

2011 DoD BIOMETRICS COLLABORA TION FORUM

Topic Closeout
Plenary Session

27 January 2011

UNCLASS



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IDENTITY
MANAGEMENT
AGENCY

2011 DoD BIOMETRICS COLLABORATION FORUM

Schedule

Time	Topic	Briefer
0900-0905	Introduction	Joyce Augustyn
0905-0915	DoD Biometrics Enterprise Architecture	Giovanni Demonte
0915-0925	Biometrics on the Border	Bill Vickers
0925-0935	International Biometrics Data Sharing	Tony Demestihis
0935-0945	Biometrics Training Update & Capstone Training Strategy	Lt Col Pratt Mike Kershner
0945-0955	DoD ABIS & Operational Metrics Capability	Sam Aloï Russ Wilson
0955-1005	DoD Biometrics CONOPs	Bill Phillips
1005-1015	DoD Stakeholder Requirements	Harrison Bittenbender
1015-1025	DoD Friendly Biometrics	Brian Hunt
1025-1035	NATO STANAG	Tom D'Agostino Benji Hutchinson
1035-1045	Biometrics Enabled Watch List (BEWL)	Matt Young
1045-1055	DoD Identity Resolution Collection Management	Avi Isaacson

**Biometrics Enterprise
Architecture**

**Giovanni Demonte
Architecture Branch
Chief**

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Session Overview

Session Leads

- Giovanni Demonte – Architecture Branch Chief
- LTC Kevin Woods – Architecture Deputy Branch Chief
- Vanitha Khetan - Architecture team
- Adam Pannone – Architecture team
- Sarah Rose – Architecture team

Objectives

- Discover, connect and align to other Biometric Architectures within the DoD, Federal Agencies and other relevant partners

Issues

- Classified database
- Friendly Biometrics
- Cross-Domain

Discussion Points

- Improving coordination between standards, requirements and architecture
- Describing the needs of future Architecture development
- Community consensus for a Governance-driven model within DoD
- How to address OPSEC and Information Assurance within the Enterprise
- Findings and Insights
 - There exists a need for a high-side Enterprise Architecture
 - Lack of community consensus on existing data-sharing efforts
 - There exists a need for improved Biometrics with Personal Recovery Operations
- Recommendations
 - Expand Enterprise Architecture efforts for Friendly Biometrics
 - Improving Policy to Architecture linkage
 - Identify requirements for a Classified Enterprise Architecture

Next Steps and Timeline

- Next Steps
 - Working Group Meetings
 - Increased the stakeholder involvements for Quarterly meetings (Every 90 Days)
 - Product development
 - Component Architecture feedback (30-90 Days)
 - Replacing DBEKs – having a sharing locations for continued efforts (90 Days*)
 - Action Items
 - Updating the As-Is Architecture with CENTCOM and SOCOM assistance (Content vetting) (60 Days)
 - Supporting new Biometrics Architecture efforts in Coast Guard and Border Operations (30-90 Days)
 - Updating Biometrics Glossary (30 Days)

**Biometrics on the
Border**

Bill Vickers

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Session Overview

Session Leads

- Mr. William Vickers, OUSD(I)/TCA
- Mr. Antonio Trindade, Associate Chief Border Patrol
- LTC Joe Lopez, USNORTHCOM

Objectives / Issues

This session leveraged lessons learned from operational areas and applied them to current border security issues, examining the political, social, technology, operations and data movement and analysis to provide a practical collaborative solution.

Topic Summary

- Discussion Points
 - The DoD has broad experience in using biometrics and other sensors to contribute to secure borders, Ports of Entry and cities. The DoD Biometrics community including BIMA, OSD-P, and SOCOM has previously partnered with DHS and CBP to look at how biometrics can enhance border security.

- Day one:
 - A) Highlighted the seriousness of the Southwest border problem set along with briefs of previous and ongoing programs.
 - B) Discussed pilots and articulated the need for a limited operational demonstration of current technology to gather metrics and lessons learned to determine scope of problem to determine requirements.

- Day two:
 - A) Presents a conceptual architecture and two scenarios
 - Fixed site – with supporting infrastructure
 - Austere/remote area – lack of infrastructure
 - B) Discussed business rules within DoD and interagency partners.
 - C) Discussed technology transfer from DoD to CBP

- Findings and Insights
 - Concurrence of Operational Objectives
 - Challenges with interagency coordination
 - Clearly defining baseline and understanding of the DoD perspective/objectives
 - Incremental expansion of existing technology baseline and concepts
 - Maintaining strong coalitions and resource commitments
 - Senior leadership buy-in

Next Steps and Timeline

- Next Steps/Recommendation
 - Meet/coordinate with Stakeholders
 - Draft timeline
 - Identify authorities
 - Identify legal review
 - Develop CONOP
 - Identify Resource Requirements
 - Present to leadership/leadership buy-in
 - Execute Operation/Tech Demo
- Timeline
 - Phased Approach for the two scenarios
 - Long term timeline based on outcomes of operation/demonstration

International
Biometric Data
Sharing

Tony Demestihias

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Session Overview

- Session Leads
 - Tony Demestihias, BIMA Policy Branch Chief
 - Mark Singer, BIMA Policy Branch
- Objectives / Issues
 - Provide an overview of current international biometric data sharing efforts
 - Provide authorities for the collection and sharing of biometric data
 - Enterprise efforts to increase the efficiency and pace of concluding biometric data sharing agreements
 - Executive Agent role in regards to international biometric data sharing agreements

Topic Summary

- Discussion Points
 - Technical feasibility of international biometric data sharing
 - Current status of caveat development
 - International biometric data sharing agreement considerations
 - Potential expanded capabilities
 - Policy and organizational impediments to international biometric data sharing efforts
- Findings and Insights
 - Need for a single point of contact for COCOM engagement
 - Special handling associated with partner nation data is a growing requirement
 - One solution will not fit all partner nations
 - Lack of direction on international biometric data sharing approach

Topic Summary (cont.)

- Recommendations
 - Work with BIMA Requirements Branch / Biometrics Requirements Working Group (BRWG) and COCOMs to articulate future requirements to initiate and support international biometric data sharing
 - Leadership engagement with the COCOMs
 - Matrix of current international data sharing agreements across the United States Government
 - Development of a team to deploy and build partner nation biometric capabilities

Next Steps and Timeline

- Next Steps
 - At the next BRWG, solicit COCOM input on international biometric data sharing needs and work to turn these needs into requirements that are well articulated and valid (90 days)
 - Development of a matrix that captures current international biometric data sharing agreements throughout the United States Government (90-120 days)
 - Distribution of a Biometrics Policy Survey to the COCOMs and other stakeholders to capture concerns/issues/needs/perspectives (30 days)
 - Policy development to close COCOM and stakeholder policy gaps (ongoing)

Biometrics Training

LtCol Tom Pratt
Mr. Mike Kershner

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Session Overview

- Session Leads
 - LtCol Tom Pratt
 - Mr. Mike Kershner
 - Mr. Dennis Branson
 - Mr. Nick DiPiazza
 - Mr. Chris Melton – NSTID, USAICoE
 - Mr. David Tyler – TCM-BF
- Objectives / Issues
 - Update the biometrics training community of interest on training developments since the last Biometrics Training Working Group meeting (Oct 10)
 - Identify future actions required to improve biometrics training of the force

Topic Summary

- Discussion Points
 - The appointment of a proponent (USAICoE) for biometrics is a positive step
 - Much remains to be done, especially in the realm of leader training
- Findings and Insights
 - The proponent should assume the lead for Army biometrics training
 - BIMA should transition current training efforts to the Army proponent and shift to a support role in biometrics training
 - BIMA should move forward on joint training and senior leader education
- Recommendations
 - That BIMA continue to provide training leadership at the joint level
 - That BIMA continue to try to educate senior leaders on biometrics

Next Steps and Timeline

- Next Steps
 - Next Biometrics Training Working Group meeting will be at Fort Huachuca 22-24 March to facilitate the transition of training efforts to the proponent (USAICoE)
 - The Commander's Guide to Biometrics in Afghanistan should be followed by a guide oriented to general application around the world
- Timeline
 - Transition of Army training efforts to the proponent should be complete by 1 July

Capstone Training Strategy

Mr. Ray Jones
Mr. Mike Bishop

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Session Overview

- Session Leads
 - Mr. Joseph Dunleavy
 - Mr. Raymond Jones
 - Mr. Mike Bishop
 - Mr. Mike Kershner
- Objectives / Issues: Present a recommended path forward for developing standardized biometrics doctrine and Institutional training at all levels: for users/operators, junior and senior leaders.

Topic Summary

- Discussion Points
 - Development of a draft DoDI identifying key roles and responsibilities for a Single Manager for Military Biometrics Training
 - Formalized requirement for a capstone level DoD Biometrics Training Working Group
 - Reviewed a draft or strawman charter for the working group
- Findings and Insights
 - The group was highly receptive to all of the above recommendations
- Recommendations
 - Standup the working group
 - Move forward with staffing the draft DoDI

Next Steps and Timeline

- Next Steps
 - Staff DoDI
 - Working Group Meetings
 - Develop Charter and voting membership for approval
- Timeline
 - Complete internal staffing of DoDI by EOM Feb
 - Submit draft DoDI for DoD/Joint Staff/Service staffing in mid March
 - Convene working group by EOM February – flush out charter and members.
 - Convene first WG session to develop way-a-head and address issues

DoD ABIS – Present
and Future

Sam Aloï

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Session Overview

- Session Leads
 - Sam Aloi, Neal Gieselman, Lauren Cooney
- Objectives / Issues
 - DoD ABIS Current and Future Considerations (Afghan 1000, DHS MOA, AABIS)
 - Lead Engineer(Card Scanning tools, Forensic Workbench, BEWL, Accuracy)
 - Examination Services Lead (Latent Backlog, Latent Processing)

- Discussion Points
 - System Sizing
 - ABIS Tools
 - Forward Latent Matching
- Findings and Insights
 - Must Evolve DoD ABIS
 - Enhanced Support to Warfighter
- Recommendations
 - Increase stakeholder support

Next Steps and Timeline

- Next Steps
 - Biometric Requirements Working Group
 - Product development – Card Scanning – Forensic Workbench
 - Action Items
- Timeline
 - System Sizing – 3QFY11
 - TMI
 - Identix 6.5.1

Operational Metrics

Russ Wilson

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Session Overview

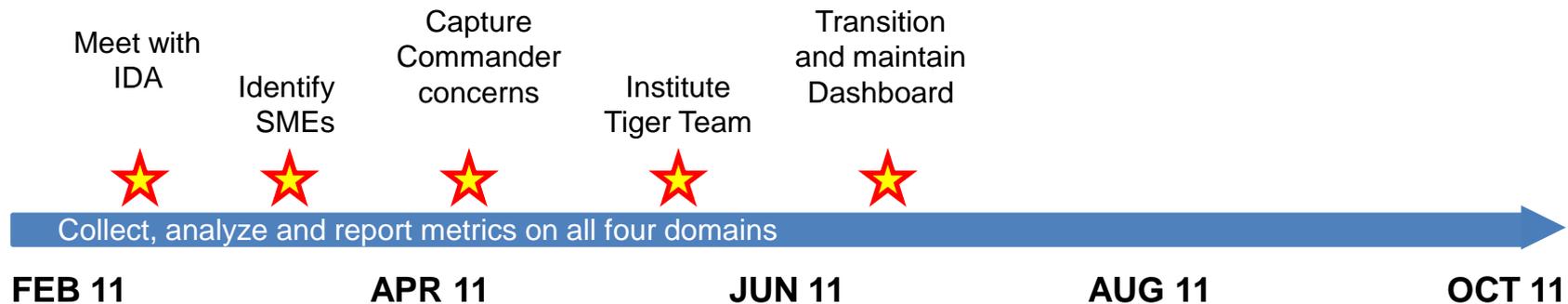
- Session Leads
 - Mr. Russ Wilson, Technology Analysis Division Chief (A)
 - Ms. Valerie Jones, Metrics SME
- Objectives / Issues
 - Report current status; partners, efforts and reporting mechanisms
 - Collaborate high-level strategic effort; 5 year operational focus
 - Socialize Biometric Enterprise Strategic Plan (BESP) efforts
 - Categorize key aspects into four domains
 - Discuss/define end user needs; focus on SMEs across enterprise
 - Present types of operational metrics; static versus dynamic
 - Facilitate open forum discussion

Topic Summary

- Discussion Points
 - Levels of metrics; focus on operational needs of end users
 - Align efforts with BESP; build on identified metrics for success
 - Involve SMEs from BCOI to analyze data
 - Identify tradeoffs; improve activities while maintaining high quality
 - Collect, analyze and report metrics immediately
- Findings and Insights
 - Issues are very user-specific and can vary between Domains
 - High-demand from end users for metrics-based information
 - Identification of specific end users and their needs is lacking
- Recommendations
 - Charter a “Tiger Team” to address and resolve operational issues
 - Focus on metrics that gauge effectiveness and efficiency

Next Steps and Timeline

- Next Steps:
 - Meet with IDA to identify technical way ahead
 - Identify/involve targeted SMEs from BCOI
 - Capture concerns of Commanders and Decision-Makers
 - Institute a “Tiger Team”; conduct regular meetings and report efforts
 - Transition and maintain the IDA dashboard to BIMA Central
 - Collect, analyze and report metrics on all four domains
- Timeline:



DoD Biometrics
CONOPS-Revisited:
The COCOM Perspective

Bill Phillips and
Benji Hutchinson

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Session Overview

- Session Leads
 - Mr. Bill Phillips, Chief, BIMA Plans Branch
 - Mr. Benji Hutchinson, OUSD(I) Biometrics, Forensics and Identity Intelligence
- Objective
 - To gather information / issues / concerns from the COCOMs in order to “kick-off” the update of the DoD Biometrics CONOPS update

Topic Summary

- Discussion Points
 - Building partner nation's capability (rapidly closing window of opportunity in some areas), and associated authorities/restrictions
 - Importance of educating senior leaders on biometrics capabilities beyond what they've seen in CENTCOM AOR (current lack of commander's support/understanding of what biometrics can do)
 - Importance of Interagency partners (DoD can't do it alone)
 - Mechanisms/policies/authorities for sharing with partner nations and interagency partners
 - Biometrically enrolling those who receive U.S. funded training
 - Where does biometrics sit? (J-2/J-3/J-8)
- Findings and Insights
 - Future of biometrics will be largely "by, with and through" partner nations
 - Fostering close working relationships with interagency partners is vital and will only increase in importance as emphasis shifts from OND/OEF
 - Fusion of biometrics, forensics, I2, DOMEX
- Recommendation
 - Update the DoD Biometrics CONOPS

Next Steps and Timeline

- Next Steps
 - Reach out to all session participants and audience members to collect notes and thoughts from the session that may not have been present
 - Conduct the “kick-off” meeting to develop scope of the DoD Biometrics CONOPS
 - WG develop timeline for writing the DoD Biometrics CONOPS strawman
- Timeline
 - TBD: Develop DoD Biometrics CONOPS strawman and staff across the Biometrics Enterprise

DoD Stakeholder
Requirements
Session

Harrison Bittenbender

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Session Overview

- Session Leads
 - LTC Borhauer, Rachel- RMB
 - Lt. Col Pratt, Tom- MOB
 - Mr. Bittenbender, Harrison-RMB
- Objectives / Issues
 - Discuss the Joint Biometrics Governance Process
 - Traceability with Capability Gaps within the Initial Capability Document (ICD)
 - Requirements Repository- Dynamic Object Oriented Requirements System (DOORS)
 - J-8 Request for CY 2011-2012 Biometric Submissions to DoD ABIS

Topic Summary

- Discussion Points
 - JCIDS Process and the results of the BEC Analysis of Alternatives
 - Request for additional AoA to research the Classified and Friendly-Force Capabilities
 - Require input from Biometrics Enterprise to answer J-8 Request and help development of new requirements for DoD ABIS system Sizing
- Findings and Insights
 - Future JUONS and requirement statements need to be written in the proper structure and format
- Recommendations
 - Additional input from operators and users throughout the requirements process, feed back loops

Next Steps and Timeline

- Next Steps
 - Biometrics Requirements Working Group Meetings
 - Create Wire Diagram to show the flow of all Requirements from the services up through the Department of Defense
 - Complete the Requirements Repository and provide access to the Enterprise
- Timeline
 - Near Term Goals
 - Wire Diagram
 - Increased input from the user community
 - Response to J-8 Request-Develop System Requirements
 - Improved Requirements Statements
 - Long Term Goals
 - Requirements Repository
 - Joint Biometrics Governance Process

Friendly Biometrics Track

Mr. Brian Hunt,
Branch Chief,
Business Functions

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TUESDAY, 25 Jan 11

- Friendly Biometrics Track Introduction
- Leveraging Biometrics to Create Business Efficiencies, Effectiveness & Accuracy
- Biometric Equities for the Identity & Privilege Management Working Group (IPvMWG) Roadmap
- Credentials Part I

WEDNESDAY, 26 Jan 11

- National Institute of Standards and Technology (NIST) Identity Program Update
- Credentials Part II
 - Defense Installation Access Control (DIAC) Update
 - Credentials Track Closure
- Biometrics Enterprise Requirements Strategy

Friendly Biometrics Session Close Out

Leveraging Biometrics to Create Business Efficiencies, Effectiveness & Accuracy

- Showcased biometrics-enabled activities occurring DoD-wide

Biometric Equities for the Identity & Privilege Management Working Group (IPvMWG) Roadmap

- Provided update on Identity Management and Protection governance structure
- Established consensus on Friendly Biometrics capability development challenges

Credentials

- Agreed upon a high-level framework that defines biometrics roles in authentication processes
- Agreed that the community has to establish a science foundation for distinct biometric modalities

Friendly Biometrics Session Close Out

National Institute of Standards and Technology (NIST) Identity Program Update

- Provided update and status on e-authentication, NIST SP 800-63 and PIV / FIPS 201-1 and status of biometrics activities
- Supported the criticality of establishing a biometrics science foundation and standards for biometric-enabled systems (COTS)

Defense Installation Access Control (DIAC) Update

- Kicking off study to determine where/how to use biometrics in Physical Access Control Systems (PACS) to enhance Force Protection
- DIAC enterprise service architecture highlights criticality of red & blue biometric data

Biometrics Enterprise Requirements Strategy

- Established understanding and consensus on the need for Friendly Forces Analysis of Alternatives (AoA)

NATO Standardization
Agreement Discussion

Tom D'Agostino
BIMA Standards Branch
Chief

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Session Overview

Session Leads

- Benji Hutchinson – OUSD (I) (Lead)
- Matt Young – BIMA (Support)
- Thomas D'Agostino – BIMA (Facilitator)

Objectives / Issue

- Describe, solicit, and discuss known NATO biometric and forensic enabled intelligence (BEI and FEI) requirements for NATO Study 4715.
- Develop an outline and begin generating content for a U.S. technical contribution to be submitted to NATO for consideration and inclusion in Study 4715. The specific section discussed included standardized match results, watch listing, and reporting of intelligence derived from biometric and forensic samples.
- Identify roles and responsibilities of the contributing agencies over the next 30 days to prepare intelligence input for the technical contribution.

Topic Summary

Discussion Points

- What is the scope of the STANAG, the US role in the development of the STANAG, and what sections was this group focusing on for contributions?
- What do we need to get to a standardized match result format, standard watch listing approach, and standard reporting of intelligence derived from biometric and forensic samples.

Findings and Insights

- Wider documentation is needed to capture technical requirements from the NATO, DoD Biometrics and Defense Intelligence communities.
- BEWL CONOPS must inform the technical contribution.

Recommendations

- More deliberate sessions on developing the U.S. contributions for the STANAG are needed across all sections of the STANAG contributions.
- Need to conduct a deep dive on the specific required intelligence products and formats to be included in the technical contribution.

Next Steps and Timeline

Next Steps

- Direct engagements with DoD stakeholders are planned to develop and consolidate U.S. contributions across all sections of the STANAG sections.
- Consolidate the individual set of contributions to feed the overall U.S. effort for a technical contributions in the next 60 days to NATO.

Timeline

- 30 Days: Conduct STANAG Section meetings, Data structure, CONOPs, Reporting Format, Watch listing, etc...Near Term Goals
- 60 Days: Consolidate technical contributions and submit to NATO STANAG technical development team
- 90 Days: NATO meeting to review NATO national contributions to the STANAG.

**Biometrics Enabled
Watch List (BEWL)**

**Matt Young,
BIMA Standards Branch**

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Session Overview

- Transmission Specification
 - Matthew Young – BIMA Standards Branch
- CONOPS
 - Paul Moruza – NGIC
 - Kevin White – NGIC
- Objectives / Issues
 - BEWL Transmission Specification
 - BEWL Data Flow
 - BEWL CONOPS

Topic Summary

- Discussion Points
 - Large amount of stakeholders
 - Interagency partners
 - Delta between as-is and to-be BEWL
- Findings and Insights
 - Communication of Top Hits needs to be improved
 - Significant COCOM and Services input on warfighter needs
 - Valuable input and alignment into CONOPS
- Recommendations
 - Continue collaboration between operators, users and stakeholders
 - NGIC to create BEWL Community of Interest (COI)

Next Steps and Timeline

- Next Steps
 - BIMA to finalize development team for Transmission Specification
 - BIMA to assess impact on ABIS
 - NGIC to lead CONOPS development
 - NGIC to crosswalk CONOPS with CCD for BEC and JPI
- Timeline
 - Version 0.2 of BEWL Transmission Specification to be delivered in March
 - Draft of CONOPS available in March - April

DoD Identity
Resolution Collection
Management

Avi Isaacson

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Session Overview

- Session Leads
 - Avi Isaacson, US Army Intelligence and Security Command
- Objectives / Issues
 - Collection Management Doctrine/Policy
 - Converting Intelligence Requirements into CM Requirements
 - Establishing Priorities for Collection
 - Tasking Mechanisms for Biometrics Collection
 - Feedback/Retasking of Biometrics Collectors
 - Ability for the Biometrics Community to Task Specialized Collection Assets
 - Retaining Data of Non-traditional Sources (Classified, US Persons, and US/Host Nation Laws)
 - Searching/Matching of Non-traditional Sources
 - Biometrics and HUMINT

Topic Summary

- Discussion Points
 - Role of COCOM and Service intelligence organizations in the Collection Management (CM) process
- Findings and Insights
 - Much work remains to develop, staff, and coordinate CM
 - CM must:
 - Fully integrate into a National CM Strategy and existing CM processes
 - Be decentralized down to at least the BCT level
 - Use overt partner sharing whenever possible, but embrace intelligence capabilities as alternative measures when appropriate
 - Identifying and collecting focused, rich datasets enable biometrics to be useful throughout the continuum of operations
- Recommendations
 - Continue CM concept development

Next Steps and Timeline

- Next Steps
 - USD(I), Services, and COCOMs address CM in appropriate forums
- Timeline
 - CM concept development will occur based upon:
 - Policy (Inter-agency/DoD/Theater)
 - DoD CONOPs
 - Doctrine (Joint and Service)
 - Personnel/Equipment Fielding

Additional Questions

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