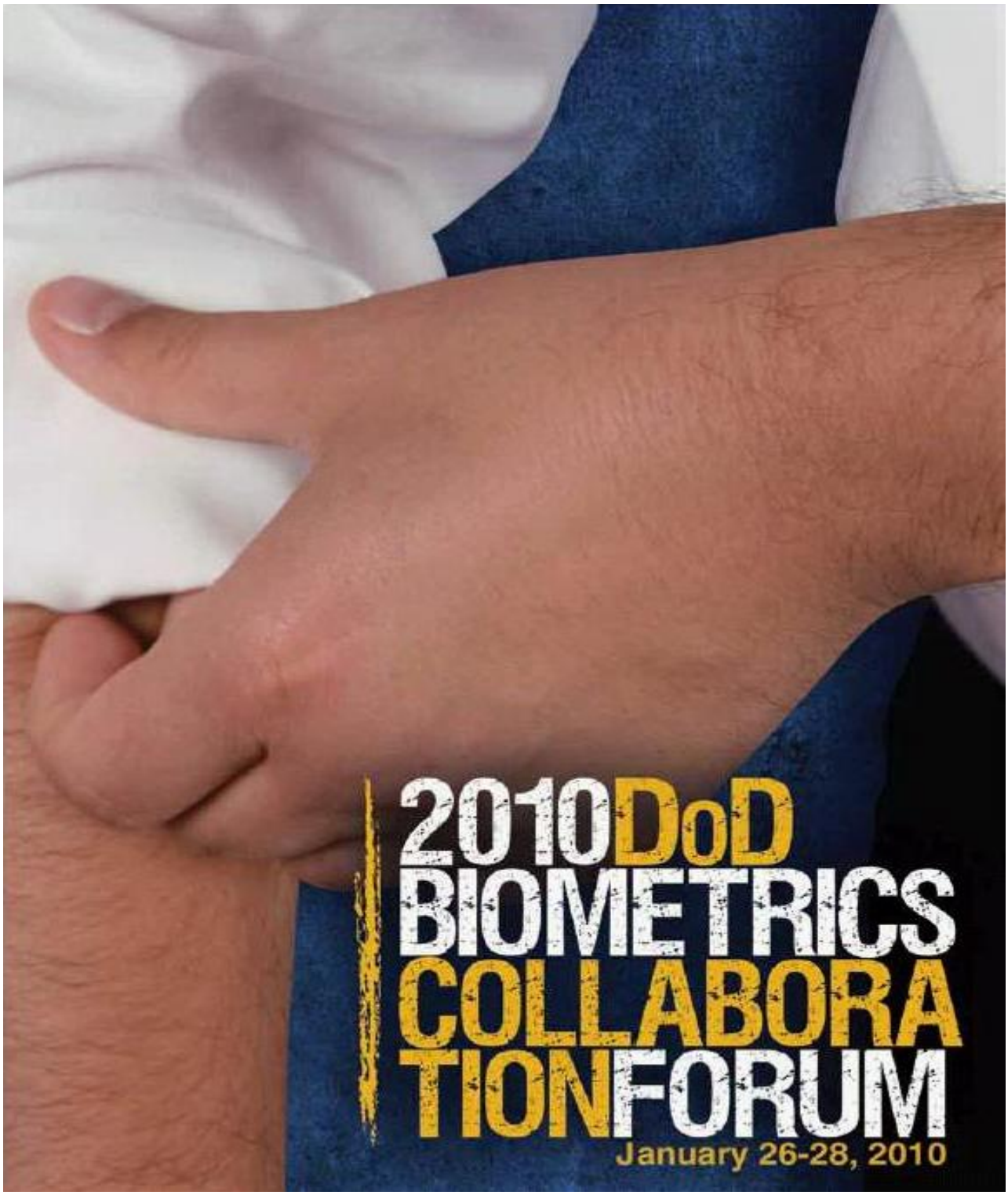

Forum Report
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BIOMETRICS
TASK FORCE

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
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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