing, or storage systems prior to entry  
174 and use in the USCENTCOM AOR. This will help ensure  
175 overall compatibility with current supporting  
176 infrastructure and overall biometric enterprise.

177

178 3.2.2 (U) All USCENTCOM subordinates will establish a  
179 single staff section as the command proponent for biometric  
180 issues and functions.

181

182 3.2.3. (U) All USCENTCOM subordinate organizations will  
183 abide by the standards in this document.

184

185 3.2.4. (U) All USCENTCOM subordinate organizations will  
186 coordinate additional biometric requirements through  
187 USCENTCOM J3.

188  
189 3.2.5 (U) All USCENTCOM subordinate organizations will  
190 produce a biometric CONOP. At a minimum, subordinate  
191 organization CONOPs will include all use case scenarios  
192 listed in this CONOP as well as the infrastructure required  
193 to support them.

194  
195 3.2.6. (U) USCENTCOM subordinate organizations will send  
196 biometric requirements to J3-JSO for action.

197  
198 **4. (U) The Joint Operational Environment**

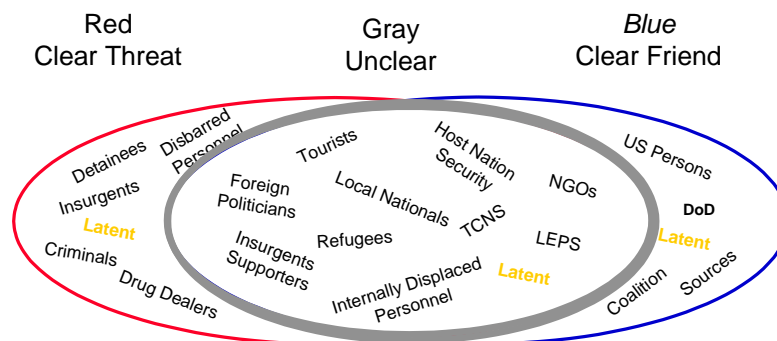
199  
200 4.1 (U) Biometrics is a key enabler across the entire range  
201 of military operations (ROMO) from credentialing US Persons  
202 on a network to Non-Combatant Evacuation Operations (NEO)  
203 to matching a latent print to a detainee. When used  
204 properly, it can lead to decisive results.

205  
206 4.2 (U) Central to this environment is the categories of  
207 individuals. For the purposes of biometrics, an  
208 individual will fall into one of three categories: Red,  
209 Blue or Gray. An individual may transition from blue or  
210 gray to red as more information is collected, or move in  
211 the other direction. A "Red" individual is considered a  
212 clear threat to USCENTCOM interests while a "Blue" identity  
213 poses no threat. The third category, "Gray" is an  
214 individual whose motives are not clear and require future  
215 adjudication.

216

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

UNCLASSIFIED//FOUO

**Population Groups**

\*\*A majority of are gray\*\*  
\*\*People and people may move from gray to red. \*\*

217  
218

Figure 1: Categories of Individuals

219

220 4.3 (U) Biometrics is means of identification that provides  
221 great confidence in the relationship between an identity  
222 and an individual. The associated history of a biometric  
223 identity can assist in the categorization of individuals as  
224 "Red," "Blue," or "Gray." When properly collected and  
225 matched, biometrics routinely identifies an individual with  
226 a degree of certainty of over 99%. Unlike signatures or  
227 "flash to pass" ID cards, biometric samples cannot easily  
228 be faked. Unlike simple facial photos that change over  
229 time, a biometric proves more stable over time and cannot  
230 be easily duped through disguising.

231

232 4.4 (U) Biometrics is a force multiplier. By linking an  
233 individual to a history, a Commander has facts on which to  
234 base a decision. Biometric modalities provide faster  
235 screening while ensuring threatening personnel are  
236 identified. Because an individual's biometric modalities  
237 are not easily "spoofed" or transferable to another  
238 individual, a biometrics reader in lieu of a 'flash to  
239 pass' badge system is required. This type of verification  
240 allows the Commander to focus his forces on missions rather  
241 than determining the authenticity of credentials.

242

243 4.5. (U) Biometrics is also the only form of identification  
244 which, by its nature, is also evidence. By properly  
245 enrolling a person, a Commander can compare the match to

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

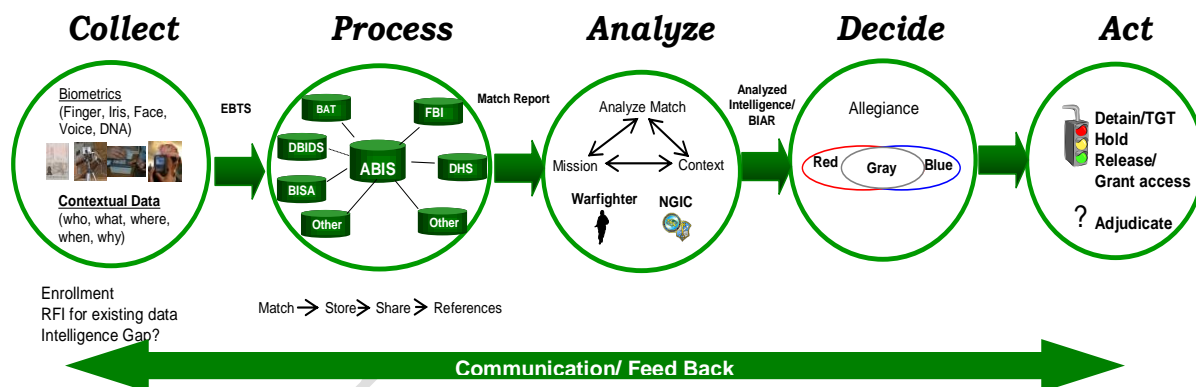
246 previously collected data such as latent prints, previous  
247 detainments, and 'watch lists.' A Commander can match an  
248 enrollment for base access or weapon card applicant against  
249 a historical latent print and use that history to deny  
250 access, and prosecute suspect individuals. Alternatively,  
251 biometrics systems can be used to exonerate innocent  
252 individuals by establishing irrefutable evidence of  
253 time/location combinations that can be accessed after the  
254 fact.

255

256 **5. (U) THE USCENTCOM Joint Biometrics Process**

257

258 5.1. (U) The purpose of the USCENTCOM biometrics process is  
259 to enable the Commander to effectively categorize an  
260 individual as friend or adversary. With biometrics, the  
261 Commander can match an individual to historical data in  
262 order to confirm that person is who they claim to be and  
263 possibly determine past activity.



264

265

266

267

Figure 2: The USCENTCOM Biometrics Operational Process

268

269

270

271

272

273

274

275

276

277

278

5.2.1. (U) The USCENTCOM standard for capturing biometric samples is based on the task. Enrollment, identification or verification require different captures. In all cases, capturing all the required biometric samples to standard is



279 key in order to maintain an effective database. Annex D  
280 contains a technical description of these requirements.

281

282 5.2.2. (U) When collecting biometrics, proper collection of  
283 contextual data is as important as proper collection of the  
284 biometrics. Contextual data not only establishes a  
285 contextual baseline for the individual, but it also drives  
286 exploitation and analysis. For example, it could establish  
287 aliases for an individual which can be used in support of  
288 both tactical questioning and interrogation.

289

290 5.2.3. (U) Enrollments will be as complete and accurate as  
291 possible. USCENTCOM biometric data is shared with DoD data  
292 collected in other theaters, the Department of Homeland  
293 Security (DHS), the Federal Bureau of Investigations (FBI),  
294 and other government agencies, as well as other  
295 governments. Simply putting a person on "Alert" or on a  
296 watch list with no associated contextual data marginally  
297 supports decision making. Thorough, complete contextual  
298 data will enable operations.

299

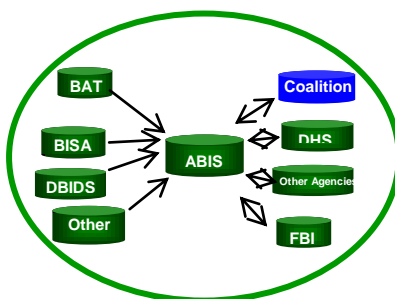
300 5.2.4. (U) Proper enrollment enables tracking of  
301 individuals. People move both between locations and  
302 migrate between "Blue" "Gray" and "Red" populations. A  
303 person may be enrolled as a police officer one day and  
304 match a latent print in the future. Another person may  
305 have been truthful in his first enrollment and lied in his  
306 second enrollment. If that is properly noted in the  
307 contextual data, it will drive tactical questioning and  
308 interrogation in the future.

309

310 5.2.5. (U) After enrollment, USCENTCOM uses verification by  
311 a credential (badge) to track individuals. If badges are  
312 not feasible, then identification using an existing  
313 database will be conducted. See paragraph 7 and Annex A for  
314 discussion of each.

315

## Process



Match → Store → Share → Reference

Figure 2.1: The USCENTCOM Biometrics Operational Process

316

317

318

319

320 5.3. (U) Step two is the processing of the data. It begins  
 321 when the biometric data is matched to existing biometrics  
 322 in the authoritative database and ends when it is made  
 323 available to consumers to reference. The authoritative  
 324 database has the capability to send information to other  
 325 biometric databases across the US Government and with  
 326 foreign friends and allies. When the authoritative  
 327 database is not available, a local trusted database can be  
 328 used for an interim match.

329

330 5.3.1. (U) A potential match is only as good as the data it  
 331 is matched against. If a Commander decides to match off an  
 332 incomplete (local trusted) database, he will not match  
 333 against all available records and risk either not detaining  
 334 a person of interest or detaining someone who should have  
 335 been identified as friendly.

336

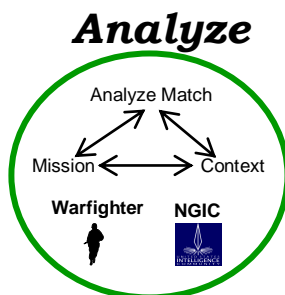
337 5.3.2. (U) Once biometrics are submitted to the ABIS, they  
 338 are stored at the authoritative database. This data is  
 339 then immediately available for other users to match against  
 340 and may be shared as required for future use. For instance,  
 341 reports can be generated to show the historical pattern of  
 342 an individual accessing a base which may assist in the  
 343 adjudication process if the individual requests to access  
 344 other bases.

345

346 5.3.3. (U) Processing of the data is complete when all  
 347 references have been searched and a 'dossier' of historical  
 348 instances and associated contextual data is produced. It  
 349 can be as simple as a 'match report' that resembles a

350 police 'rap sheet' or as complex as a 'digital dossier'  
351 containing multiple instances of the individual, full  
352 Screening Interrogation Reports (SIRs), HUMINT reports or  
353 other information.

354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365



366 Figure 2.2: The USCENTCOM Biometrics Operational Process

367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396

5.4. (U) Once processing is complete, the results are analyzed. Simply knowing an individual matches another enrollment is of minimal value. Analysis drives tactical questioning and interrogation enabling the Commander to make the best decision possible. This can be as simple as a Navy Seaman comparing a match report in context to an Expanded Maritime Interdiction Operations (EMIO) operation or as complex as the National Ground Intelligence Center (NGIC) producing a Biometric Identification Analysis Report (BIAR) from a latent fingerprint match.

5.4.1. (U) The match report is generally sufficient to tactically question but not detain an individual of interest. The match report is very timely and effective means for driving questioning. However, simply because an individual was matched to a previous enrollment is not necessarily a logical link between the two events. For example, because an individual has been denied access to a given facility or area does not necessarily make him a threat. Similarly, a latent fingerprint that matches a base access applicant only associates that individual with an object. He may have touched the object at any time for a variety of reasons. However, an individual who applies for base access and matches to a latent fingerprint could present a threat.

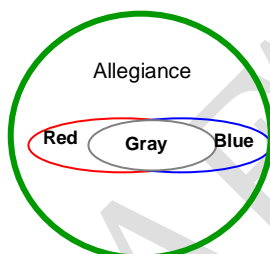
5.4.1.1. (U) The match report is also the basis for biometrically enabled all source analysis in support of operations. These are used forward in intelligence cells

397 along with all other INTs in support of targeting, effects  
398 and interrogations. They are also used as part of joint  
399 evidence cells in support of prosecution.  
400

401 5.4.2. (U) The NGIC produced BIAR is a processed  
402 intelligence product which associates a match to the  
403 circumstances. It is produced by analyzing the match, the  
404 individual's history, and all sources of intelligence.  
405

406 5.4.2.1 (U) A BIAR is produced for all latent matches and  
407 other high value matches. Commanders may request BIARs  
408 directly from NGIC for other matches.  
409

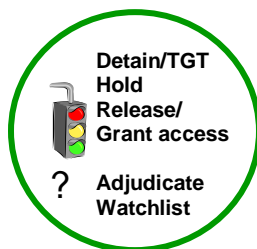
## **Decide**



410 Figure 2.3: The USCENTCOM Biometrics Operational Process  
411  
412

413 5.5. (U) Analysis provides recommendations to the  
414 Commander, which aid in decision making. Based on the  
415 analysis the Commander will decide whether the individual  
416 is a threat (red), a friend (blue) or undetermined (gray).  
417 Categorizing persons in this manner helps Commanders  
418 quickly provide enough information to the US military  
419 member to make a decision and act on the information  
420 provided.  
421

## **Act**



422 Figure 2.4: The USCENTCOM Biometrics Operational Process  
423  
424  
425

426 5.6. (U) Once the Commander has decided whether the  
427 individual is a threat, he acts. Actions taken toward an  
428 individual determined to be a threat will vary upon  
429 constraints. If an individual is determined by the  
430 Commander to be a threat (red), that individual is  
431 generally detained for prosecution or targeted. All latent  
432 print matches will be treated as hostile until a BIAR is  
433 produced and/or the circumstances adjudicated. If an  
434 individual is detained or awaiting access to base and is  
435 subsequently confirmed to be friendly (blue), the decision  
436 is usually to release him or grant him base access.

437  
438 5.6.1. (U) A key decision is what to do with an individual  
439 that remains unknown (gray) after biometrics matching and  
440 exploitation. The Commander may decide there is further  
441 adjudication needed. Simply because there is no biometric  
442 match does not mean a person is blue or red. Commanders  
443 must consider the context of a match (or lack thereof) when  
444 adjudicating the disposition of an individual.

445  
446 5.7. (U) Feedback is critical throughout the process. At  
447 each step of the process Commanders must assess the quality  
448 and timeliness of the information to ensure it supports  
449 their decision making. Also, when an action is taken such  
450 as "release from detention", Commanders must notify all  
451 persons and organizations that require feedback to maintain  
452 an accurate database.

453

454

455

456

457 **6. (U//FOUO) Joint Expeditionary Employment of Biometrics**  
458 **(Use Cases).**

459

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

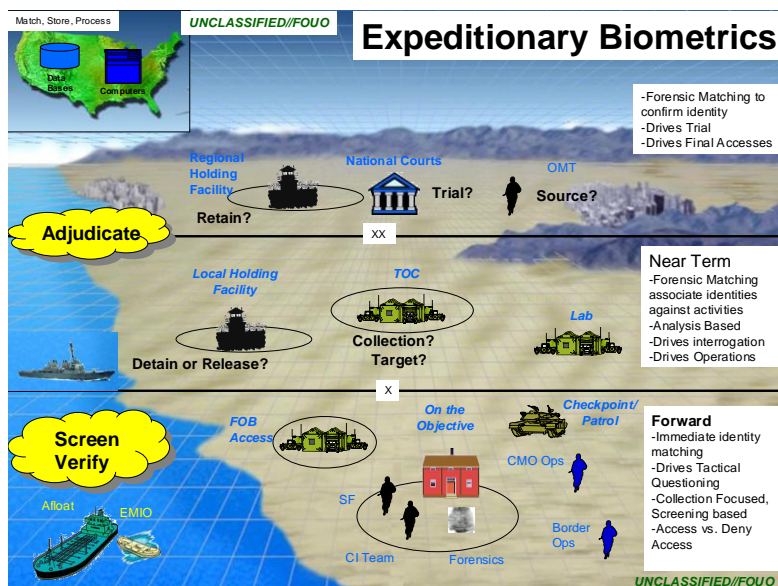


Figure 3: The USCENTCOM Biometrics Employment

460  
461

462

463 6.1. (U) Biometrics enables the full range of military  
464 operations in the USCENTCOM AOR. The process is driven by  
465 the Commander's decisions. Commanders may use biometrics  
466 to screen populations based on histories, verify  
467 individuals or decide access based on biometrically-enabled  
468 adjudication.

469

470 6.1.1. (U) Annex A contains the time standards and products  
471 associated with each of the mission sets below.

472

473 **6.2. (U) Biometrics Support to Offensive Operations.**

474

475 6.2.1. (U) Targeting. Just as with a photo, biometrics are  
476 used in support of targeting an individual. By pre-loading  
477 information on a targeted individual or group of  
478 individuals, Commanders can create a tailored,  
479 biometrically enabled, target set.

480

481 6.2.2. (U) Forensics Captures. Latent fingerprints link  
482 targeted individuals with events. Biometrics may confirm  
483 an individual was present at an event with a high degree of  
484 certainty. They are also suitable to assist in long term  
485 detainment and prosecutions of individuals.

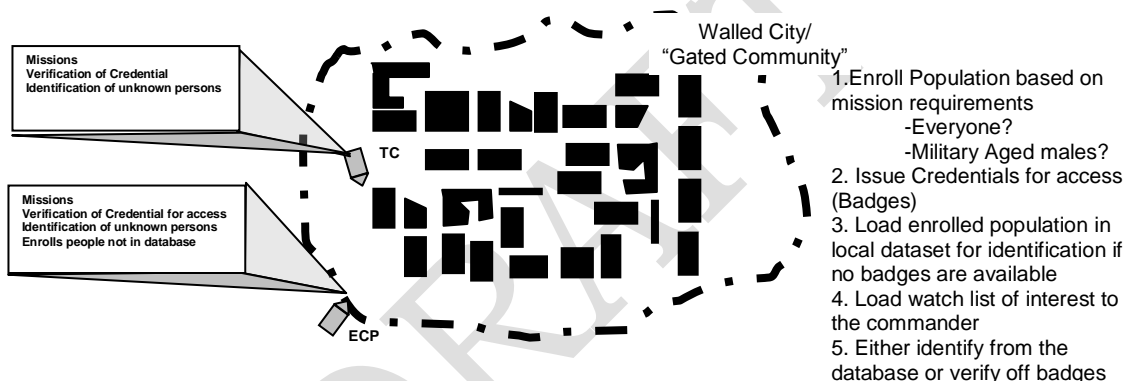
486

487 6.2.3. (U) Tactical questioning. Biometrics matching on  
488 the objective may confirm an individual's identity and  
489 allow the appropriate authority to make a decision

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

490 concerning that individual, for instance either hold or  
491 release. Using the associated contextual data and the  
492 history of that individual within the context of the  
493 encounter may provide service members enough information to  
494 tactically question a person and separate targets from  
495 bystanders.

496  
497 6.2.4. (U) Population Screening. Biometrics can be used to  
498 segregate populations based on several factors. For  
499 example, at a check point a Commander may use biometrics to  
500 determine if a person is out of place or has been  
501 previously granted access. Marines use biometrics (iris  
502 matching) to determine if a person at a checkpoint is a  
503 resident of the city or not. If the person is not, they are  
504 segregated, enrolled and further questioned.  
505



506  
507 Figure 3.1: Biometrics Support to Population Screening  
508

509 **6.3. (U) Biometrics Support to Force Protection.**  
510

511 6.3.1. (U) Access Screening Operations. Units using  
512 biometrics can determine if a person is who he or she  
513 claims to be, denying their ability to hide under an alias  
514 or remain anonymous. Biometrics and the associated  
515 contextual information enable the unit to determine an  
516 individual's history to a high degree of certainty for use  
517 in adjudication of base access requests.  
518

519 6.3.2. (U) Entry Control Points (ECPs). Individuals are  
520 verified at ECPs prior to being granted access to bases.  
521 Instead of 'flash to pass' ID badges that can be easily  
522 faked and must be manually scanned, a biometric can quickly  
523 confirm an identity, increasing accuracy and saving time  
524 and manpower.



525

526 6.3.2.1. (U) USCENTCOM uses biometrics for individuals that  
527 do not have a credential. If they are confirmed in the  
528 database, they are allowed access IAW unit TTPs. If not,  
529 they may be enrolled for further adjudication.

530

#### 531 **6.4. (U//FOUO) Biometrically Enabled Intelligence Support** 532 **to Operations**

533

534 6.4.1. (U) Post Operation Analysis. A Commander, using  
535 biometrics, can assess the impact of given individual to  
536 his or her area of responsibility. Individuals found to be  
537 historically blue may provide a sense of comfort while if a  
538 red individual is identified that threat may be reduced.

539

540 6.4.2. (U) Effects. USCENTCOM uses biometrics to assess  
541 the effectiveness of a mission. Using a biometric, you can  
542 confirm the identity of a targeted person post operations.  
543 With biometrics, you can confirm with a high degree of  
544 certainty a unit has captured/killed the right individual.

545

546 6.4.3. (U//FOUO) Interrogation. Interrogators may confirm  
547 an individual is who he claims to be using biometric  
548 matching. They can also use biometrics to determine the  
549 history of an individual (previous accesses/detentions,  
550 previous aliases) to drive the interrogation plan. Using a  
551 dossier they can check previous interrogations to determine  
552 which methods were employed in previous detentions.

553

554 6.4.4. (U//FOUO) Targeting. Biometrics, as with  
555 photographs, must be part of all targeting folders if  
556 available. Targets with known biometrics will be loaded on  
557 watch lists. For those targets without biometrics,  
558 biometric collection will be requested through the RFI  
559 process and stated as an intelligence gap.

560

561 6.4.5. (U) Pattern and Link Analysis. Biometrics matching  
562 provides a means of relating events. Matching latent  
563 prints to other latent prints may associate attacks with an  
564 individual. These associations are used to conduct pattern  
565 analysis in support of predictive analysis and future  
566 targeting. Similarly, a biometrically-enabled history can  
567 highlight patterns of an individual who is known, was once  
568 believed to be "Blue," and has, through any number of  
569 mechanisms, been determined to be a threat. Pattern and



570 link analysis can also give rise to targeting - that is, if  
571 an individual has been biometrically encountered in the  
572 vicinity of numerous suspect events, that pattern might be  
573 sufficient for a tentative identification of the person as  
574 Red.

575

576 6.4.6. (U//FOUO) HUMINT. See Annex E for discussion of  
577 biometrics in support of HUMINT operations.

578

579 6.4.7. (U//FOUO) USCENTCOM standard for intelligence  
580 support is enrollment and identification. Hasty enrollment  
581 will not be used for this mission. When ever an individual  
582 is encountered, he will be checked. If he is not in the  
583 database, he will be enrolled.

584

585 6.4.8. (U) NGIC provides USCENTCOM all source analysis  
586 based on biometric matches through BIARs. BIARs may be  
587 posted on NGIC's AIMS portal and/or emailed to  
588 organizational and individual email accounts of the unit  
589 that captured the biometric.

590

591 6.4.9. (U) If a biometric is not available, it will be  
592 stated as an intelligence gap. There are non-DoD collected  
593 biometrics available. If an individual was arrested by  
594 another nation and applied for another country's  
595 credentials, or was the subject of national-technical  
596 collection, there may be a biometric available for  
597 comparison.

598

## 599 **6.5. (U) Detention Operations**

600

601 6.5.1. (U) Detainee Operations. USCENTCOM uses biometrics  
602 to ensure the right person is, or remains, detained or  
603 released with a high degree of certainty. Biometrics  
604 confirm a known identity to an individual detainee and his  
605 associated contextual data, which may include current  
606 location and reason for detention.

607

608 6.5.2. (U) Track detainees inside a facility. Biometric are  
609 used to track detainees. While in transit, USCENTCOM uses  
610 biometrics to establish their location. While in the  
611 detainment facility, they are used to track movement within  
612 the detainment facility and track location.

613

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

614 6.5.3. Prosecution. Biometrics support prosecution of  
615 detainees. Using biometrics, a Commander can match an  
616 enrollment for a detainee to a latent match and use that in  
617 prosecution of a case. Using other analytical tools, a  
618 Commander can associate the object the latent came from  
619 (for example, a sniper rifle) with other historical events.  
620 Beyond a latent, a Commander can use biometrics to  
621 establish an individual's previous detentions to establish  
622 patterns of misconduct.

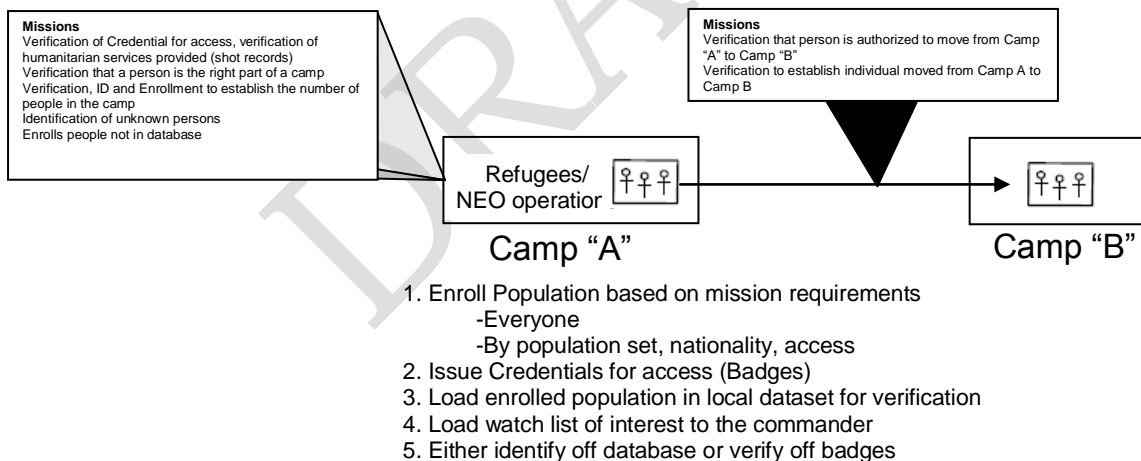
623

624 **6.6. (U) Civil-Military Operations.**

625

626 6.6.1. (U) Manage Populations. USCENTCOM uses biometrics to  
627 manage local populations during military operations. From  
628 tracking non-combatants during a NEO to managing an  
629 Internally Displaced Persons (IDP) camp, USCENTCOM uses  
630 biometrics to track which individuals are authorized a  
631 service or access to a location with a high degree of  
632 certainty. Using biometrics, a Commander can accurately  
633 state how many people he has in a camp or has evacuated  
634 without risking double counting.

635



636

637

638

Figure 3.2: Biometrics Support to NEO/Refugee Operations

639

640

641

642

643

644

645

646

6.6.2. (U) Track Payments. USCENTCOM uses biometrics to track payments to foreign individuals. Using biometrics, a Commander can track which contractors were paid. Using the associated contextual data, a Commander can ascertain what was paid and for what actions. The key to this is that biometrics last beyond a transition of authority (TOA) and can exist across units.

647 6.6.3. (U) Medical aid. USCENTCOM uses biometrics to track  
648 medical aid. Commanders are authorized to enroll  
649 individuals to track medical assistance or procedures  
650 (shots, etc...) are given to an identity or to verify the  
651 identity at a later date.

652

653 6.6.3.1. (U) Biometrics captured exclusively as a result of  
654 medical treatment will be shared and sent to the ABIS IAW  
655 with medical data sharing constraints. However, biometrics  
656 captured as result of force protection operations in  
657 support of the medical treatment (i.e., if the clinic is on  
658 base or 'inside the wire') will be sent to the ABIS.

659

660 6.6.4. (U) Under no circumstance will units assigned to  
661 USCENTCOM deny humanitarian services solely because an  
662 individual refuses to provide a biometric. However,  
663 biometrics will be captured for force protection reasons.

664

#### 665 **6.7. (U) Information Assurance.**

666

667 6.7.1. (U) Information Assurance. USCENTCOM uses biometrics  
668 to conclusively verify the identity of those attempting to  
669 gain access to information systems. On networks, a  
670 biometric token can be used to confirm an individual  
671 identity and his or her permissions, similar to base  
672 access.

673

#### 674 **6.8. Access Management.**

675

676 6.8.1. (U) Access Management. Outside of combat operations,  
677 USCENTCOM authorizes biometrics for access management. For  
678 example, as persons depart a ship they can be biometrically  
679 verified to establish who has left the ship. As they  
680 embark they can be verified again to establish with a high  
681 degree of certainty the number of individuals, and which  
682 individuals, are onboard the ship.

683

#### 684 **6.9. Personnel Recovery.**

685

686 6.9.1. (U) Personnel Recovery. USCENTCOM uses biometrics  
687 during personnel recovery operations to verify individuals.  
688 For example, a unit may conduct a mission to retrieve a  
689 kidnapped individual. The unit could frontload the data  
690 on a man portable system, which can then be used to verify  
691 the identity of the individual of interest.

UNCLASSIFIED//FOUO

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

692  
693  
694  
695

DRAFT

696  
697

## 6.10. (U) Datasets/Watch lists.

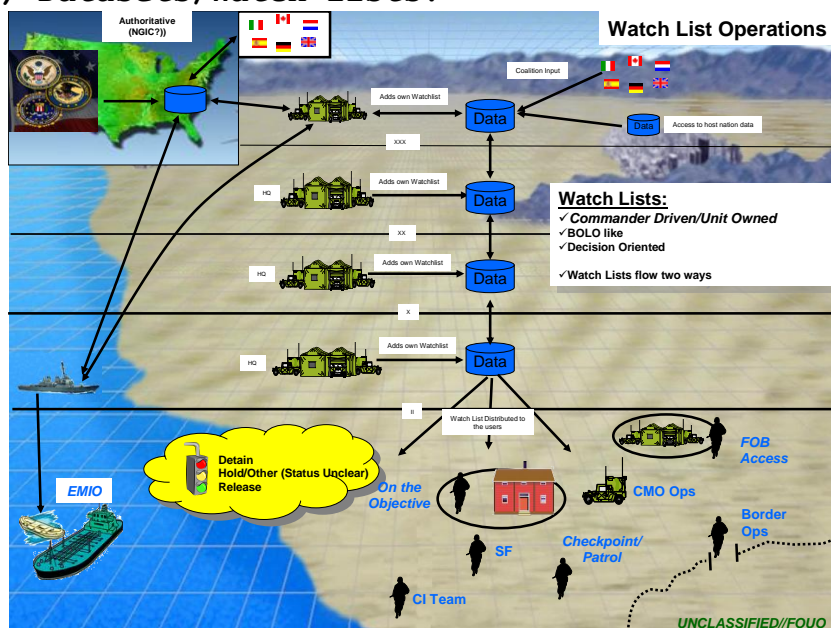


Figure 4: The USCENTCOM Watch list Process

698  
699  
700

6.10.1 (U) Watch list. Watch lists are datasets of individuals of interest to a Commander. They are individuals the Commands want their units to act on, based on the encounter. The action may be detain, release or hold for further exploitation.

706

6.10.2. (U) Watch list datasets are generated and shared at every level of command (fig 4.). They are driven by individual unit requirements and command decisions. Commanders can direct their datasets of interest and select additional data from adjacent units, higher HQ or consolidate all subordinate units.

713

6.10.3. (U) These datasets are a key enabler for stand alone (untethered) operations. Often times, Commanders will find that their units cannot reach the authoritative or even a local trusted database. In this case, the watch list becomes a tool the service member can quickly check against and take action upon.

720

6.10.4. (U) These datasets speed (or decrease) match times. Instead of checking 1:All the data is check 1:Some. This can decrease match times on the objective, or at an ECP, by a factor of ten.

724  
725

726 6.10.5. (U) Finally, these datasets enable Commanders to  
727 share their individuals of interest. A Commander may have  
728 a local leader in his sphere of influence whom the  
729 Commander wishes to track but not detain. That  
730 individual's biometric can be shared and added to the watch  
731 list as "Do not detain." A suspected bomb maker could be  
732 flagged as a 'hold' based on the circumstance of the  
733 encounter. Finally, a Commander may want to target an  
734 individual. That individual's record can be flagged as  
735 'detain' for the next encounter.

736

#### 737 **6.11. (U) Other Datasets**

738

739 6.11.1. (U) Other Datasets. Beyond watch lists, USCENTCOM  
740 uses local trusted datasets ("skeleton" databases/local  
741 databases) to decrease match times and increase  
742 throughputs. A Commander can decide to locally retain a  
743 portion of the database for command use. For example,  
744 while conducting population management a Commander may have  
745 a local database containing only persons authorized access  
746 to an area to enable 'red light/green light' operations.

747

748 6.11.2. (U) Local trusted datasets will be used for  
749 verification and identification only. All new enrollments  
750 will be sent to the ABIS for matching and storage.

751

#### 752 **6.12. (U) Sharing of datasets**

753

754 6.12.1. (U) Sharing. Datasets will also be created and  
755 shared with coalition partners in accordance with  
756 constraints outlined in paragraph 9 of this CONOP. These  
757 datasets will generally be the biometrics themselves along  
758 with unclassified contextual data.

759

### 760 **7. (U) Systems Support Requirements to Biometrics**

761

762 7.1. (U) USCENTCOM employs a biometrics joint enterprise  
763 system approach to biometrics to eliminate redundancy of  
764 effort. The hub of this system for fingerprints is the DoD  
765 Automated Biometrics Identification System (ABIS). Unless  
766 specifically noted in this CONOP, all data captured in the  
767 USCENTCOM AOR will go to the ABIS for matching and storage,  
768 regardless if a local trusted database is used.

769

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

770 7.1.1. (U) USCENTCOM is responsible for integrating all  
771 approved biometric systems into its architecture.  
772 USCENTCOM will approve any new system, or modification to  
773 existing system, to ensure interoperability with its  
774 architecture. This includes any biometric collected to any  
775 standard by all USCENTCOM components in the AOR.

776  
777 7.1.2. (U) For non-DoD agencies operating in the USCENTCOM  
778 AOR, all data collected on a DoD facility or as part of a  
779 USCENTCOM mission will be integrated in the architecture.

780  
781 7.1.3. (U) USCENTCOM fully supports all non-DoD agency  
782 interaction and interoperability with its architecture and  
783 will share its databases as required.

784  
785 7.1.4. (U) USCENTCOM units employ biometrics collection and  
786 processing systems as either networked or stand alone  
787 systems. A networked systems match provides an  
788 authoritative match against ABIS or a local trusted  
789 database, while stand alone devices use a dataset ('watch  
790 list' or 'skeleton database') for local matching. However,  
791 all enrollment data and unmatched identification data, even  
792 if it is stand alone, will be sent to the ABIS for storage.

793  
794 7.1.5.(U) Regardless of collection systems, USCENTCOM units  
795 will send all biometric fingerprint, face and iris data to  
796 the ABIS for storage and reference. Palm print data, when  
797 taken, must also be sent to the ABIS.

798  
799 7.1.6. (U) The biometric priority order for collection is  
800 fingerprints, iris images and facial photographs.  
801 Components will collect DNA from detainees at the theater  
802 facilities along with palm prints. Components are  
803 authorized to collect to hand geometry and voice.

804  
805  
806  
807  
808  
809  
810  
811  
812  
813  
814



815  
816  
817  
818

## 7.2. (U) Fingerprints.

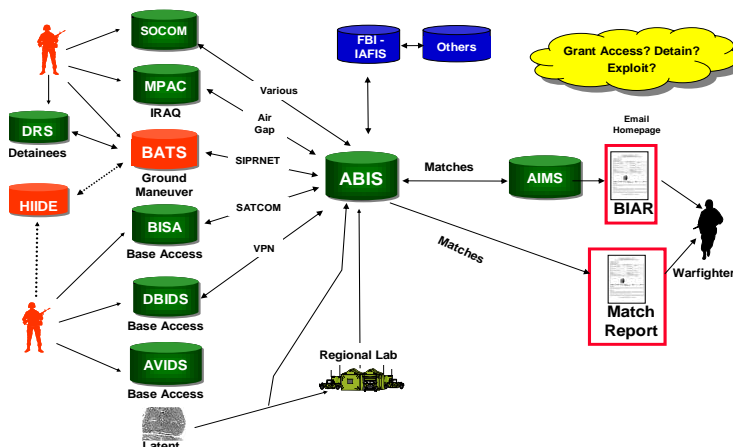


Figure 5: The USCENTCOM Biometrics Systems of Systems

819  
820  
821  
822  
823  
824  
825  
826  
827  
828  
829  
830  
831  
832  
833  
834  
835  
836  
837  
838  
839  
840  
841  
842  
843  
844  
845  
846

7.2.1. (U) Fingerprints are captured IAW Annex D of this document.

7.2.2. (U) Collection of the biometric contextual data will be IAW Electronic Biometric Transmission Standard (EBTS) along with additional USCENTCOM-directed contextual data. A typical EBTS file is 700k-1.3 megabytes. See Annex D for all collection standards.

7.2.3. (U) If a live scan is not available, ink and paper will be used to capture fingerprints. If live scan and ink and paper are not available, capacitance sensors will be used provided they meet the standards in paragraph 7.2.2 and Annex D.

## 7.3. (U) Processing (Storage/Matching/Referencing)

7.3.1. (U) Outside of Biometrics Identification System for Access (BISA), all biometrics are initially processed and stored in local trusted databases. This allows local matches of some of the records but does not provide for matching against all available records.

7.3.2. (U) After matching against the local database, EBTS files will be sent to the ABIS for authoritative matching.



847 They are matched against all existing DoD records and  
848 stored for future matching. Networked systems will send  
849 their records to the ABIS within 6 hours of capture. Stand  
850 alone systems that capture new data on various missions  
851 must connect to a network as soon as practical after the  
852 mission is completed. Disconnected systems will send their  
853 records to the ABIS within 6 hours of reconnecting to the  
854 network.

855

856 7.3.3. (U) The ABIS is unclassified. Records sent to the  
857 ABIS via SIPRNET must be downgraded according to unit SOP.  
858 Ideally, new biometrics systems in the AOR will be 'born  
859 unclassified' allowing flexibility to be employed on any  
860 network. Biometric Automated Toolkit (BAT) records will be  
861 downgraded by NGIC.

862

#### 863 **7.4. Other Databases**

864

865 7.4.1. (U) In addition to fingerprints, the ABIS contains  
866 iris and facial images. However, ABIS is not currently  
867 able to match based on those two modalities. Until these  
868 functionalities are achieved, local non-fingerprint  
869 matching databases will be used. There are series of  
870 trusted databases: for face and iris, BAT databases  
871 accomplish this role. Units requiring a match from the BAT  
872 database must merge the files into BAT as an EBTS. For  
873 DNA, there is no authoritative DoD database; however,  
874 matches can be conducted *one to one* to verify a known  
875 individual from the Armed Forces DNA Identification  
876 Laboratory (AFDIL) database.

877

#### 878 **7.5. (U) Irises**

879

880 7.5.1. (U) Both irises images will be captured as part of  
881 all enrollments. Annex D contains a technical description  
882 of the requirement.

883

884 7.5.2. (U) Irises can be used for all biometric missions  
885 and are a fast, non-intrusive means of verifying and  
886 identifying persons to a high degree of certainty.  
887 Identification of individuals using irises on a man-  
888 portable system can be conducted in less than 3 minutes.

889

890 7.5.3. (U) Units can use a BAT enrollment station, HIIDE or  
891 Pier 2.3 to verify identity.

892

893 7.5.4. (U) All systems capturing irises images will send  
894 their data to ABIS for storage.

895

896 7.5.5. (U) Until the ABIS is capable of matching iris  
897 images, all matches will occur on local BAT databases and  
898 there will be no BIAR produced. Units may request a BIAR  
899 on iris matches through NGIC.

900

## 901 **7.6. (U) DNA**

902

903 7.6.1 (U) DNA will be collected on all detainees when they  
904 are moved into the TIFs using Buccal Swabs (Q-Tip on the  
905 inside of the person's cheek).

906

907 7.6.2. (U) DNA will be forwarded to the Armed Forces DNA  
908 Identification Laboratory (AFDIL) for processing and  
909 retention.

910

911 7.6.3. (U) DNA matches will be sent to NGIC for  
912 intelligence analysis and a possible BIAR

913

914 7.6.4. (U) Annex D contains a technical description of DNA  
915 capture requirements.

916

917 7.6.5. (U) DNA collected as a part of a forensic  
918 investigation can be locally stored and processed.

919

## 920 **7.7. (U) Speaker Recognition**

921

922 7.7.1. (U) Speaker recognition is the matching of an  
923 individual identity to a voice.

924

925 7.7.2. (U) There are no current ANSI/NIST standards for  
926 speaker recognition nor processors/databases for matching,  
927 however USCENTCOM recognizes the RAPTR ACDT (CHAMPION) as  
928 the short term future tool set in development for this  
929 standard.

930

931 7.7.3. (U) USCENTCOM does not endorse the capturing of  
932 voice without a standard. However, units may capture voice  
933 data based on mission needs.

934

## 935 **7.8. (U) Hand Geometry**

936

937 7.8.1. (U) Hand geometry is not required biometric  
938 enrollment unless it is specifically required for local  
939 verification missions.

940  
941 7.8.2. (U) Hand geometry is authorized for verification  
942 only. It will not be used for identification.

943  
944 7.8.3. (U) Hand geometry data will not be sent to the ABIS.

945

#### 946 **7.9. (U) Palm Prints**

947

948 7.9.1. (U) Palm prints are not required for all  
949 enrollments.

950

951 7.9.2. (U) Effective 90 days after the release of this  
952 CONOP, palm prints must be taken from detainees and mailed  
953 to the ABIS for matching. Effective 30 days after this  
954 CONOP is released all detainees must have their palm prints  
955 captured. Screening against the ABIS will be conducted as  
956 capability is available.

957

958 7.9.3. (U) Palm prints capture will include the palm area  
959 and the 'writer's palm' - the area on the outside of the  
960 palm between the pinky and the wrist. The image will be  
961 1,000 ppi.

962

963 7.9.4. (U) Annex D contains a technical description of the  
964 requirement.

965

#### 966 **7.10. (U) Facial Photos**

967

968 7.10.1. (U) 5 facial photos will be taken as part of all  
969 enrollments. Annex D contains a technical description of  
970 the requirement.

971

972 7.10.2. (U) With the exception of detainees in Guantanamo,  
973 facial photos will be UNCLASSIFIED and sent to the ABIS for  
974 matching and storage.

975

976 7.10.3. (U) Photos of detainees in Guantanamo will be  
977 handled IAW paragraph 9 of this document and DepSecDef memo  
978 dated June 2, 2006.

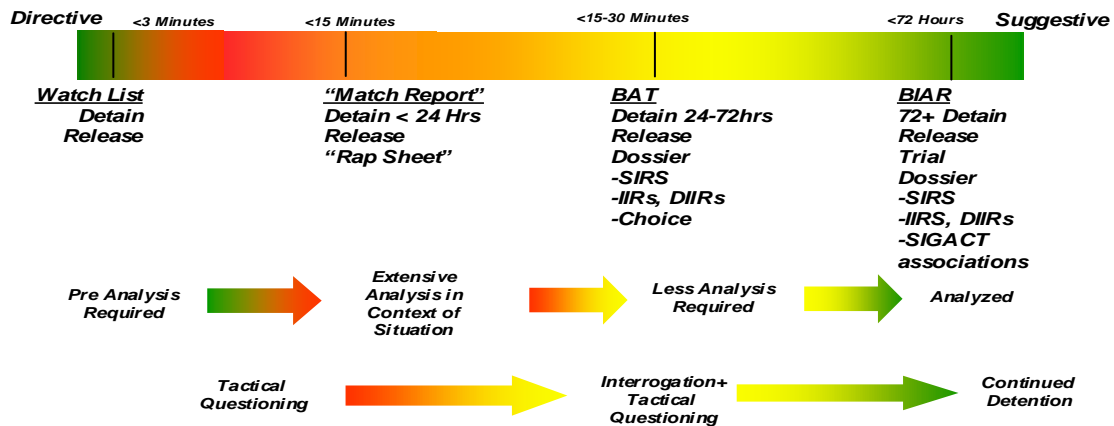
979

980

981

982  
 983  
 984  
 985  
 986  
 987  
 988  
 989

### 7.11. (U) Analysis



990  
 991  
 992  
 993  
 994  
 995  
 996  
 997  
 998  
 999

Figure 6: Analysis

7.11.1 (U) Once a biometric match is made, it must be analyzed based on the previous instances of the individual and the associated contextual information. This can be done forward based on a BAT-generated match report or through NGIC's BIAR portal (AIMS) or the Marines Joint Prosecutorial Exploitation Center (JPEC).

7.11.2. (U) The match report is an ABIS report or BAT dossier. These reports cover a known history of instances of encounters of an individual. These match reports will list the previous encounters of the individual but not provide analytical amplification. For example, a match report for a person mistakenly detained and then released after 48 hours will look very similar to a person detained for 14 days but released for lack of evidence. On the other hand, a latent matched to an IED discovery may be because the person discovered the IED and contaminated the

1010 evidence. Match reports are well suited for tactical  
1011 questioning and development of an interrogation plan.

1012  
1013 7.11.3. (U) The BIAR is less timely but more in depth.  
1014 Standard processing time is less than 6 hours (for a  
1015 certain subset of matches), though it can be accelerated  
1016 upon request. Unlike a match report, BIARs are processed  
1017 analytical products that associate the individual with his  
1018 or her known history and include more than just the  
1019 biometric. BIARs are usually sufficient to support long  
1020 term detention or to support adjudication of a person's  
1021 status. For example, in a case of an IED latent match,  
1022 NGIC will go back to the SIGACT (significant activity) and  
1023 determine if the latent was the result of incidental  
1024 contact with the IED. They will also evaluate the location  
1025 of the latent to provide feedback to help determine if the  
1026 person was involved in the assembly or emplacement.

## 1027 1028 **8. (U) Systems Employment**

1029  
1030 8.1 (U) Figure 7 shows biometrics systems that are approved  
1031 to enable missions in the USCENTCOM AOR. The green boxes  
1032 (filled in) are the USCENTCOM-recommended and supported  
1033 systems for the selected missions. Of note, BISA is the  
1034 approved base access solution for Iraq and DBIDS for the  
1035 remainder of the AOR. The SOCOM Special Operations  
1036 Identity Dominance (SOID) kit, for identification and  
1037 enrollment, is approved for all SOCOM mission sets.

1038  
1039 8.1.1. (U) Additional system uses or upgrades must be  
1040 approved by the USCENTCOM Biometrics Advisory Board (CBAB)  
1041 prior to employment. Contact CCJ3- Biometrics for further  
1042 information.

1043  
1044 8.1.2. (U) As part of the CBAB approval process, all new  
1045 systems will be tested by the Biometrics Fusion Center  
1046 (BFC) for technical interoperability, compliancy, and data  
1047 capabilities prior to submission for approval. The BFC will  
1048 test to ensure they meet DoD and USCENTCOM standards and  
1049 are in accordance with USCENTCOM Regulation 25200 for  
1050 impacts to the network.

1051

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

Operational System	Tactical Missions							
	Targeting/M anuever	Force Protection	Intelligence Operations	Detainee Operations	CMO	IA	Access Management	Coalition
BAT	✓	✓	✓	✓	✓			✓
EMIO Tool Set	✓				✓			✓
BISA	✓	✓			✓		✓	
DBIDS	✓	✓					✓	
MPAC								✓
HIIDE	✓				✓			
DRS				✓				
AVIDS								
ESE	✓							
SOID	✓				✓			✓

Figure 7: The USCENTCOM Approved Systems

Green is the recommended system

8.2. (U) Commanders should not assume this diagram is a constraint on any operations and may employ their systems based on mission needs. However in doing so they accept the risk that using an improper biometric tool will not meet their requirements.

### 8.3. (U) Types of Capture

8.3.1. USCENTCOM recognizes three types of biometrics capture- enrollment, identification and verification. See Annex A figure 1-1 and 1-2 for a crosswalk of mission types to biometrics encounters.

8.3.2. (U) The USCENTCOM standard for an initial or suspected initial encounter of an individual is enrollment. The USCENTCOM standard for follow-on encounters of the individual is verification. When there is doubt about whether an individual has been previously enrolled and there is time, USCENTCOM Commanders are directed to conduct full enrollments.

8.3.2.1. (U) Enrollment is the creation of a biometric record for the purpose of retaining this file in the DoD authoritative database. It will be stored for future matching and be shared with other national and international agencies.

8.3.2.1.1. (U) USCENTCOM expects 'full enrollment' for all detainee operations, access privileges, and in any situation where time allows for full enrollment.

1085

1086 8.3.2.2. (U) USCENTCOM enrollment consists of rolled  
1087 fingerprints, 5 facial photos, both irises and contextual  
1088 data. DNA and palm prints are also required for detainee  
1089 enrollments.

1090

1091 8.3.3. (U) Identification is the establishment of an  
1092 identity through matching against an existing enrollment.  
1093 It can be off an existing dataset (watch list), local  
1094 trusted database (BAT) or trusted or authoritative source  
1095 including a secure credential.

1096

1097 8.3.3.1. (U) The USCENTCOM standard for identification is  
1098 matching an enrolled record against one of the following:  
1099 both thumbs and both index fingers, a four finger slap  
1100 print, or both irises. These techniques generally produce  
1101 high confidence in the match result. Total planning time  
1102 for identification is 3 minutes in a communications-rich  
1103 environment, 30 minutes in an austere environment.

1104

1105 8.3.3.2. (U) All biometrics captured but not matched as a  
1106 part of an identification will be sent to the ABIS for  
1107 storage and possible matching. If commanders have reason  
1108 to believe that an individual may not otherwise be  
1109 enrolled, they will conduct a full enrollment as  
1110 circumstances allow.

1111

1112 8.3.4. (U) Verification is the matching of an individual to  
1113 an existing biometric 1:1. It usually involves matching a  
1114 credential (a base or area access card) to an individual.  
1115 There is no new information captured and it is merely a  
1116 comparison to an existing capture.

1117

1118 8.3.4.1. (U) Because verification does not involve the  
1119 capture of a biometric nor the inclusion of any of the  
1120 contextual data, it can be conducted using a capacitance  
1121 reader.

1122

1123 8.3.4.2. (U) Verification data can be used to collect  
1124 historical information on individuals, but under no  
1125 circumstances will the data be used as a substitute for an  
1126 enrollment or identification. If an individual fails to  
1127 verify data, that individual will be enrolled.

1128

1129 8.3.5. (U) Hasty enrollment is anything less than a full  
1130 enrollment. Though the goal is full enrollment, USCENTCOM  
1131 realizes that based on mission needs Commanders may not  
1132 have the time to conduct a full enrollment.  
1133

1134 8.3.5.1. (U) Hasty enrollments are not suitable for  
1135 complete processing and thorough analysis. Due to the  
1136 potential of decreased quality and quantity of biometrics  
1137 captured from hasty enrollment, they may have minimal value  
1138 for future matching, and they limit the ability to match  
1139 against data from other US agencies and governments.  
1140

1141 8.3.5.2. (U) Commanders are authorized to conduct a hasty  
1142 enrollment as an exception only, provided they accept the  
1143 risk of incomplete data checks and chance of 'false  
1144 negative' results. Commanders will capture as much data as  
1145 possible but must accept these risks. For example, if a  
1146 Commander elects to only capture 4 prints, he is missing  
1147 60% of possible latent matches. If a Commander uses less  
1148 than a full finger scanning device, he will only be able to  
1149 match off less than 7% of latent prints. In addition to  
1150 restricting the ability to match against existing records,  
1151 hasty enrollments decrease the reliability of future match  
1152 attempts against the individual who is not being fully  
1153 enrolled, and against matching with other US Government  
1154 agencies.  
1155

1156 8.3.5.3. (U) If the subject requires adjudication based on  
1157 the hasty enrollment (detention, accesses, etc...) a full  
1158 enrollment must be conducted.  
1159

1160 8.3.5.4. (U) Biometrics captured as result of a hasty  
1161 enrollment will be sent to the ABIS for storage and  
1162 possible matching.  
1163

1164 8.3.5.5. (U) Biometrics captured as result of hasty  
1165 enrollment is incomplete and the ABIS cannot generally  
1166 share it with the FBI, other agencies, or foreign  
1167 governments. Given that the FBI only accepts full  
1168 enrollments, biometrics captured in hasty enrollments will  
1169 not be as useful for homeland security or global counter-  
1170 terrorism.  
1171

## 1172 **9. (U) Constraints and Policies**

1173



1174 9.1. (U) Foreign and domestic laws, policies, regulations,  
1175 and cultural inhibitions may limit, prohibit or restrict  
1176 the employment of biometrics capabilities. For example,  
1177 the Privacy Act forbids the sharing of US Persons'  
1178 (Citizens and US Resident Aliens) biometric data without  
1179 their knowledge. Also, European Union member nations have  
1180 more stringent restrictions on sharing biometrics.

1181

## 1182 **9.2. (U) Biometric Capture Constraints**

1183

1184 9.2.1. (U) With the exception of US Persons and Coalition  
1185 Government/ Military members, current DoD policy directs  
1186 the capture of biometrics on all personnel voluntarily  
1187 desiring access to US Bases, facilities and installations  
1188 in the USCENTCOM AOR.

1189

1190 9.2.2. (U) Commanders can, as part of a criminal  
1191 investigation, capture US Persons' biometrics if they are  
1192 suspected of terrorist or criminal acts without a signed  
1193 privacy act. Generally, collection of biometrics for  
1194 criminal acts by US Persons on US installations, bases or  
1195 FOBs will not be sent to the ABIS for matching.

1196

1197 9.2.3. (U) Commanders can make biometric enrollment a  
1198 condition of employment or voluntary access to DoD  
1199 facilities in the USCENTCOM AOR regardless of nationality.  
1200 If so, a privacy act must be signed.

1201

1202 9.2.4. (U) Personnel with dual US citizenship are  
1203 considered US Persons for purposes of biometrics  
1204 collection.

1205

1206 9.2.5. (U) Personnel whose citizenship is uncertain are  
1207 considered non-US Persons and not coalition government/  
1208 military members for purposes of biometrics collection.

1209

1210 9.2.6. (U) Commanders can capture biometrics of deceased or  
1211 wounded individuals. With the exception of known US  
1212 Persons, Commanders will use their discretion in  
1213 determining if the deceased will be treated as "Red, Gray  
1214 or Blue."

1215

1216 9.2.7. (U//FOUO) HUMINT data collection will be handled IAW  
1217 Annex E to this document.

1218

1219 9.2.8. (U) Biometrics captured exclusively to track medical  
1220 support will be clearly marked in that individuals record  
1221 to prevent unintentional release of their data.  
1222

1223 9.2.9. (U) Biometrics captured exclusively as part of a NEO  
1224 operation will be clearly marked with the mission name and  
1225 individual's country of origin to prevent unintentional  
1226 release of the data.  
1227

1228 9.2.10. (U//FOUO) Facial photos of detainees in Guantanamo  
1229 will be treated as classified IAW DepSecDef memo dated June  
1230 2, 2006.  
1231

### 1232 **9.3 (U) Sharing constraints.**

1233

1234 9.3.1. (U) Classification. Unless specifically noted, the  
1235 biometric itself will be treated as Sensitive but  
1236 Unclassified (SBU).  
1237

1238 9.3.2. (U) Commanders will not share US Persons' biometrics  
1239 with non-US government organizations without a privacy act  
1240 statement specifically authorizing such sharing. Privacy  
1241 Act statements must include the organization(s) the data  
1242 will or can be shared with. This includes the biometric  
1243 itself (image, template or minutia) and its associated  
1244 contextual information.  
1245

1246 9.3.2.1 (U//FOUO) Commanders can request exceptions to  
1247 paragraph 9.3.2 through the CBAB for Known Suspected  
1248 Terrorist US Persons only.  
1249

1250 9.3.3. (U) Commanders will not share coalition members'  
1251 biometric data without approval from USCENTCOM. This  
1252 includes the biometric itself (image, template or minutia)  
1253 and its associated contextual information.  
1254

1255 9.3.4. (U) Commanders will ensure that all US Person and EU  
1256 members are appropriately identified in the associated  
1257 contextual data.  
1258

1259 9.3.5. (U) Classified biometrics and/or associated  
1260 contextual data will be shared as applicable though FDO  
1261 channels.  
1262

1263 9.3.6. (U) Commanders will share all other biometrics with  
1264 approval from USCENTCOM CBAB.  
1265

1266 9.3.7 (U) Personnel with dual citizenship are considered US  
1267 Persons for purposes of biometrics sharing.  
1268

1269 9.3.8. ((U//FOUO)) Data collected through HUMINT channels  
1270 will not be shared without approval of USCENTCOM CCJ2-X.  
1271

1272 9.3.9. (U) Biometrics collected exclusively to track  
1273 medical support will shared IAW medical information release  
1274 polices.  
1275

1276 9.3.10. (U//FOUO) Facial photos of detainees in Guantanamo  
1277 will not be shared without approval of the unit's FDO and  
1278 USCENTCOM CCJ3.  
1279

1280 9.4. (U) For circumstances not covered in paragraph 9.1-  
1281 9.2, Commanders will use their judgment, to include  
1282 consideration of and, when applicable, abiding by host  
1283 nations laws and customs when collecting biometrics.  
1284

1285 9.5. (U) Nothing in paragraphs 9.1-9.3 prohibits the  
1286 Commander from, in exceptional circumstances, conducting  
1287 biometric enrollments of a population set or sharing  
1288 biometrics to protect the force from an immediate threat.  
1289

1290 9.6. (U) Under no circumstance will units assigned to  
1291 USCENTCOM deny humanitarian services solely because an  
1292 individual refuses to provide a biometric. However,  
1293 biometrics will be captured for force protection reasons.  
1294

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

1295

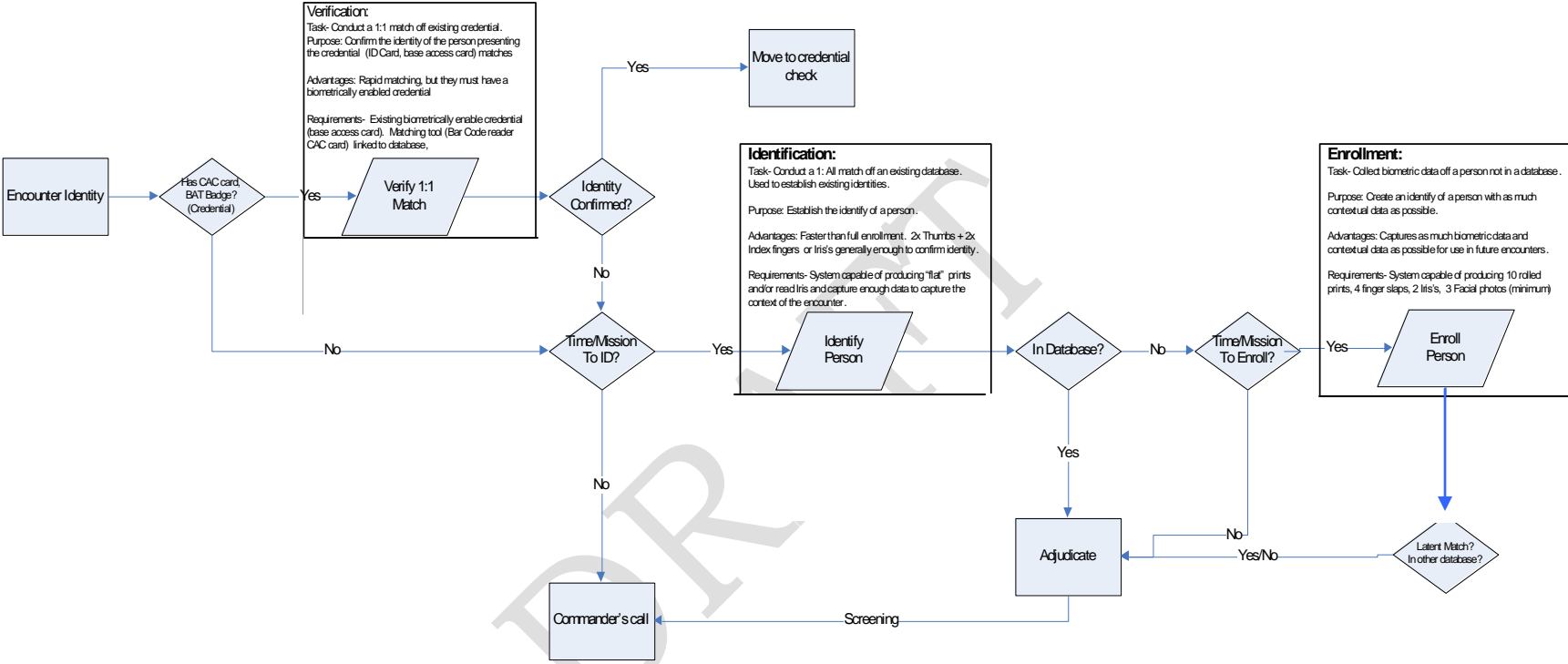
**Annex A- System Crosswalk**

	<b>Mission</b>	<b>Network</b>	<b>Mission</b>	<b>Modality</b>	<b>Time</b>	<b>Product -</b>
RED FORCE Database	<b>Offensive Operations -</b>	SIPRNET, untethered	Identification	2x Index Finger and 2x Thumbs or 2 x Iris, XX key fields	Off watchlist, < 3 minutes, Off other <15 Minutes	Red Light/Green Light or Match Report/Rap Sheet
			Enrollment	10x rolled, 2x Slaps, 2x Iris, 5x Facial Photos, All Fields	<15 Minutes against ABIS and local DB	History of encounters, RAP sheet
	<b>Force Protection</b>	NIPRNET, SIPRNET, untethered	Verification	Hand Geometry, 1 x Index finger of credential	<30 Sec off credential (badge)	Red Light/Green Light
			Identification	1x Index Finger w/ credential, 2x Index Finger and 2x Thumbs or 2 x Iris without	<3 Minutes against local DB, <24hrs from ABIS	Red Light/Green Light or Match Report/Rap Sheet
			Enrollment	10x rolled, 2x Slaps, 2x Iris, 5x Facial Photos, All Fields	<30 minutes to enroll, answer w/i 24 hours	BIAR
	<b>Intelligence Operations</b>	SIPRNET, tethered	Identification	10x rolled, 2x Slaps, 2x Iris, 5x Facial Photos, All Fields	<15 Minutes	BIAR, RAP Sheet
<b>Detainee Operations -</b>	SIPRNET, tethered	Identification	2x Index Finger and 2x Thumbs or 2 x Iris	<30 Minutes against local DB, <24 Hrs from ABIS	Red Light/Green Light or Match Report/Rap Sheet	
		Enrollment	10x rolled, 2x Slaps, 2x Iris, 5x Facial Photos, All Fields	<30 minutes to enroll, answer <24 Hrs hours from ABIS	BIAR	
RED or Blue force Database	<b>CMO</b>	NIPRNET, SIPRNET, untethered	Verification	1x Index Finger w/ credential	<30 Sec off credential (badge)	Red Light/Green Light
			Identification	2x Index Finger and 2x Thumbs or 2 x Iris, XX key fields	<3 Minutes against local DB, <24hrs from ABIS	Red Light/Green Light or Match Report/Rap Sheet
			Enrollment	10x rolled, 2x Slaps, 2x Iris, 1x Facial Photo, CMO fields	<30 minutes to enroll, answer w/i 24 hours	BIAR
Blue Force	<b>Information Assurance</b>	NIPRNET, SIPRNET	Verification	1x Index Finger (US Person)	<15 Sec off credential (CAC Card)	Red Light/Green Light
			Identification	1x Index Finger (US Person)	<3 Minutes against local DB, <24hrs from DEERS/RAPID	None
			Enrollment	1x Index Finger (US Person)	<10 minutes to enroll,	None
	<b>Access Management</b>	NIPRNET, SIPRNET, untethered	Verification	1x Index Finger off CAC card	<10 Sec off credential (CAC Card)	Red Light/Green Light
			Identification	1x Index Finger from DMDC database	<3 Minutes against local DB, <24hrs from DEERS/RAPID	Complete History of previous encounters establishing identity and encounters
	<b>Personnel Recovery</b>	NIPRNET, SIPRNET, untethered	Verification	1x Right Index finger off CAC card	<10 Sec off credential (CAC Card)	Confirmation of Identity (Green Light)
Identification			2x Index Finger and 2x Thumbs against DMDC database or DNA from AFDIL database	<3 Minutes against local DB, <24hrs from DEERS/RAPID	Complete History of previous encounters establishing identity and encounters	

1296  
1297  
1298

Figure 1 to Annex A  
Mission Cross walk

1299  
 1300



1301  
 1302  
 1303  
 1304

Figure 2 to Annex A  
 Mission Flow Chart

1305  
1306  
1307  
1308  
1309  
1310  
1311  
1312  
1313  
1314  
1315  
1316  
1317  
1318  
1319  
1320  
1321  
1322  
1323  
1324  
1325  
1326  
1327  
1328  
1329  
1330  
1331  
1332  
1333  
1334  
1335  
1336  
1337  
1338  
1339  
1340  
1341  
1342  
1343  
1344  
1345  
1346  
1347  
1348  
1349  
1350  
1351  
1352  
1353

## Annex B Glossary AND Terms

### Terms

#### 1:1

A phrase used in the biometrics community to describe a system that compares one reference to one enrolled reference to make a decision. The phrase typically refers to the verification task (though not all verification tasks are truly one-to-one) and the identification task can be accomplished by a series of one-to-one comparisons.

#### Adjudication

To determine an individual's status or accesses.

#### Attempt

The submission of a single set of biometric sample to a biometric system for identification or verification. Some biometric systems permit more than one attempt to identify or verify an individual.

#### Analyze/Analysis

To examine critically to determine the elements or bring out the essence of an identity. For example, comparing a match in context of the encounter to determine allegiance, or to evaluate a history of encounters to determine intent.

#### Authoritative Database

The single verified database which contains data entities referenced by all other databases. In a tiered approach, it is the highest level database.

#### Badge

A distinctive card bearing identifying information, usually name, and affiliations (unit, agency) and credentials. See credentials.

#### Biometrics

A general term used alternatively to describe a characteristic or a process.

*As a characteristic:*

A measurable, unique or distinguishing biological (anatomical and physiological) and/or behavioral characteristic that can be used for automated recognition.

*As a process:*

Automated methods of recognizing an individual based on measurable biological (anatomical and physiological) and behavioral characteristics.

1354  
1355  
1356  
1357  
1358  
1359  
1360  
1361  
1362  
1363  
1364  
1365  
1366  
1367  
1368  
1369  
1370  
1371  
1372  
1373  
1374  
1375  
1376  
1377  
1378  
1379  
1380  
1381  
1382  
1383  
1384  
1385  
1386  
1387  
1388  
1389  
1390  
1391  
1392  
1393  
1394  
1395  
1396  
1397  
1398  
1399  
1400  
1401  
1402

**Biometric Data**

A catch-all phrase for computer data created during a biometric process. It encompasses raw sensor observations, biometric samples, models, templates and/or similarity scores. Biometric data is used to describe the information collected during an enrollment, verification, or identification process, but does not apply to end user information such as user name, demographic information and authorizations.

**Biometric System**

Multiple individual components (such as sensor, matching algorithm, and result display) that combine to make a fully operational system. A biometric system is an automated system capable of:

1. Capturing a biometric sample from an end user
2. Extracting and processing the biometric data from that sample
3. Storing the extracted information in a database
4. Comparing the biometric data with data contained in one or more reference references
5. Deciding how well they match and indicating whether or not an identification or verification of identity has been achieved.

A biometric system may be a component of a larger system.

**Capacitance Sensor**

A sensor which employs the ratio of compressed charge a conductor to determine the biometric. Generally, a live scan device (see live scan).

**Capture**

The process of collecting a biometric sample from an individual via a sensor for submission. See Submission.

**Characterization of an identity/Individual**

Determination of an identity as known friend (blue), known enemy (red) or unknown (gray).

**Collection**

The process of capturing biometric samples, distinguishing characteristics, background and associated contextual data in order to identify or enroll an individual.

**Comparison**

Process of comparing a biometric reference with a previously stored reference or references in order to make an identification or verification decision.

1403 **Credential**  
1404 Evidence of authority, access or rights or privileges. With  
1405 biometrics, it can be in the form of a badge or digitally on a  
1406 chip or database. (*The PKI chip on the CAC card contains a*  
1407 *credential*)  
1408  
1409 **D-Prime (D')**  
1410 The process of determining an individual's status or access.  
1411  
1412 **Database**  
1413 A collection of one or more computer files. For biometric  
1414 systems, these files could consist of biometric sensor  
1415 readings, templates, match results, related end user  
1416 information, etc.  
1417  
1418 **Decision**  
1419 The characterization of the individual based on the biometric  
1420 match and adjudication, which leads to the determination of  
1421 what action will be taken.  
1422  
1423 **Disbarment List**  
1424 A list of people denied base access. See watch list and  
1425 credential.  
1426  
1427 **End User**  
1428 The individual who will interact with the system to enroll, to  
1429 verify, or to identify.  
1430  
1431 **Enrollment**  
1432 The process of collecting a biometric sample from an end user,  
1433 converting it into a biometric reference, and storing it in  
1434 the biometric system's database for later comparison.  
1435  
1436 **Enterprise**  
1437 A common venture. For biometrics, a common set of systems and  
1438 processes used to achieve identity dominance.  
1439  
1440 **Face Recognition**  
1441 A biometric modality that uses an image of the visible  
1442 physical structure of an individual's face for recognition  
1443 purposes.  
1444  
1445 **Feature(s)**  
1446 Distinctive mathematical characteristic(s) derived from a  
1447 biometric sample; used to generate a reference.  
1448  
1449 **Fingerprint Recognition**  
1450 A biometric modality that uses the physical structure of an  
1451 individual's fingerprint for recognition purposes. Important



1452 features used in most fingerprint recognition systems are  
1453 minutiae points that include bifurcations and ridge endings.  
1454

1455 **Hamming Distance**

1456 The number of non-corresponding digits in a string of binary  
1457 digits; used to measure dissimilarity.  
1458

1459 **Hand Geometry Recognition**

1460 A biometric modality that uses the physical structure of an  
1461 individual's hand for recognition purposes.  
1462

1463 **Hasty Enrollment**

1464 An incomplete enrollment not generally suitable for matching  
1465 all available modalities.  
1466

1467 **Identification**

1468 A task where the biometric system searches a database for a  
1469 reference matching a submitted biometric sample, and if found,  
1470 returns a corresponding identity. A biometric is collected and  
1471 compared to all the references in a database.  
1472

1473 **Identity**

1474 Unchanging physical and personal characteristics of an  
1475 individual. Who a person is regardless of alias's or previous  
1476 personas.  
1477

1478 **Indifferent User**

1479 An individual who knows his/her biometric sample is being  
1480 collected and does not attempt to help or hinder the  
1481 collection of the sample. For example, an individual, aware  
1482 that a camera is being used for face recognition, looks in the  
1483 general direction of the sensor, neither avoiding nor directly  
1484 looking at it. See  
1485

1486 **Intelligence**

1487 The result of analysis by a trained analyst.  
1488

1489 **Interim Match**

1490 A match by a database other than the ABIS prior to matching  
1491 the ABIS.  
1492

1493 **Iris Recognition**

1494 A biometric modality that uses an image of the physical  
1495 structure of an individual's iris for recognition purposes, as  
1496 illustrated below. The iris muscle is the colored portion of  
1497 the eye surrounding the pupil.  
1498

1499 **Latent Fingerprint**

1500 A fingerprint "image" left on a surface that was touched by an  
1501 individual. The transferred impression is left by the surface  
1502 contact with the friction ridges, usually caused by the oily  
1503 residues produced by the sweat glands in the finger.  
1504

1505 **Live Capture**

1506 Typically refers to a fingerprint capture device that  
1507 electronically captures fingerprint images using a sensor  
1508 (rather than scanning ink-based fingerprint images on a card  
1509 or lifting a latent fingerprint from a surface).  
1510

1511 **Local Trusted Database**

1512 A database, other than the ABIS, which is validated by the  
1513 Commander for local matching.  
1514

1515 **Match**

1516 A decision that a biometric sample and a stored template comes  
1517 from the same human source, based on their high level of  
1518 similarity  
1519

1520 **Matching**

1521 The process of comparing a biometric sample against a  
1522 previously stored template and scoring the level of similarity  
1523 (difference or hamming distance). Systems then make decisions  
1524 based on this score and its relationship (above or below) a  
1525 predetermined threshold.  
1526

1527 **Mimic**

1528 The presentation of a live biometric measure in an attempt to  
1529 fraudulently impersonate someone other than the submitter.  
1530

1531 **Modality**

1532 A type or class of biometric system. For example: face  
1533 recognition, fingerprint recognition, iris recognition, etc.  
1534

1535 **Multimodal Biometric System**

1536 A biometric system in which two or more of the modality  
1537 components (biometric characteristic, sensor type or feature  
1538 extraction algorithm) occurs in multiple.  
1539

1540 **Non-cooperative User**

1541 An individual who is not aware that his/her biometric sample  
1542 is being collected. Example: A traveler passing through a  
1543 security line at an airport is unaware that a camera is  
1544 capturing his/her face image.  
1545

1546 **Palm Print Recognition**

1547 A biometric modality that uses the physical structure of an  
1548 individual's palm print for recognition purposes, as  
1549 illustrated below.

1550  
1551 **Pixels Per Inch (PPI)**

1552 A measure of the resolution of a digital image. The higher the  
1553 PPI, the more information is included in the image, and the  
1554 larger the file size.

1555  
1556 **Platen Size**

1557 The size of the sensor plate used collect a finger or palm  
1558 print. For example, the FBI standard for rolled prints is a  
1559 1x1 platen.

1560  
1561 **Population**

1562 The set of potential end users for an application.

1563  
1564 **Recognition**

1565 A generic term used in the description of biometric systems  
1566 (e.g. face recognition or iris recognition) relating to their  
1567 fundamental function. The term "recognition" does not  
1568 inherently imply the verification or identification (watch  
1569 list).

1570  
1571 **Record**

1572 The template and other information about the end user (e.g.  
1573 name, access permissions).

1574  
1575 **Reference**

1576 The biometric data stored for an individual for use in future  
1577 recognition. A reference can be one or more templates, models  
1578 or raw images.

1579  
1580 **Rolled Fingerprints**

1581 An image that includes fingerprint data from nail to  
1582 nail, obtained by "rolling" the finger across a  
1583 sensor, as illustrated to the left.



1584  
1585 **Segmentation**

1586 The process of parsing the biometric signal of interest from  
1587 the entire acquired data system. For example, finding  
1588 individual finger images from a slap impression, as  
1589 illustrated below.

1590



1591

1592

**Sensor**

1593

Hardware found on a biometric device that converts biometric input into a digital signal and conveys this information to the processing device.

1594

1595

1596

1597

**Silent Match**

1598

A match from a database where the distribution of the match and/or associated contextual data is limited to small group or agency based "on need to know." Normally, it is reserved for classified information or classified mission.

1599

1600

1601

1602

1603

**Silent Notification**

1604

A match from a database where notification is either limited to small group or agency based "on need to know" or an agency is notified outside of normal processing. Normally, it is reserved for classified information or classified mission.

1605

1606

1607

1608

1609

**Slap Fingerprint**

1610

Fingerprints taken by simultaneously pressing the four fingers of one hand onto a scanner or a fingerprint card, as illustrated to the left.

1611

1612

1613

Slaps are known as four finger simultaneous plain impressions.

1614

1615

1616

**Speaker Recognition**

1617

A biometric modality that uses an individual's speech, a feature influenced by both the physical structure of an individual's vocal tract and the behavioral characteristics of the individual, for recognition purposes. Sometimes referred to as "voice recognition." "Speech recognition" recognizes the words being said, and is not a biometric technology.

1618

1619

1620

1621

1622

1623

1624

**Spoof/Spoofing**

1625

The ability to fool a biometric sensor into recognizing an illegitimate user as a legitimate user (verification) or into missing an identification of someone that is in the database.

1626

1627

1628

1629

**Submission**

1630

The process whereby an end user provides a biometric sample to a biometric system in order to verify, enroll or identify.

1631

1632

1633

**Template**

1634 A digital representation of an individual's distinct  
1635 characteristics, representing information extracted from a  
1636 biometric sample. Templates are used during biometric  
1637 authentication as the basis for comparison.  
1638  
1639 **Throughput Rate**  
1640 The number of biometric transactions that a biometric system  
1641 processes within a stated time interval.  
1642  
1643 **Uncooperative User**  
1644 An individual who actively tries to deny the capture of  
1645 his/her biometric data. Example: A detainee mutilates his/her  
1646 finger upon capture to prevent the recognition of his/her  
1647 identity via fingerprint.  
1648  
1649 **Verification**  
1650 A task where the biometric system attempts to confirm an  
1651 individual's claimed identity by comparing a submitted sample  
1652 to one or more previously enrolled templates.  
1653  
1654 **Vet/Vetting**  
1655 The process of determining an individual's allegiance,  
1656 background or suitability for credentialing. See adjudication  
1657 and decision.  
1658  
1659 **Watch list**  
1660 A list of identities of interest to a Commander, unit or  
1661 organization.  
1662

1663

Acronyms

1664

1665

ABIS = Automated Biometrics Identification System

1666

AFDIL = Armed Forces DNA Identification Lab

1667

AIMS = Automated IDENT Management Support

1668

ANSI = American National Standards Institute

1669

AOR = Area of Responsibility

1670

AROC = Army Requirements Oversight Council

1671

BAC = Biometric Analytic Cell

1672

BAT = Biometrics Automated Toolset

1673

BEI = Biometric Enable Intelligence

1674

BFC = Biometrics Fusion Center

1675

BIAR = Biometrics Intelligence Analysis Report

1676

BISA = Biometrics Identification System for Access

1677

BIR = Biometric Intelligence Repository

1678

BTF = Biometrics Task Force

1679

CBAB = CENTCOM Biometric Advisory Board

1680

CBT = Computer Based Training

1681

CEXC = Combined Explosives eXploitation Cell

1682

CITP = Counter-IED Targeting Program

1683

CJIS = Criminal Justice Information Services Division

1684

(FBI)

1685

COCOM = Combatant Command

1686

CONOP = Concept of Operations

1687

CONUS = Continental United States

1688

COPS = Centralized Operation Police Suite

1689

DBIDS = Defense Biometric Identification System

1690

DCGS-A = Distributed Common Ground System - Army

1691

DHS = Department of Homeland Security

1692

DNA = Deoxyribonucleic Acid

1693

DMDC = Defense Manpower Data Center

1694

DMS = Detainee Management System

1695

DoD = Department of Defense

1696

DOJ = Department of Justice

1697

DOS = Department of State

1698

DRS = Detainee Reporting System (NDRC / OPMG)

1699

EBTS = Electronic Biometrics Transmission Specification

1700

EFTS = Electronic Fingerprint Transmission Specification

1701

EIS = Enterprise Information Systems (PEO)

1702

EMIO = Expanded Maritime Interdiction Operations

1703

FBI = Federal Bureau of Investigation

1704

FSE = Field Support Engineer

1705

HOA = Horn of Africa

1706

HIIDE = Handheld Interagency Identity Detection Equipment

1707

HVT = High Value Target

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

1708 IAFIS = Integrated Automated Fingerprint Identification  
1709 System  
1710 IBOS = Intelligence Battlefield Ops System  
1711 IEDD TF = Improvised Explosive Devices Defeat Task Force  
1712 IEW&S = Intelligence, Electronic Warfare and Sensors  
1713 (PEO)  
1714 IIR = Intelligence Information Report  
1715 JAB = Joint Automatic Booking Station (FBI version of  
1716 BAT)  
1717 JFAADD = Joint Federal Agencies Antiterrorism DNA  
1718 Database  
1719 JCIDS = Joint Capability Integration and Development  
1720 System  
1721 JIOC-I = Joint Intelligence Operations Capability - Iraq  
1722 JPEC = Joint Procedural Exploitation Cell  
1723 JROC = Joint Requirements Oversight Council  
1724 JUONS = Joint Urgent Operational Needs Statement  
1725 LEAs = Law Enforcement Agencies  
1726 LEDET = US Navy, with a US Coast Guard Law Enforcement  
1727 Detachment  
1728 LTO = Language and Technology Office (USAIC & FH)  
1729 MIO = Maritime Interdiction Operations  
1730 MNF-I = Multinational Forces Iraq  
1731 MPAC = Multi-Purpose Access Card  
1732 MSC = Major Subordinate Command  
1733 NDRC/S = National Detainee Records Center / System  
1734 NGIC = National Ground Intelligence Center  
1735 NII = Network and Information Intergation  
1736 NIPRNet = Non-secure Internet Protocol Router Network  
1737 NIST = National Institute of Standards and Technology  
1738 OASD = Office Assistant Sec Def  
1739 OEF = Operation Enduring Freedom  
1740 OIF = Operation Iraqi Freedom  
1741 ONS = Operational Needs Statement  
1742 OPMG = Office of the Provost Marshal General  
1743 PISCES = Personal Information Secure Comparison  
1744 Evaluation System (DOS)  
1745 PEO = Program Executive Office  
1746 PDA = Personal Digital Assistant  
1747 PM / PMO = Program Manager / Program Management Office  
1748 POR = Program of Record Office  
1749 P&R = Personnel and Readiness  
1750 PSA = Principal Staff Assistant  
1751 SBU = Sensitive But Unclassified  
1752 SIGACT = Significant Activity

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

1753 SIPRNet = Secret Internet Protocol Router Network  
1754 SOF = Special Operations Forces  
1755 SOID = Special Operations Identity Dominance  
1756 SOP = Standard Operating Procedures  
1757 TEDAC = Terrorist Explosive Device Analytical Center  
1758 THT = Tactical HUMINT Team  
1759 TIB/TIG = Theater Intelligence Brigade / Group  
1760 TRADOC = US Army Training and Doctrine Command  
1761 TSM = TRADOC Systems Manager  
1762 TTP = Techniques, Tactics and Procedures  
1763 UNS = Universal Needs Statement (USMC)  
1764 USAIC & FH = US Army Intelligence Center & Ft. Huachuca  
1765 WIT = Weapons Intelligence Team  
1766 XML = eXtensible Markup Language  
1767

DRAFT



1768  
1769  
1770  
1771  
1772  
1773  
1774  
1775  
1776  
1777  
1778  
1779  
1780  
1781  
1782  
1783  
1784  
1785  
1786  
1787  
1788  
1789  
1790  
1791  
1792  
1793  
1794  
1795  
1796  
1797  
1798  
1799  
1800  
1801  
1802  
1803  
1804  
1805  
1806  
1807  
1808  
1809  
1810  
1811  
1812

**Annex C**  
**References and Policies**

Policies are posted at:

<http://hqswebj2.centcom.smil.mil/biometrics/policy/index.asp>

1. (U) Deputy Secretary of Defense Memorandum, "Force protection Identity Screening for Base Access", (29 MAR 05).
2. (U) Electronic Fingerprint Transmission Specification (EFTS) Version 7.1 , (May 05),  
<http://www.fbi.gov/filelink.html?file=/hq/cjisd/iafis/efts71/efts71.pdf>.
3. (U) American National Standards Institute/National Institute of Standards and Technology (ANSI/NIST)- ITL 1-2000, "Data Format for the Interchange of Fingerprint, Facial, & Scar Mark & Tattoo (SMT) Information," (Sep 00),  
[ftp://sequoyah.nist.gov/pub/nist internal reports/sp500-245-a16.pdf](ftp://sequoyah.nist.gov/pub/nist%20internal%20reports/sp500-245-a16.pdf).
4. (U) "Products certified for compliance with the FBI's Integrated Automated Fingerprint Identification System image quality specifications,"  
<http://www.fbi.gov/hq/cjisd/iafis/cert.htm>.
5. (U) ANSI/INCITS 385-2004, "Face Recognition Format for Data Interchange," (May 04). This standard is copyrighted and licensed copies are available from the DoD BMO.
6. (U) NIST Best Practice Recommendations for the Capture of Mugshots, Version 2.0, (Sep 97),  
[http://www.itl.nist.gov/iad/vip/face/bpr\\_mug3.html](http://www.itl.nist.gov/iad/vip/face/bpr_mug3.html).
7. (U) Department of Defense Biometrics Management Office Website, <http://www.biometrics.DOD.mil>.
8. (U) FBI Procedure on Taking Legible Fingerprints,  
<http://www.fbi.gov/hq/cjisd/takingfps.html>.
9. (U) ANSI/INCITS 379-2004, "Iris Image Interchange Format," (May 04). This standard is copyrighted and licensed copies are available from the DoD BMO.

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

- 1813 10. (U) DA Form 2663-R, "Fingerprint Card,"  
1814 [http://www.apd.army.mil/pub/eforms/pdf/a2663\\_r.pdf](http://www.apd.army.mil/pub/eforms/pdf/a2663_r.pdf).  
1815
- 1816 11. (U) Assistant Secretary of Defense (Networks &  
1817 Information Integration) Memorandum titled "Establishment of  
1818 a DoD Automated Biometric Identification System (ABIS)," 05  
1819 Aug 04.  
1820
- 1821 12. (U) DoD Electronic Biometric Transmission Specification  
1822 (EBTS), Version 1.2, (08 Nov 06)  
1823 [http://www.biometrics.dod.mil/Documents/DoD\\_ABIS\\_EBTS.pdf](http://www.biometrics.dod.mil/Documents/DoD_ABIS_EBTS.pdf)  
1824
- 1825 13. (U) HSPD-6 Integration and Use of Screening Information  
1826 (September 16, 2003)  
1827 ([http://www.whitehouse.gov/news/releases/2003/09/20030916-](http://www.whitehouse.gov/news/releases/2003/09/20030916-5.html)  
1828 [5.html](http://www.whitehouse.gov/news/releases/2003/09/20030916-5.html)).  
1829
- 1830 14. (U) HSPD-11 Comprehensive Terrorist-Related Screening  
1831 Procedures  
1832 ([http://www.whitehouse.gov/news/releases/2004/08/20040827-](http://www.whitehouse.gov/news/releases/2004/08/20040827-7.html)  
1833 [7.html](http://www.whitehouse.gov/news/releases/2004/08/20040827-7.html)).  
1834
- 1835 15. (U) HSPD-12 Policy for a Common Identification  
1836 Standard for Federal Employees and Contractors  
1837 ([http://www.whitehouse.gov/news/releases/2004/08/20040827-](http://www.whitehouse.gov/news/releases/2004/08/20040827-8.html)  
1838 [8.html](http://www.whitehouse.gov/news/releases/2004/08/20040827-8.html)).  
1839
- 1840 16. (U) Federal Information Processing Standard (FIPS) 201  
1841 ([http://csrc.nist.gov/publications/fips/fips201/FIPS-201-](http://csrc.nist.gov/publications/fips/fips201/FIPS-201-032006.pdf)  
1842 [032006.pdf](http://csrc.nist.gov/publications/fips/fips201/FIPS-201-032006.pdf)).  
1843
- 1844 17. (U) Executive Order 13356: Strengthening the Sharing  
1845 of Terrorism Information to Protect America (August  
1846 27, 2004)  
1847 ([http://www.whitehouse.gov/news/releases/2004/08/20040827-](http://www.whitehouse.gov/news/releases/2004/08/20040827-4.html)  
1848 [4.html](http://www.whitehouse.gov/news/releases/2004/08/20040827-4.html)).  
1849
- 1850 18. (U) OMB M-04-04: E-Authentication Guidance for  
1851 Federal Agencies  
1852 (<http://www.whitehouse.gov/omb/memoranda/fy04/m04-04.pdf>).  
1853
- 1854 19. (U) OMB M-05-05: Electronic Signatures: How to  
1855 Mitigate the Risk of Commercial Managed Services  
1856 ([http://www.whitehouse.gov/omb/memoranda/fy2005/m05-](http://www.whitehouse.gov/omb/memoranda/fy2005/m05-05.pdf)  
1857 [05.pdf](http://www.whitehouse.gov/omb/memoranda/fy2005/m05-05.pdf)).

CONCEPT OF OPERATIONS FOR BIOMETRIC OPERATIONS IN THE US CENTRAL  
COMMAND AOR  
DRAFT: 20 Mar 2007

- 1858  
1859 20. (U) OMB M-03-22: OMB Guidance for Implementing the  
1860 Privacy Provisions the E-Government Act of 2002  
1861 (<http://www.whitehouse.gov/omb/memoranda/m03-22.html>).  
1862  
1863 21. (U) DoD Directive 1000.25 "Personnel Identity  
1864 Protection," July 19, 2004.  
1865  
1866 22. (U) Deputy Secretary of Defense Memorandum, "Executive  
1867 Agent for the Department of Defense (DoD) Biometrics  
1868 Project", 27 December 2000.  
1869  
1870 23. (U) DoD Standard Operating Procedure (SOP) for  
1871 Collecting and Processing Detainee Biometric Data (11 FEB  
1872 05).  
1873  
1874 24. (U) Army Regulation 190-8, "Enemy Prisoners of War,  
1875 Retained Personnel, Civilian Internees and Other  
1876 Detainees," (Oct 97),  
1877 [http://www.usapa.army.mil/pdffiles/r190\\_8.pdf](http://www.usapa.army.mil/pdffiles/r190_8.pdf).  
1878  
1879 25. (U) CFC FRAGO 09-596 [BIOMETRIC COLLECTION SYSTEM AND  
1880 REPORTING SYSTEMS] dated 17 JUN 04.  
1881  
1882 26. (U) Annex G, MNF-I Access Control Policy, to MNF-I Memo  
1883 11-1, Command Policies and Procedures.  
1884  
1885 27. (U) DoD Policy for Biometric Information for Access to US  
1886 Installations and Facilities in Iraq dated July 15, 2005.  
1887  
1888 28. (U) Message DTG 191903ZMAR07 "EMIO IDENTITY SCREENING  
1889 CHANGE 1"  
1890  
1891 29. (U) DepSecDef on Classification of Photographs of  
1892 Individuals Detained at Guantanamo dated June 2, 2006.  
1893  
1894 30. (U) DoD policy entitled "Sharing of Biometric Data and  
1895 Associated Information from Non-U.S. Persons with Coalition  
1896 Forces and Allies Date 10 January, 2006  
1897  
1898 31. (U) DoD policy entitled "Sharing of Biometric Data and  
1899 Associated UNCLASSIFIED Information from Non-U.S. Persons with  
1900 Interagency Entities date 10 January, 2006.  
1901  
1902 32. (U)

1903  
1904  
1905  
1906  
1907  
1908  
1909  
1910  
1911  
1912  
1913  
1914  
1915  
1916  
1917  
1918  
1919  
1920  
1921  
1922  
1923  
1924  
1925  
1926  
1927  
1928  
1929  
1930  
1931  
1932  
1933  
1934  
1935  
1936  
1937  
1938  
1939  
1940  
1941  
1942  
1943  
1944  
1945  
1946  
1947

31. (U) Capstone Concept of Operations for DoD Biometrics Support of Identity Superiority date XX XXXX, 2006.

32. (U) Deputy Secretary of Defense Memorandum "Defense Biometrics" 4 October, 2006.

33. (U) Deputy Underscretary of the Army Memorandum "Executive Agent Status on Biometrics," 14 June, 2006.

34. (U) Joint Requirements Oversight Council (JROC) Memorandum "CENTCOM Short term Biometric Priorities," March 2007.

DRAFT

1948  
1949  
1950  
1951  
1952  
1953  
1954  
1955  
1956  
1957  
1958  
1959  
1960  
1961  
1962  
1963  
1964  
1965  
1966  
1967  
1968

TBD

**Annex D**  
**Collection Standards and Mandatory Collection Fields**

DRAFT