2010 DoD BIOMETRICS COLLABORATION FORUM

January 26-28, 2010

Forum Report
Published by the Department of Defense Biometrics Task Force
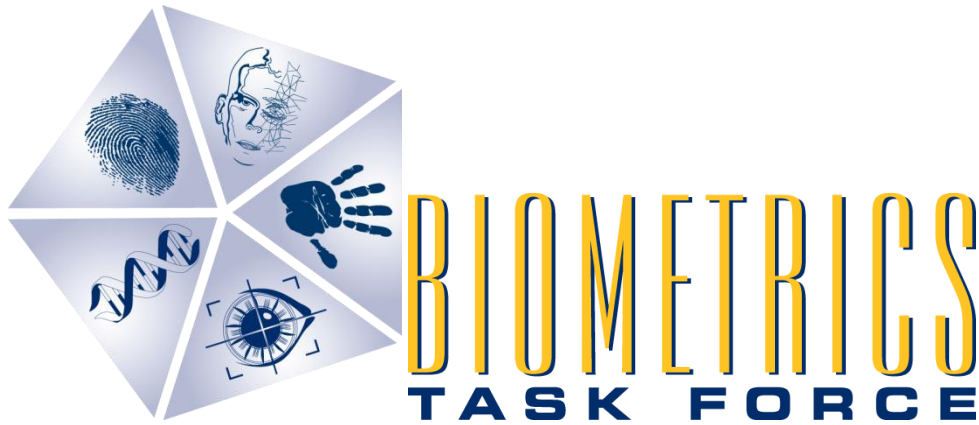
Table of Contents

Introduction:

Thank you for your attendance at the inaugural DoD Biometrics Collaboration Forum. Your participation was crucial to our event's success. Through your hard work we were able to address the urgent issues facing the DoD Biometrics Community and develop concrete ideas of how to resolve them. This report will serve as a summary and reference of the events conducted throughout the forum. All documents contained in this report, as well as forum presentations, are available via the Biometrics Task Force Homepage located at www.biometrics.dod.mil.

Dr. Myra Gray
Director, Biometrics Task Force

Biometrics Collaboration Forum Agenda:

COLLABORATION FORUM AGENDA

TUESDAY JANUARY 26

7:45 – 9:00 . . . . . Conference Check-in – *Ballroom Foyer*

PLENARY SESSION — BIRCH/DOGWOOD ROOMS
9:00 – 9:15 . . . . . Welcome and Introduction of the BTF Director – COL Randy Buckner
Opening Remarks – *Dr. Myra Gray, Director Biometrics Task Force*

9:15 – 9:45 . . . . . Opening Remarks
Mr. Tom Dee, Director Defense Biometrics

9:45 – 10:00 . . . . Session Break

10:00- 12:00 . . . . Conference Overview Session – Standards, Architecture, Policy/Planning, Overseas Contingency Operations, Business Functions, and ABIS (Includes Question and Answer Period)

12:00 – 13:00 . . . Networking Lunch

BREAKOUT SESSIONS — VARIOUS ROOMS
13:00 – 15:00 . . . ABIS Overview – *Dogwood Room*
Point of Contact: Ms. Cheley Gabriel, BTF Enterprise Operations Division Chief

Architecture Objectives and Metrics – *Birch Room*
Point of Contact: Mr. Giovanni DeMonte, BTF Architecture Branch Chief

Biometrics in the DoD Strategic Documents – *Juniper Room*
Point of Contact: Ms. Lisa MacDonald, BTF Plans Branch Chief

Afghanistan Current Operations Overview – *Duke Energy Building*
Point of Contact: LTC William Buhrow, BTF Deputy Operations Support Division Chief

15:00 – 15:15 . . . Session Break

15:15 – 17:30 . . . *Continuation Session*, ABIS Overview – *Dogwood Room*
Point of Contact: Ms. Cheley Gabriel, BTF Enterprise Operations Division Chief

Continuation Session, Architecture Objectives and Metrics – *Birch Room*
Point of Contact: Mr. Giovanni DeMonte, BTF Architecture Branch Chief

Continuation Session, Biometrics in DoD Strategic Documents – *Juniper Room*
Point of Contact: Ms. Lisa MacDonald, BTF Plans Branch Chief

ISAF ABIS – *Duke Energy Building*
Point of Contact: LtCol Thomas Pratt, BTF Military Operations Branch Chief

Full-spectrum Biometrics – *Pine/Magnolia Room*
Point of Contact: LTC Brian Hunt, BTF Business Functions Branch Chief

18:00 – 20:30 . . . Social Hour – *On Your Own at Illume Mediterranean Bistro*

WEDNESDAY JANUARY 27

BREAKOUT SESSIONS

8:30 – 10:00 . . . . CJIS Auditing Process and Service Level Agreements – *Dogwood Room*
Point of Contact: Ms. Cheley Gabriel, BTF Enterprise Operations Division Chief

Building Interoperability through Architecture – *Birch Room*
Point of Contact: Mr. Giovanni DeMonte, BTF Architecture Branch Chief

Interoperability and Information Sharing – *Pine/Magnolia*
Point of Contact: Mr. Tony Demestihas, BTF Policy Branch Chief

Formalizing the Requirements Process for Entry into DoD ABIS – *Juniper Room*
Point of Contact: Mr. Tom D'Agostino, BTF Standards Branch Chief

10:00 – 10:15 . . . Session Break

10:15 – 12:00 . . . *Continuation Session*, CJIS Auditing Process and Service Level Agreements – *Dogwood Room*
Point of Contact: Ms. Cheley Gabriel, BTF Enterprise Operations Division Chief

Continuation Session, Building Interoperability through Architecture – *Birch Room*
Point of Contact: Mr. Giovanni DeMonte, BTF Architecture Branch Chief

Continuation Session, Interoperability and Information Sharing – *Pine/Magnolia Room*
Point of Contact: Mr. Tony Demestihas, BTF Policy Branch Chief

Continuation Session, Formalizing Requirements Process for Entry into DoD ABIS – *Juniper Room*
Point of Contact: Mr. Tom D'Agostino, BTF Standards Branch Chief

Last Tactical Mile/Data Latency – *Duke Energy Building*
Point of Contact: LTC William Buhrow, BTF Deputy Operations Support Division Chief

12:00 – 13:00 . . . Networking Lunch

13:00 – 15:00 . . . Operational Performance Metrics Identification, Collection, Analysis, and Reporting – *Dogwood Room*
Point of Contact: Mr. Russ Wilson, BTF Metrics and Evaluation Branch Chief

Biometrics Training – *Birch Room*
Point of Contact: Mr. Mike Kershner, BTF Military Operations Branch

Biometrics in support of DoD Identity Management – *Pine/Magnolia Room*
Point of Contact: Mr. Tony Demestihas, BTF Policy Branch Chief

Quality Measurement Algorithms – *Juniper Room*
Point of Contact: Mr. Tom D'Agostino, BTF Standards Branch Chief

Continuation Session, Last Tactical Mile/Data Latency – Duke Energy Building
Point of Contact: LTC William Buhrow, BTF Deputy Operations Support Division Chief

15:00 – 15:15 . . . Session Break

15:15 – 17:30 . . . *Continuation Session*, Operational Performance Metrics Identification, Collection, Analysis, and Reporting – *Dogwood Room*
Point of Contact: Mr. Russ Wilson, BTF Metrics and Evaluation Branch Chief

Continuation Session, Biometrics Training – *Birch Room*
Point of Contact: Mr. Mike Kershner, BTF Military Operations Branch

Continuation Session, Biometrics in support of DoD Identity Management and Full Spectrum Biometrics – *Pine/Magnolia Room*
Point of Contact: Mr. Tony Demestihas, BTF Policy Branch Chief

Continuation Session, Quality Measurement Algorithms – *Juniper Room*
Point of Contact: Mr. Tom D'Agostino, BTF Standards Branch Chief

THURSDAY JANUARY 28

PLENARY SESSION — POPLAR/DOGWOOD ROOMS
08:30 – 11:00 . . . Way Ahead Presentations — Includes Question and Answer Period

11:00 – 11:15 . . . Session Break

11:15 – 12:00 . . . Conference Concluding Remarks
Dr. Myra Gray, Director Biometrics Task Force

Session Comments:

ABIS Overview:
Session Overview and Objective: Discuss the DoD Automated Biometric Identification System (ABIS) first year of operations and provide metrics and anecdotes for the world's first truly integrated multi-modal biometric database. Discuss with the biometrics community of interest (COI) success stories and challenges faced with operating and maintaining the DoD's authoritative biometric repository, as we look for ways to enhance our capability and improve our service to the warfighter.

Findings and Insights:
- – Cross Domain Solution
- – Interoperability (seamless data sharing through TRIAD)
- – Terrorist Explosive Device Analytical Center (TEDAC) Latent Prints (internal BTF backwards compatibility)
- – SOCOM web application (use lessons learned for community)
- – Request for contextual (biographical and situational) searches
- – Tailorable data subsets (user defined and web-enabled)
- – Biometric Enabled Intelligence (BEI) Watchlists (automated, figurable, and scalable)
- – Priority processing within ABIS

Progress:
- – Chose top three topics (Cross Domain Solutions (CDS), TRIAD, BEI Watchlist/data subsets)
- – Leverage National Ground Intelligence Center (NGIC) documentation for CDS
- – Collecting ALL documentation to support requirements from COI
- – Captured input from COI on top three as priorities
- – COI wants information on progress of all initiatives
- – Educated community on DOD ABIS capabilities

Way Ahead:
- Use the Biometrics Data Sharing (BDS) COI as venue to update on all forum discussions (16-18 FEB in Arlington, VA)
- Provide status update on CDS (5 FEB)

Afghanistan Current Operations Overview:
This classified informational briefing, with a question and answer period, sought to update participants on current biometrics support in Afghanistan and the effects of the drawdown in Iraq; manpower shortfalls affecting Operation Enduring Freedom (OEF); tactics, techniques, and procedures; and training.
No action items were recorded; however, issues affecting the use of Biometrics in Afghanistan were discussed during the Last Tactical Mile and International Security Assistance Force (ISAF) ABIS Sessions.

Architecture Objectives and Metrics:
Through a facilitated discussion, the group developed a clearer understanding of the requirements and goals for architecture to have a positive impact on the biometrics community. Expected outcomes from the session included a list of objectives, and metrics for monitoring progress against those objectives.

Discussion Points:
Several comments were made concerning the first forum topic, Architecture Objective and Metrics:

- The current presentation of Interoperability is not prescriptive enough. This model may not work well if the activity or mission is unknown.
- There needs to be a time frame for Architecture as-is and to-be
- Develop an enterprise set of activities that system can map to
- Terms need to be reconciled with the Identity Dominance System (IDS and ABIS architecture
- The community would like to reorganize and reword the EA goals in context with Mr. Dee's opening presentation (see keynote address)
- Continue to bring Enterprise Architecture (EA) stakeholders into meetings

Recommendations in regards to Joint Capabilities Integration and Development System (JCIDs) support:

- Provide connectivity or mechanism for exchanging data and leveraging available services
- Looking for feedback from the Biometrics Enterprise Architecture (BEA) community

Recommendations in regards to warfighter support (some concerns over the wording of the 3rd goal)
- Consider deployed architecture on file with the Joint Staff
- Consider common place operations orders, bandwidth, file size, etc
- The operational need has not been clearly defined and therefore it is difficult to build the architecture towards this need. However, the architecture can define why we need biometrics and how we can employ it to support the warfighter.
- Concerns the architecture doesn't represent operational constraints in the architecture (bandwidth and power issues) → Potential solution would be to add Operational Environment as a control in the Architecture.
- The architecture should advertise available Biometric services

Findings from the session included the following:
  – In large part, community agrees to architecture baseline approach
  – There is a need for a common set of terms
  – Using the Joint Common System Function List (6212.01E)
  – Agreement of 3 primary goals for the BEA
    ▪ Interoperability
    ▪ Family of Systems (JCIDS support)
    ▪ Support warfighter/decision-maker
  – Established a plan forward for the To Be EA
  – Defined Interoperability at the EA level
  – Discussed leveraging existing Cross Domain efforts and POCs

Biometrics in DoD Strategic Documents:
The purpose of this working group session was to discuss how the biometrics community can influence the inclusion of biometrics capabilities within DoD strategic documents of similar importance to the Quadrennial Defense Review (QDR). Objectives for the session included determining the appropriate entry points for collaborating and influencing DoD strategic guidance documents and identifying stakeholders in the biometrics community who will "sign-up" to collaborate and represent the equities of the DoD Biometrics Community on the various strategic documents.

Way Ahead:

  – Map Biometrics Enterprise Strategic Plan (BESP) / BESP- Implementation Plan Goals, Objectives, and Actions to the Strategic Documents
  – Identify relevant Intelligence and Interagency Strategic Documents
  – Collaborate with J-5 Joint Strategic Planning Working Group
  – Develop master list of POCs for DoD, Interagency, Intergovernmental Strategic Documents

Biometrics in Support of Identity Management:
Even with the publication of the DoD Identity Management Strategic Plan, broad consensus does not exist on the role of biometrics capabilities within Identity Management. This session discussed the role of biometrics capabilities within the DoD's Identity Management implementation and what policies exist or are needed to fulfill this role. The discussion further sought to identify existing DoD policies that define the relationship of biometrics within Identity Management and the potential future policy gaps that must be addressed to define the role of biometrics in Identity Management.

Findings and Insights:

  – Discussion on the need for a friendly biometrics policy that allows for the collection and storage of biometrics in support of base access, law enforcement and force protection operations.
  – A greater understanding across DoD of the need for friendly biometrics is required.
  – Policy must be written to take into account developments of corresponding initiatives by fellow DoD components, including Under Secretary of Defense for Intelligence (USD(I)).

Next Steps and Timeline:

  – Develop, coordinate and implement a policy that develops the framework for the collection of biometrics from "friendly" DoD and non-DoD personnel
  – Ensure the policy is rolled out in coordination with a strategic communications plan
  – Work with DoD entities/stakeholders to collaborate on the implementation of a friendly policy

Biometrics Training:
There is currently no centralized biometrics training program and little to no education/training for unit staffs and leaders. The purpose of this discussion was to determine near and mid-term objectives, validate BTF developed concepts and frameworks, and look for alternatives to meet the immediate needs of the warfighter.

Findings and Insights:
- Improved training guidance required (CENTCOM)
- More training equipment needed
- Leader and staff training MUST be addressed
- Not all Soldiers need the same training
- Leader's Handbook for Biometrics in Afghanistan from the Center for Army Lessons Learned (CALL) will help fill doctrinal void
- Mobile Training Team (MTT) training efforts need improvement/expansion
- Combat Training Centers (CTCs), First Army needs must be addressed
- Expansion of Army Forces Central Command (ARCENT) Reception, Staging, Onward Movement, and Integration (RSOI) training may not be possible

Next Steps and Timeline:

- Army must designate a proponent for Biometrics
- BTF provided draft training guidance to CENTCOM (Done)
- Asymmetric Warfare Office (AWO) has allocated $1.5M for additional training equipment at 37 locations
- New Systems Training Integration Division (NSTID) has draft now for Leader and Staff Training
- PM Biometrics will review current contract and see what can be done with additional resources (Feb 10)
- Provide Field Service Engineers (FSEs)/trainers for home station training
- Expand efforts at CTCs
- Expand functions of training MTTs
- NSTID is currently working on a better "Biometrics 101"
- Proposed Leader and Staff Training (Biometrics 201) should help to address current issues that reduce effectiveness of MTTs from NSTID (Feb 10)
- Several participants will draft portions of Leader's Handbook for Biometrics in Afghanistan (19 Feb 10); Working draft by mid-March; Goal is late spring publication
- All participants will provide input /material for BTF Training Web Page (Feb 10)
- Joint Forces Command (JFCOM) has offered to host next meeting of Biometrics and Forensic Technology Working Group (BFTWG) in Suffolk, VA (11-13 May)
  - Review draft of CALL handbook at that time
  - Review material on BTF Training Page
  - Review Leader and Staff Training

Building Interoperability through Architecture:
The goal of this session was to improve data sharing and effectiveness across the biometrics community through a facilitated discussion of the requirements, process, compliance assessment, and testing for interoperability from an architectural standpoint. Expected outcomes included a definition for interoperability; a strawman process for assessing compliance for interoperability; and a clear understanding of the testing responsibilities, criteria, and resulting reports.

Several recommendations were discussed in the Building Interoperability through Architecture session:

- The interoperability definition was difficult for non-architects; establishing a clear definition and adopting it throughout the community is important for moving forward
- You must clearly demonstrate that using the system works, which nodes can send and receive information as they were designed to do.
- CENTCOM has some concerns over the different implementation of the Electronic Biometric Transmission Specification (EBTS) using different iris templates.

Way Ahead:

- Provide a Biometrics architecture interoperability process - Plan on rough draft in 6-8 weeks
- Coordinate follow-on meeting to discuss using architecture for operational decision support
- Coordinating a meeting with the Stakeholders on the As-Is and To-Be approach at the EA level
- Meet with PM Biometrics and BTF West Virginia (incl. Joint Interoperability Test Command {JITC} liaison) to discuss Cross Domain next steps; Plan to conduct meeting in next 30 days

CJIS Auditing Process:
This discussion began with a brief overview of the Criminal Justice Information Services (CJIS) audit process, an explanation of the potential audit impacts, and findings from the past ABIS audit. Objectives for the session included defining future audit goals, outlining the activities to prepare for the next audit, and ultimately working toward the development of an implementation plan for future audits of ABIS. This topic also covered Service Level Agreements (SLA), their implementation, and impact on current and future ABIS Users.

Findings and Insights (Key Points):

- Discussed seven findings - Criminal History Record Information (CHRI) data, TOTs, and traceability
- How to mitigate (Service Level Agreements, MOUs, MOAs, limit TOTs)
- What actions have already been implemented - CJIS Security Addendum, Advisory Policy Board (APB) attendance, Transaction Manager Integration (TMi)
- Reinforcement of actions required (education and awareness)
- Audit schedule and performance

Progress:

- Using a biometric to log on to system for traceability
- Advisory Policy Board owns the FBI data

Way ahead:

- Continue to educate community in these types of forums
- Continue to move forward with the remediation plan
- Institutionalize audit process at BTF
- Ensure DOD ABIS audit process incorporates DOD interoperability certification processes

Data Latency:
Session Leaders: LTC Bill Buhrow (BTF); Mr. Christopher E. Stone (PM-Biometrics); MAJ Eric Pavlick (PM-Biometrics)
Session Collaborators: Art Nagey, Brett Downs, Chris Flanders, Larry Campbell, David Ellis, John Totten, Nick Rymer

Findings and Insights:

- – Team believes/has proven that with proper configuration by experts, the existing replication scheme, Discovery Synchronization Services (DSS), will improve operations in Afghanistan.
- – CENTCOM could provide a threshold list of file attachment types needed at each location – yields traffic reduction. Only skeleton DB, portrait, WL should replicate down
- – A Network Application (NETAPP) solution has a maintenance/ops effort
- – Might be able to leverage existing theater NETAPP HW or link optimizers

Next Steps and Timeline:
Phase 1 (2-4 week schedule)

- – PM-Bio will review NetQoS study for adoption
- – CENTCOM will provide replication schema and characterization of data links
- – CENTCOM will provide list of locations where NETAPP or link optimizers are operating (possible piggybacking)
- – Subject Matter Experts (SME) will deploy to Afghanistan to optimize BAT system/topology (SME candidates: Nick Evancich, Brett Downs, Mike Robbins)
- – PM will investigate database sharing between collocated servers
- – AFG should starting using BAT.WEB to access attachments on demand + reduce thin client reliance
- – PM to estimate DSS robustness improvement schedule

Phase 2 (Mid-term, 1-3 Months)

- – PM, Language Technology Office (LTO), CENTCOM, BTF will continue investigating and testing new materiel solutions (NETAPP, link optimizers, SQL Server 2000/2008 + 3rd-pary replication software)
- – CENTCOM will attempt to accelerate/waive 25-200 IA process to get software optimizer testing in AFG; PM will work the 25-200 package in parallel
- – PM to complete server upgrades to Dell 610/710 (possible performance improvement)

Formalizing the Requirements Process for entry into DoD ABIS:
Facilitated discussion with the intent of formalizing standard operating procedures for gaining access to the BTF and to DoD ABIS. The discussion sought to identify current obstacles to progress and then build consensus on a way forward to define and refine SOPs for the DoD Biometrics Enterprise.

Findings and Insights:

- – ABIS Questionnaire could be utilized by current DoD stakeholders as additional tool to track new requirements
- – Completed questionnaires could benefit the process for creating Service Level Agreements (SLA)
- – Future requirements section will be added to allow agency to outline their five and ten year capability objectives
- – More detailed Instructions for the Agency trying to complete the questionnaire are necessary
- – ABIS Introduction Brief needs to include scenarios of military operations and Biometric Collection Techniques

Way Ahead:
- – 5FEB10: Meeting minutes and taskers sent to all participants (BTF/RMB & STB)
- – Next 30 Days: Incorporate comments from this event into the Tool Bundle (ABIS Questionnaire, Transaction Volume, and ABIS Overview) (BTF/Requirements Management Branch, Technical Management Branch, Metrics and Evaluations Branch and PM)

- Next 60 Days: Formally staff the Tool Bundle for approval across the BTF (BTF/ Requirements Management Branch)
- Next 90 Days: Schedule a second meeting with session participants for additional collaboration on the Tool Bundle (BTF/ Requirements Management Branch)

Full Spectrum Biometrics:
There is great focus and concentrated effort on the "red" side of DoD Identity Management Programs, Policies, and Initiatives. However, many issues are also before us regarding "blue" or friendly biometrics in the fields of Identity Authentication, Physical and Logical Access, and business functions throughout DoD. Together, these are considered "Full Spectrum" Biometrics. Through a facilitated discussion, the session provided an overview of IDProTECT, discussed implementation milestones, and documented information requirements for Full Spectrum Biometrics.

Panel Members:

- CAPT John Boyd, Director, Naval Identity Management Capability, Office of the Asst. Secretary of the Navy (Research, Development, and Acquisition)
- Ms Janice Condo, Deputy Director, Personnel Security, USD-I
- Mr Mike Earhart, Contractor Support to USD-I Security Directorate, Physical Security
- Mr Art Friedman, DoD Privilege Management
- Mr Jim Hatcher, Defense Man Power Data Center
- Mr Al Miller, USD-P, Policy Integration

Next Steps and Timeline:

1. Decompose requirements from existing formal requirements documents
   1.1 Identity based documents and derived requirements
2. Document use cases and mission threads for friendly / full spectrum biometrics
   2.1 Existing customers (Recruiting, Homeland Security Presidential Directive-12)
   2.2 Assistant Secretary of the Navy, Research, Development, and Acquisition (ASECNAV RD&A) developed
   2.3 Follow-up w / DHS on use cases
3. Develop and Implement a strategic communications plan for friendly
   3.1 Qualitative / Quantitative Analysis
   3.2 Anecdotes e.g. German employment on DoD bases
4. Evaluate privacy policy in contrast to biometric implementation
   4.1 Actionable vs. Attribute / Personal vs. Private
5. Ensure that biometrics equities are represented in upcoming DoD and Federal Issuances
6. Coordinate IA position and policy with regard to biometric systems with Defense-wide Information Assurance Program (DIAP)
7. Evaluate scope of biometrics - automated recognition of …people, disease, intent?

Interoperability and Information Sharing:
This session discussed interoperability and information sharing from a policy standpoint. Specifically this session focused on determining the appropriate methods for reaching interoperability with interagency and multinational partners, outlining the policy gaps in international biometric data sharing, and determining best practices for reaching agreements with both "intra-" and "inter-" partners.

Panel: Russ Wilson, BTF; Karyn Becker, DHS; Chastity Anderson, FBI

Findings and Insights:
The discussion focused on identifying and alleviating roadblocks that prevent interoperability, including technology gaps and policy impediments, including:

– Limitations of each agencies systems and the ability for IDENT-ABIS to connect
– The DoD-DHS Memorandum of Agreement (MOA) and supporting operational agreements
– Different organizational definitions of interoperability
– Requirements of DoD-DHS entities' information needs
– General lack of information, knowledge and understanding on biometrics and the respective databases

Next Steps:

– Determine operational requirements for IDENT and ABIS customers
– Ensure a single node of communication exists between the agencies.
– NCIS shouldn't contact DHS requesting biometric information. BTF is the conduit.
– General lack of information, knowledge and understanding on biometrics and the respective databases.
– What is available and what do we have access to?
– Taking advantage of full data sharing between IAFIS and IDENT. Use IAFIS as a conduit to its full potential until MOA is agreed to and interoperability is operational.
– DoD components need to become more familiar with interagency partner capabilities (ex: DHS data sets).
– Apply lessons learned from previous sharing agreements and interoperability efforts.

ISAF ABIS:
This discussion and working group met with the intent of socializing the project way ahead, timeline and formalize ISAF ABIS standard operating procedures. Additional discussion centered on formalizing and supporting a long term NATO biometric capability. The discussion also sought to identify current obstacles to progress and then build consensus on a way forward.

Key Participants: Blake Rowe-NGIC, Chris Munn-USD(I), Heather Hall-JIEDDO, William Vickers-USD(I), CWO-5 Arek Malhas-SHAPE

Findings and Insights:

– Identified path to Initial Operating Capability (IOC) and initiated development of a formal Project Plan.
– More accurately scoped data transfer and retention architecture based on intel, contextual, forensic and biometric data.
– Scoped costs to establish rough order of magnitude (ROM) and support the JIEDDO Resources, Requirements & Acquisition Board (JR2AB) and Joint Integrated Project Team (JIPT) Briefs as well as the Acquisition Strategy.

Next Steps and Timeline:

– Complete development of the ISAF ABIS Concept of Operations (CONOPS) (1wk)
– Finalize ROM (2wks)
– Receive JIEDDO concurrence to support ISAF (1mo)
– Finalize project management plan and task appropriate organizations to execute (2wks)
– Identify contract vehicle and draft a Task Order (1wk)
– Initiate ISAF Engagement Strategy (2wks)

- Coordinate/confirm Combined Enterprise Regional Information Exchange (CENTRIX)-ISAF extension to ISAF partners (3mo)

Required Organizational Support:

- BTF/PM to provide priority Acquisition Project support to get to IO
- Army G2 to provide implementation plan and ROM for supporting analytical capability
- USD(P) to provide policy analysis and development support
- USCENTCOM to issue requirements, tasking, and deployment orders to support IOC
- USEUCOM to coordinate NATO capability evolution
- TF Biometrics-Forensics to execute ISAF Engagement Strategy

Last Tactical Mile:
This discussion served as an update on the current status of activities (indicators of progress) undertaken by stakeholders throughout the enterprise with regard to the Last Tactical Mile (LTM) initiatives. Objectives for the session included defining the way ahead and the drafting of a timeline for completion.

Findings and Insights:

- PM has funded CERDEC to assist MITRE in development of solution
- MITRE identified tactical radios as best alternative to provide this connectivity
- Forward BAT data over tactical radio network (EPLRS, PRC 117G) using NORM protocol
- Prototype completed 18 Jan 10

Next Steps and Timeline:
- Pre-field testing scheduled for week of 8 February 2010 (Camp Dawson, WV)
- Field test planned for March 2010 (Ft. Huachuca, AZ)
- PM to coordinate with Department of the Army G-2 on LTM efforts and their planned March testing.

Operational Performance Metrics Identification, Collection, Analysis, and Reporting:
The term "operational performance metrics" is interpreted broadly to include both qualitative and quantitative measures. Given that effective metrics must yield a robust picture for decision-making confidence, shared services performance measures may include maturity scales, standards, checklists, business capability, user experience, etc. Confidence relies on a distributed set of factors, including but not limited to technical factors. Therefore, this white paper includes a range of metrics for technical, operational, security, business, and management factors. An institutionalized effort is needed to identify, collect, analyze, and report operational performance metrics throughout the Biometrics Enterprise.
Session Objectives:
Objective 1: Identify performance criteria, indicators, descriptors, and candidate measures to positively impact the spectrum of end-to-end interoperability.
Objective 2: Identify a governance process to capture and integrate critical information related to performance and metrics (performance metrics are driven by strategy)

Panel Members: Ms Lisa MacDonald (BTF Plans Branch); Ms Kim Woods, and Leanna Efaw (BTF); Brian Abe (JITC); Larry John (Anser); and Dr. David Machuga (Northrop Grumman).

Met Objective 1; provided, discussed, and modified an initial set of performance criteria, indicators, descriptors, and candidate measures

- Provided handout identifying ―Metrics in Terms of Operational Considerations…good starting point but more is needed
- Tasked participants to identify additional measures
- Estimated Completion Date (ECD): 2 Mar 10

Met Objective 2; identified a governance way ahead to capture and integrate critical information related to performance and metrics

- Feed results to existing governance processes
- ECD: 6 Apr 10

Breakthroughs
- Identified way ahead to successfully answer significant issues:
  - Who measures and how?
  - Who uses metrics data and for what?
  - What tools are available?
- Biometric Enterprise Strategic Plan (BESP) not widely known
- Reached consensus to:
  - Consolidate enterprise metric efforts; get it done!
  - Provide feedback mechanism via community dashboard
- (institutional efficiencies and operational effectiveness)
  - Oversee and manage process; metrics collection, analysis, and
- reporting is not a finite effort with an end point
- Various tools identified; just scratched the surface
- Presented seven performance areas and four domains (Organizational, Programmatic, Process, and Technology and Infrastructure)

Quality Measurement Algorithms:
Currently the DoD and US Government (USG) do not use standardized quality measurement algorithms and tools for biometric samples. The goal of this facilitated discussion was to gain consensus on the need to continue developing BTF quality measurement tools and the requirement to field the tools across the DoD and USG.

Findings and Insights:

- Multiple agency inquiries for BTF Biometric Quality Measurement toolsets
- Office of Naval Research (ONR)
- Army Night Vision
- Increased interest in 3-D Facial Recognition Standards development
- Benefits of implementing quality tools are still unclear to stakeholder Community
- Higher matching performance correlated with high quality images
- Improved processing times with appropriate quality thresholds for images
- Quality tools could be used for training to underscore importance to users
- Re-affirmed interest in development of a BTF iris image quality measurement toolset

Way Ahead:
Next 15 Days: Provide update to Army Night Vision on 3-D Facial Recognition Standards (BTF/STB)
Next 30 Days: Distribute quality measurement tools to requesting agencies (BTF/STB)
Next 60 Days: Identify additional requirements for quality tools by coordinating with session participants in a future working group session (BTF/STB)

Forum Attendee List:

2010 COLLABORATION FORUM ATTENDEES

Last Name	First Name	E-mail Address	Organization	Interest In
Abe	Brian	brian.abe@biometrics.dod.mil	JITC (EDSI)	Other
Adair	Theodore	theodore.adair@us.army.mil	BTF	Other
Albers	James	jalbers@l1id.com	L-1	OEF
Aller	Chris	christopher.aller@us.army.mil	FORSCOM G3	Training
Aloi	Sam	sam.aloi@biometrics.dod.mil	Biometrics Task Force	ABIS
Anderson	Chastity	chastity.anderson@leo.gov	FBI CJIS Division	ABIS
Andrews	Michael	michael.andrews1@conus.army.mil	BTF	Other
Augustyn	Joyce	joyce.augustyn@us.army.mil	BTF	Other
Austin	Richard	richard.austin@symbolic.com		
Bailey	Thomas	tommy.bailey@biometrics.dod.mil	Biometrics Task Force	ABIS
Barfield	Rusty	russell.j.barfield@us.army.mil	Program Enterprise Information Systems	Other
Barnhill	Jeannette	jbarnhill@brtrc.com		
Barrett	Diane	diane.barrettlee@us.army.mil	Camber Corporation	Other
Beavers	Stephanie	stephanie.beavers@osd.mil	OSD, HD&ASA	IDProtect
Becker	Karyn	karyn.i.becker@dhs.gov	Department of Homeland Security/US-VISIT Program	
Besco	Michael	michael.besco@navy.mil	SPAWAR -Atlantic	ABIS
Biddick	Dennis	dennis.biddick@navy.mil	Department of Navy (ASN I&E)	Requirements
Biscardi	Janet	janet.ereland@us.army.mil	NSTIO	
Bissing	Allyson	allyson.bissing@dtra.mil	Defense Threat Reduction Agency	Other
Bittenbender	Harrison	h.bittenbender@conus.army.mil	BTF	Requirements
Blakeley	Brian	brian@colorid.com		
Blakely	Jeffrey	jeff.blakely.ctr@osd.pentagon.mil		
Boardman	Jill	jill.boardman.ctr@socom.mil	USSOCOM	Requirements
Boquet	Juan	juan.boquet@dhs.gov	FEMA	IDProtect
Borchardt	Randy	randy.borchardt@osd.pentagon.mil	Defense Manpower Data Center	ABIS
Boyd	John	john.m.boyd@navy.mil	ASN(RDA)	Enterprise Architecture
Boyd	Martin	mboyd@mitre.org	The MITRE Corporation/ONR	Other
Boyd	Heidi	heidi.boyd@osd.pentagon.mil	OUSD P&R/DHRA	IDProtect
Brauner	Scott	scott.brauner@anser.org	Analytic Services, Inc	Other
Brennan	Patrick	patrick.brennan2@conus.army.mil	HQDA G-3/5/7	Training
Brown	Karen	karen.brown@biometrics.dod.mil	Biometrics Task Force	
Browning-Callen	Kathryn	kcallen@mepcom.army.mil	HQ USMEPCOM	Requirements

Buckner	Randy	randy.buckner@biometrics.dod.mil	Biometrics Task Force	ABIS
Buhrow	William	william.c.buhrow@us.army.mil	BTF	OEF
Burks	Kathy	burks_kathy@bah.com	BAH	
Burrow	Adolphus	burrowa@infosec.navy.mil		
Byrd	Kenneth	kenneth.byrd3@us.army.mil	US Army, Night Vision and Electronic Sensors Directorate	IDProtect
Byrne	John	john.byrne@jieddo.dod.mil	JIEDDO	OEF
Caddell	Jeffrey	jeffrey.caddell@us.army.mil	Army OGC	Other
Callaghan	Thomas	thomas.callaghan@ic.fbi.gov	FBI Sci & Tech Branch	
Calloway	Phyllis	phyllis.calloway@us.army.mil	PM Biometrics PD BECC	ABIS
Campbell	Larry	lcampbell@oberonassociates.com	Oberon	Requirements
Caplette	Amber	caplette.amber@bah.com	FORSCOM	
Carper	Eric	eric@carper.us	NGIC (Pragmatics)	Other
Castleman	Erin	erin.castleman.ctr@navy.mil	NORTHCOM/SECNAV	
Chedister	Brad	bradley.chedister@usog.jacobs.com	SOCOM	Other
Christensen	John	john.d.christensen@ngc.com	Northrop Grumman	Enterprise Architecture
Clancey	Patrick	patrick.clancey@conus.army.mil	Biometrics Task Force	Other
Cockfield	Mark	mark.cockfield@biometrics.dod.mil	BTF	
Cole	Ramsay	mcartwright@hoyosgroup.com	Global Rainmakers	
Collins	Timothy	timothy.j.collins2.ctr@navy.mil	Navy CAC PMO	IDProtect
Comer	Randy	randy.comer@anser.org		Other
Condo	Janice	janice.condo@osd.mil	USDI	Standards
Congdon	Quintin	quintin.congdon@us.army.mil	US Army NGIC	ABIS
Conner	Cathy	caconner@comcast.net	ANSER Team	
Connolly	Wally	wally.connolly@us.army.mil	Army G-2	OEF
Consaul	Sheila	consauls@conus.army.mil	BTF	Other
Coopersmith	Josh	josh.coopersmith@conus.army.mil	BTF	ABIS
Cox	Phillip	phillip.cox@us.army.mil	PI ICDT, TRADOC	Requirements
Craig	Constant "CP"	constant.craig@us.army.mil	PI ICDT	Requirements
Crosby	Ken	kenneth.crosby@js.pentagon.mil	Joint Staff J-8 PAD	Requirements
Crum	H. Ellis	ellis.crum@us.army.mil	HQ TRADOC, G-7 Advanced Concepts	
Daniels	Ted	ted.daniels@mepcom.army.mil	HQ USMEPCOM	
Davis	Rose Marie	rosemarie.davis@dhs.gov	DHS/US-VISIT	Requirements
Day	James	james.day@osd.mil	OSD/AT&L/DDR&E	

2010 COLLABORATION FORUM ATTENDEES

Dee	Thomas	thomas.dee@osd.mil	OUSD AT&L	
Demestihas	Anthony	cptdem03@yahoo.com	Policy Branch	Other
DeMonte	Giovanni	giovanni.demonte@us.army.mil		
Dent	Magruder	mdent@aware.com	Aware, Inc.	Enterprise Architecture
Devera	Dennis	demosthenes.devera@disa.mil		Standards
DeWolfe	Sam	samuel.dewolfe@us.army.mil	BTF	
DiCicco	Ralph	ralph.dicicco@bta.mil	Business Transformation Agency	Other
Downing	Travis	downingt@eucom.mil	HQ EUCOM	Requirements
Downs	Brett	brett.c.downs@mi.army.mil	66 MI	Other
Doyle	Susan	doyle_susan@bah.com	Booz Allen Hamilton	
Dunn	Jeffrey	jsdunn@alpha.ncsc.mil	National Security Agency	Enterprise Architecture
Earhart	Michael	michael.earhart.ctr@osd.mil	USDI	ABIS
Economou	George	george.t.economou@dhs.gov	DHS:USVISIT	ABIS
Efaw	Leanna	leanna.efaw@us.army.mil	BTF Metrics and Evaluation Branch (MEB)	Other
Eggleston	Ruth	ruth.eggleston@symbolic.com	Symbolic Systems, Inc.	Enterprise Architecture
Elliott	Shawn	shawn.elliott@biometrics.dod.mil	BTF-BFB (STOPSO)	Requirements
Ellis	David	david.paul.ellis@us.army.mil	Fort Huachuca, Capabilities Development and Integration, Language and Technology Office	Enterprise Architecture
Enriquez	Leah	enriquezl@tswg.gov		Requirements
Escatel	Patti	pescatel@brtrc.com	BRTRC	
Esposito	Renee	esposito_renee@bah.com	Booz Allen Hamilton	ABIS
Evanoff	Mike	mike.evanoff@mantech.com	ManTech	
Failla	Tano	tfailla@misource.net	MISource	Other
Fang	Cheryl	fang_cheryl@bah.com	Booz Allen Hamilton	
Fenton	James	james.fenton@us.army.mil	ODCS, G-2	
Fielding	Kenneth	kenneth.fielding@bta.mil	Business Transformation Agency (BTA)	Standards
Fitz	Michael	michael.fitz@socom.mil	USSOCOM	Other
Flanders	Chris	flandece@centcom.mil	CENTCOM J2 Systems	Enterprise Architecture
Flannery	Scott	scott.flannery@us.army.mil		
Fox	Gary	gary.l.fox@arcent.army.mil	ARCENT	IDProtect
Francis	Joseph	jfrancis@cortek.com	Cortek, Inc. (PSEAG)	Enterprise Architecture
Friedman	Arthur	arfried@nsa.gov	NSA	Requirements
Fuller	Scott	scott.fuller@us.army.mil	BFT	Other

Gabriel	Cheley	cheley.gabriel@biometrics.dod.mil	Biometrics Task Force	ABIS
Galvin	Doyle	doyle.galvin@us.army.mil	BTF	Other
Gantt	Kenneth	kenneth.gantt@us.army.mil	BTF	OEF
Giles	Gina	gina.giles@us.army.mil	BTF/AF LNO	IDProtect
Gill	Rick	rgill@bridgesgrp.com	NBSP	Training
Gioeni	Lora	lora.gioeni@ic.fbi.gov	FBI	
Golden	Warren	warren.golden@osd.pentagon.mil	OSD P&R IM	Other
Graczyk	John	graczyk_john@bah.com	USNORTHERN Command/J34	IDProtect
Gray	Myra	director@biometrics.dod.mil	Biometrics Task Force	
Gregg	Joseph	joseph.gregg@biometrics.dod.mil	BTF	
Griffith	Martin	martin.griffith1@us.army.mil	HQs Dept. of the Army	
Guller	David	mcartwright@hoyosgroup.com	Bank of America	
Hall	Heather	heather.hall@jieddo.dod.mil	JIEDDO	Enterprise Architecture
Hall	Nick	kevin.n.hall.ctr@navy.mil	US Navy (OPNAV)	Requirements
Halloran	Patrick	patrick.halloran@js.pentagon.mil	Protection Assessment Division in Joint Staff J8	
Harmell	Mitchell	mitchell.harmell@dhs.gov	US Border Patrol	ABIS
Hatcher	James	jim.hatcher@osd.pentagon.mil	DMDC	Other
Hayes	Jeff	jhayes@aware.com	Aware Inc.	
Helin	Scott	scott.helin.ctr@centcom.mil	CENTCOM	Other
Heuring	Terry	theuring@ida.org	IDA	OEF
Hickel	Clarisa	clarisa.hickel@dhs.gov	DHS/US-VISIT	ABIS
Hickok	Glenn	glenn.hickok@crossmatch.com		
Higgins	Michael	higginsm@mitre.org	MITRE Corporation	OEF
Hiligh	Timothy	timothy.hiligh@us.army.mil	NETCOM OIA&C CAC/PKI	Other
Holden	Philip	mcartwright@hoyosgroup.com	GRI	
Holmes	Ashley	holmes_ashley@bah.com	SAF/XC	Enterprise Architecture
Hoversholm	Erick	erick.hoversholm@us.army.mil	HQ's, United States Army Recruiting Command, G5, Strategic Planning and Transformation Directorate	Enterprise Architecture
Howard	Brad	bradley.howard@navy.mil	SPAWAR Charleston	ABIS
Hunt	Brian	brian.hunt@dod.biometrics.mil	DoD BTF	IDProtect
Hutchinson	Benji	jbhutchinson@gmail.com	BTF	Standards
Hutzky	Paul	paul.hutzky@mi.army.mil	66th Military Intelligence Brigade	Other
HYERS	PETER	peter.hyers@navy.mil	SPAWAR -ATLANTIC	OEF

2010 COLLABORATION FORUM ATTENDEES

Imbach	Thomas	thomas.imbach@dhs.gov	DHS/US-VISIT	ABIS
Isaacson	Avram	avram.isaacson@us.army.mil	INSCOM	OEF
Isola	Steven	steven.isola@us.army.mil	USAICoe Doctrine	Training
Jacaruso	Natalie	natalie.jacaruso@us.army.mil		
Jackson	Scott	rjackson@mitre.org	US-VISIT	Other
Jackson	Jerry	jerry.jackson@nisc-llc.com	NISC	
Jaks	Roland	roland.jaks@mepcom.army.mil	USMEPCOM	Enterprise Architecture
James	Dennis	dennis.james2@conus.army.mil	Biometrics Task Force	Other
Janczyk	Joe	joseph.janczyk@conus.army.mil		Other
Jenkins	Samuel	sam.jenkins@osd.mil	Defense Privacy Office	Other
Jennings	Theodore	theodore.jennings@us.army.mil	PM Dod Biometrics	Standards
John	Larry	larry.john@anser.org	ANSER	Enterprise Architecture
Johnson	Jennifer	jennifer.johnson32@us.army.mil	BTF	Requirements
Johnson	Gregory	gregory.johnson3@conus.army.mil	BTF	Other
Jones	Jeffrey	jeffrey.r.jones2@navy.mil	Department of Navy	Requirements
Joseph	Kafi	kafi.joseph@conus.army.mil	Biometrics Task Force (BTF)	Other
Jutras	Pierre	pierre.jutras@js.pentagon.mil	CJCS J8	Requirements
Kasaaian	Joy	joyk@biometricgroup.com	IBG	
Kershner	Michael	michael.kershner@conus.army.mil	DoD Biometrics Task Force	Training
Kim	Ki	ki.h.kim@arcent.army.mil		OEF
Klein	Ellen	ellen.klein@osd.mil		
Knezevic	Dan	daniel.knezevic@us.army.mil		
Koford	Kyle	kyle.a.koford@uscg.mil	USCG	
Kornwebel	Norma	norma.kornwebel@symbolic.com	Biometrics Data Team - Symbolic Systems	Enterprise Architecture
Kourtz	Gregory	g.kourtz@daptech.com	DAP Technologies	Other
Kuderna	Jeff	jeff.kuderna@us.army.mil	CERDEC - I2WD	Enterprise Architecture
Lance	Carl	carl.lance.ctr@pentagon.af.mil	SAF/XCIT	Other
Langworthy	Peter	peter.langworthy@ngc.com	Northrop Grumman	ABIS
Lazarevich	Aleksandar	aleksandar.lazarevich@us.army.mil	DoD Biometrics PMO	Other
Leas	richard	richard.leas@ic.fbi.gov	TEDAC/FBI/Orau	ABIS
LeBlanc	Jeff	mcartwright@hoyosgroup.com	Bank of America	
Leiman	James	james.k.leiman@uscg.mil	USCG Intelligence	
LeMaster	Chris	christopher.lemaster@us.army.mil	BTF	

Lenox	John	john.lenox@navy.mil	OPNAV	Requirements
Likens	Brian	brian.likens@us.army.mil	PM DoD Biometrics	ABIS
Luttman	Jennifer	jennifer.luttman@ic.fbi.gov	FBI Laboratory	
Lynn	Elliott	elliott.lynn@us.army.mil	CECOM SEC	
MacDonald	Lisa	lisa.macdonald@conus.army.mil		
Machuga	David	david.machuga@ngc.com	Northrop Grumman	
Malhas	Arke	arek.malhas@shape.nato.int	NATO	
Manzo	John	john.manzo@ic.fbi.gov	FBI	
Martinez	Jesse	jesse.martinez@idealinnovations.com	PACOM	ABIS
Mastromichalis	George	george.mastromichalis@us.army.mil		
Matthews	Scott	scott.matthews@idealin	EUCOM	Training
McCurdy	Leslie	leslie.mccurdy@ic.fbi.gov	Federal Bureau of Investigation	
McKinney	Lloyd	lloyd.mckinney@mepcom.army.mil	USMEPCOM	
McNamara	Dan	mcnamadj@centcom.mil	USCENTCOM	
Meister	Maud	mmeister@biometricgroup.com	International Biometric Group	ABIS
Meyerhoff	Tim	meyerhoff@irisid.com	LG Iris - Iris ID	IDProtect
Miller	Marie	marie.miller.ctr@northcom.mil	USNORTHCOM	Requirements
Miller	Al	albert.miller.ctr@osd.mil	DoD Policy	Enterprise Architecture
Miller	Jeffrey	jeffreye.miller@anser.org	Analytic Services ANSER	Training
Miller	Gary	mcartwright@hoyosgroup.com	Bank of America	
Missler	Mike	james.m.missler@navy.mil	NCIS	Enterprise Architecture
Mitchell	Larry	larry.joe.mitchell1@us.army.mil		
Montgomery	Alexander	alexander.montgomery@us.army.mil	Biometric Task Force	Standards
Montgomery	Joseph	joseph.r.montgomery@us.amy.mil	AIMD - COE Intel Ft. Huachuca	Enterprise Architecture
Montgomery	Michael	michael.montgomery.ctr@centcom.mil	CENTCOM	OEF
Morlock	John	john.morlock@us.army.mil	AIMD AIC lead Fort Huachuca	Enterprise Architecture
Morris	Kevin	kevin.e.morris@navy.mil	HQMC PP&O IdOps	OEF
Morris	Hank	henry.morris.ctr@osd.mil	OASD/NII/CIO	Other
Moyer	Mark	mark.moyer@us.army.mil	INSCOM	Other
Munn	Christopher	chris.munn@osd.mil	USD(I)	OEF
Musselman	Cynthia	cynthia.l.musselman@us.army.mil	BTF BFBr	Other
Nagy	Art	anagy@itsfac.com	MARCORSYSCOM	
Nakasone	Burt	burt.naksone@navy.mil	NCIS	Enterprise Architecture

2010 COLLABORATION FORUM ATTENDEES

Nanavati	Samir	snanavati@biometricgroup.com	International Biometric Group	Enterprise Architecture
Nerstad	Gwendolyn	gwendolyn.nerstad@biometrics.dod.mil	Biometrics Task Force	Training
O'Hagen	Michael	mcartwright@hoyosgroup.com		
Oleszewski	Thomas	oleszewski_tom@bah.com	Booz Allen Hamilton	ABIS
O'Neill	Timothy	timothy.oneill.ctr@socom.mil	HQ US SOCOM	Other
Orozco	Oscar	oscar.orozco@idealinnovations.com	SOUTHCOM	
Ortscheid	Tim	timothy@colorid.com	ColorID, LLC	
Osti	Andrew	andrew.osti@socom.mil	USSOCOM	
Ostrowski	Dale	dale.ostrowski@mepcom.army.mil	USMEPCOM	
Ott	Greg	greg.ott@sycamore.us	Sycamore.US, Inc.	
Pagano	Bruce	brucelp@ucia.gov	USG	Other
Pannone	Adam	adam.c.pannone@us.army.mil	BTF Architecture Branch	Enterprise Architecture
Pavlick	Eric	eric.pavlick@us.army.mil	PM DoD Biometrics	
Peeples	David	david.peeples@iceware.com	Intellisoft, Inc.	Training
Perez	Carlos	perezc@centcom.mil	USCENTCOM J2	Requirements
Perry	Raymond	raymond.d.perry@us.army.mil	BTF Security Manager	Other
Phillips	William	william.phillipsii@conus.army.mil	Biometrics Task Force	Other
Ponzio	Frank	frank.ponzio@symbolic.com	symbolic systems inc	Enterprise Architecture
Poston	Laura	lhposton@gmail.com	PM DoD Biometrics	Requirements
Powell	Jeremy	jeremy.powell@usmc.mil	HQMC Plans, Policies, and Operations	OEF
Priddis	Michelle	michelle.priddis@mepcom.army.mil	USMEPCOM	Requirements
Ratzman	Zachary	zachary.m.ratzman@dhs.gov	US Dept of Homeland Security	Other
Rautanen	William	william.rautanenjr@conus.army.mil	ITRADS-BAH	Training
Ray	Vicki	vicki.j.ray@dhs.gov	US Department of Homeland Security	Other
Reichard	Michael	michael.reichard.ctr@jfcom.mil	JFCOM J7	Requirements
Reno	Andrew	andrew.reno@conus.army.mil	OPMG	OEF
Resnick	Michael	mresnick@nsc.eop.gov	White House	Enterprise Architecture
Rodriguez	Tamara	tamara.rodriguez@conus.army.mil	USAICoE	Requirements
Roehr	Roger	roger.roehr.ctr@pfpa.mil	Pentagon Force Protection Agency / PIO	IDProtect
Rohde	Aleksandra	aleksjag@aol.com	Biometrics Task Force	
Rose	Sarah	sarah.rose@pentagon.af.mil	SAF/XC	Enterprise Architecture
Rossi	Randy	randy.rossi@us.army.mil	Asymmetric Warfare Group	
Rowe	Blake	blake.rowe@mi.army.mil	NGIC	

Rymer	Nicholas	nrymer@mitre.org		
Sands	Daniel	daniel.sands.ctr@centcom.mil	USCENTCOM J2 Biometrics	Requirements
Schaedel	Tyson	lisa.m.cifuentes@us.army.mil		
Schultz	Jean	jean.schultz@eandmtech.com	DMDC	Other
Schulze	Ray	raymond.schulze@us.army.mil	U.S. Army, CERDEC	
Seubert	Heather	heather.seubert@ic.fbi.gov	FBI	Training
Sexton	Eileen	esexton@iwsinc.com	ImageWare Systems\Biometrics	ABIS
Shafer	Nathan	shafernr@centcom.mil	CENTCOM	Other
Shaffer	Christopher	chris.p.shaffer@mi.army.mil	513th MI BDE	OEF
Shaffer	Christopher	chris.a.shaffer@mi.army.mil	523th Military Intelligence Brigade	
Shelton	Robert	robert.m.shelton1@mi.army.mil	NGIC	Training
Simon	Kedron	kedron.simon@crossmatch.com		
Smith	Gary	timothy@colorid.com	ColorID, LLC	
Soltis	Greg	greg.soltis@ic.fbi.gov	FBI Laboratory Division	ABIS
Spaun	Nicole	nicole.spaun@ic.fbi.gov	FBI	Training
Stallsmith	David	david@colorid.com	ColorID, LLC	
Stampley	Lori	lori.stampley@dhs.gov	Department of Homeland Security, Office of Policy, Screening Coordination Office	Other
Stanton	Brian	brian.stanton@nist.gov	NIST	Requirements
Steele	Delvicciho	delvicciho.steele@dia.mil	Defense Intelligence Agency	Other
Stewart	Dianne	dianne.m.stewart@mi.army.mil		Requirements
Stewart	Johnny	johnny.stewart1@conus.army.mil	FORSCOM G-3/5/7	Training
Stone	Christopher	chris.e.stone@us.army.mil	PEO EIS / PM Biometrics	Enterprise Architecture
Suggs	Winston	winston.suggs@gmail.com		Requirements
Sullivan	Steve	steven.sullivan@dhs.gov	U.S. Border Patrol	ABIS
Swan	Lisa	lisa.k.swan@us.army.mil		
Swann	Brandon	bswann@restarea.ncsc.mil	NSA	Other
Swartzwelder	Ronald	rlswart2000@yahoo.com	NSA	OEF
Swendsen	Mary Ann	maryann.c.swendsen@uscg.mil	EPIC/U.S. COAST GUARD	ABIS
Swingle	Nicholas	swingle_nicholas@bah.com	BTF ARB	Enterprise Architecture
Taylor	Steven	steve.s.taylor@us.army.mil	BTF	
Terrell	Bryony	bryony.terrell@conus.army.mil	Biometrics task Force	
Theofanos	Mary	maryt@nist.gov	NIST	

2010 COLLABORATION FORUM ATTENDEES

Thomas	Robert	r.l.thomas@mi.army.mil	66th MI BDE	Other
Thomas	MaryJo	maryjo.thomas@ic.fbi.gov		
Thompson	Christopher	christopher.thompson@africom.mil	AFRICOM	Other
Tindall	John	jtindall@mitre.org	DHS/US-VISIT	Requirements
Toevs	Kevin	kevin.toevs@navy.mil	Naval Criminal Investigative Service (NCIS)	Other
Totten	John	tottenjm@centcom.mil	CENTCOM	Requirements
Tyler	David	dtyler@oberonassociates.com	Stanley - Oberon Division	Training
Tyler	David	dtyler@oberonassociates.com	PM Bio-TBS	
Ulrich	Scott	scott.ulrich@lackland.af.mil	Air Force	
VanCuren	Jeffrey	jeffery.vancuren@us.army.mil	ASA(ALT)	Requirements
Vanderford	Jay	jay.w.vanderford@us.army.mil	Army Center Of Excellence	
Vemury	Arun	arun.vemury@dhs.gov	DHS	
Vickers	William	william.vickers.ctr@osd.mil	OSD/USD(I)/TCA	Enterprise Architecture
Vorder Bruegge	Richard	richard.vorderbruegge@ic.fbi.gov	FBI	
Watts	Curtis	curtis@e-stops.com	Strategic Opeartions	
Weaver	Elizabeth	eweaver@us.army.mil	Biometrics Task Force	Other
Wells	Denise	wells_denise@bah.com	BAH	
White	Craig	craig.white@us.army.mil	Biometrics Task Force	Requirements
Williams	Kelly	kelly.h.williams@navy.mil	SPAWAR Atlantic	
Wilson	Russ	russ.wilson@biometrics.dod.mil	BTF	Other
Wilson	Valerie	valerie.wilson@biometrics.dod.mil	Biometrics Task Force	ABIS
Wilt	Robert	rl99@comcast.net	US GOV'T	Other
Woods	Kevin	kevin.b.woods@us.army.mil	BTF	Enterprise Architecture
Woods	Kimberly	kim.woods@biometrics.dod.mil	BTF/MEB Contract Support	Other
Wright	Michael	michael.j.wright@conus.army.mil	BTF Mil Ops Branch	OEF
Yen	Bob	bob.c.yen@us.army.mil	BTF - Standards Branch	Standards
Yokley	Charles	yokley@mitre.org	The MITRE Corp.	Enterprise Architecture
York	Bryan	york_bryan@bah.com	66th MI BDE	Other
Zektser	Gregory	zektser_gregory@bah.com	U.S. Army Biometrics Task Force	Standards
Zimmerman	William	william.h.zimmerman@us.army.mil	BTF	

Acronym List:

ABIS: Automated Biometric Identification System (ABIS - D: ABIS - DNA)

AFDIL: Armed Forces DNA Identification Laboratory

AFG: Afghanistan

AFIP: Armed Forces Institute of Pathology

APB: Advisory Policy Board

AOGC: Army Office General Counsel

ARCENT: Army Forces Central Command

ASECNAV (RD&A): Assistant Secretary of the Navy, Research, Development, and Acquisition

AWO: Asymmetric Warfare Office

BDS: Biometrics Data Sharing

BEA: Biometrics Enterprise Architecture

BEC: Biometric Enabling Capability

BEI: Biometrics Enabled Intelligence

BESP: Biometrics Enterprise Strategic Plan

BFTWG: Biometrics and Forensics Technology Working Group

BIARS: Biometric Intelligence Analysis Report

BTF: Biometrics Task Force

CBP: Customs Border Patrol

CDS: Cross Domain Solutions

CENTRIX: Combined Enterprise Regional Information Exchange

CENTCOM: Central Command

CEXC: Combined Explosive Exploitation Cell

CHRI: Criminal History Record Information

CID: Criminal Investigation Division

CJIS: Criminal Justice Information Services

CODIS: Combined DNA Index System (DNA Software)

COI: Community of Interest

CTC: Combat Training Center

DDR&E: Director of Defense Research & Engineering

DIA: Defense Intelligence Agency

DIAP: Defense-wide Information Assurance Program

DNI: Director of National Intelligence

DO: Detainee Operations

DSS: Discovery Synchronization Services

EA: Executive Agent or Enterprise Architecture

EBTS: Electronic Biometric Transmission Specification

EUCOM: European Command

FOA: Field Operating Agency

FSE: Field Service Engineers

IAFIS: Integrated Automated Fingerprint Identification System

IDENT: DHS Automated Biometric Identification System

IDS: Identity Dominance System

IED: Improvised Explosive Device

IOC: Initial Operating Capability

ISAF: International Security Assistance Force

JCIDS: Joint Capabilities Integration and Development System

JEFF: Joint Expeditionary Forensic Facility

JIEDDO: Joint Improvised Explosive Device Defeat Organization

JIPT: Joint Integrated Project Team

JITC: Joint Interoperability Test Command

JFCOM: Joint Forces Command

JR2AB: JIEDDO Resources, Requirements & Acquisition Board

JSOC: Joint Special Operations Command

JPI: Joint Personnel Identification

LISA: Laboratory Information Systems Application (DNA Software)

LTM: Last Tactical Mile

LTO: Language Technology Office

NCIS: Naval Criminal Investigative Services

NetQoS: A contractor company

NGIC: National Ground Intelligence Center

NSTID: New Systems Training Integration Division

OEF: Operation Enduring Freedom

OGA: Other Government Agencies

OIAA: Office of International and Academic AffairS

ONR: Office of Naval Research

OPMG: Office of the Provost Marshal General

OSD (P): Office of the Secretary of Defense, Policy

QDR: Quadrennial Defense Review

RPAT: Redistribution Property Accountability Team

RFDD: Red Force DNA Database

ROM: Rough Order of Magnitude

RSOI: Reception, Staging, Onward Movement, and Integration

SHAPE: Supreme Headquarters Allied Powers Europe

SLA: Service Level Agreement

SME: Subject Matter Expert

SOCOM: Special Operations Command

SOF: Special Operations Forces

SSE: Sensitive Site Exploitation

SRG: Senior Review Group

STR: Short Tandem Repeat

T-ABIS: Theater Automated Biometrics Identification System

TEDAC: Terrorist Explosive Device Analytical Center

TMi: Transaction Manager Integration

TRIAD: DoD term used to depict the future interoperability between IAFIS (DOJ), ABIS (DoD), and IDENT (DHS)

USACIL: United States Army Criminal Investigative Laboratory

USD(I): Under Secretary of Defense for Intelligence

USD(P): Under Secretary of Defense for Policy

WL: Watch List