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Sent: Thursday, December 04, 2008 6:33 PM
To: ICAHST Council Members (icahst@topsecret.net.com)
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Subject: Feedback from 3 December ICAHST Meeting

Attachments:

1. Attendee List 3 December 2008.pdf
2. Agenda 3 December 2008.pdf
3. Morgan Brief 3 December 2008.pdf
4. Zeller Brief 3 December 2008.pdf
5. Lantzy RAWG Brief 3 December 2008.pdf
6. Exec Sum NAS Protecting Individual Privacy in the Struggle Against Terrorists 2008.pdf
7. ODNI DAVE Brochure 3 December 2008.pdf
8. PALANTIR Brief 3 December 2008.pdf

To all –

On behalf of the ICAHST Chair, Dr. John S. Morgan, I would like to thank all of you who came to the fifth Interagency Council for Applied Homeland Security Technology (ICAHST) Meeting on 3 December held at Office of the Director of National Intelligence (ODNI) support facilities located within the MITRE campus in McLean, VA. In particular, we would like to thank our hosts for their hospitality and support – including Mr. Bart R. Johnson, Director, Homeland Security and Law Enforcement, ODNI; and MITRE support personnel.

Thirty one council members, alternates, or guests were in attendance from the Department of Justice/National Institute of Justice (DOJ/NIJ), Department of Homeland Security (DHS), National Counterterrorism Center (NCTC), National Reconnaissance Office (NRO), National Security Agency (NSA), Bureau of Alcohol, Firearms, Tobacco and Explosives (ATF), National Institute of Standards and Technology (NIST), the US Marshals Service (USMS), the National Geospatial-Intelligence Agency (NGA), the US Forest Service (USFS), and the Office of Science and Technology Policy (OSTP); as well as an adjunct representative from the International Association of Chiefs of Police (IACP). The meeting was held at the UNCLASSIFIED level. For your convenience, I have attached a listing of the attendees and their contact information.

Meeting Summary

Primary discussions at this meeting included feedback from the Chairman, Dr. Morgan on the future of ICAHST and status of visits to State/Local law enforcement departments in several major cities; a discussion by Mr. Randel L. Zeller on the structure and programs of the DHS Science and Technology Directorate (DHS/S&T), explaining that responsibility for ICAHST activities has been moved to the Under Secretary level; updates/status from the two ICAHST Working Groups (Civil Liberties and Research Agenda), including finalizing the revised and updated ICAHST “Technology Needs” document; and briefings of interest to the ICAHST Coalition including:

- Bart R. Johnson, Director, Homeland Security and Law Enforcement, ODNI
- Sabra E. Horne, Senior Advisor for Outreach, Open Source Collection, ODNI
- Technology Briefing on *PALANTIR*: a software platform for the Intelligence Community under consideration by NCTC that combines knowledge management, collaboration, and discovery into a seamless package.

Meeting Discussions

Dr. Morgan and Mr. Johnson welcomed the ICAHST members to ODNI and this meeting. With the relatively large number of new participants, Dr. Morgan asked the attendees to briefly introduce themselves and their organization.

ICAHST Activities from the Chair

Dr. Morgan began by expressing his view of ICAHST as a true collaboration effort that is pushing the envelope – within the information technology space – in areas such as information sharing and information analysis, serving the broad public safety community. He discussed the recent visits that he and other ICAHST members have made to the chiefs of police in various state/local law enforcement agencies and said that these visits would continue. To date, ICAHST has visited the Las Vegas Police Department (January 2008), the District of Columbia Metropolitan Police Department (March 2008), the Boston Police Department (May 2008), and the Miami/Dade Police Department (August 2008).

Dr. Morgan cited a number of specific goals that he had for ICAHST in the coming year:

- Finalize ICAHST Technology Needs Document
- Focus On Intelligence Community and State/Local/Tribal Entities
- Continue to Expand ICAHST Membership
- Expand Technology Exploration and Outreach Activities

The Technology Exploration and Outreach Activities will include input and participation from members of the Harvard University *Criminal Justice Policy and Management Program* attended by Dr. Morgan and a number of the top technology oriented chiefs of police from around the nation. Of particular interest are “Predictive Policing” technologies including “Geographic Profiling” and “Non-Obvious Relationship Analysis.”

Dr. Morgan concluded by emphasizing the need for ICAHST members to address these problems of state/local law enforcement through specific collaborative efforts endorsed by the Council.

For convenience, I have attached the slides associated with the remarks by Dr. Morgan.

ICAHST Oversight at DHS/S&T

Mr. Randel L. Zeller, Director, Interagency and First Responder Programs, Science & Technology Directorate, Department of Homeland Security, gave a detailed explanation of the organizational structure and operations, including various programs related to ICAHST within the S&T Directorate. This included the various staff organizations as well as the six primary operational divisions – Explosives; Chemical/Biological; Command, Control, and Interoperability; Borders and Maritime Security; Human Factors; and Infrastructure and Geophysical – and their relationship to the S&T Directors of Research, Innovation, and Transition. Mr. Zeller said that Under Secretary Jay M. Cohen would continue to lead the Science and Technology Directorate for some time into the future, ensuring a smooth transition to the new Administration.

Mr. Zeller also explained that oversight for all ICAHST matters had been transferred to his staff from the Command, Control, and Interoperability Division and that Under Secretary Cohen had expressed his continuing and full support for ICAHST.

I have attached the slides used by Mr. Zeller.

Civil Liberties Working Group (CLWG) Status:

This working group is charged with leveraging civil liberties protection efforts underway across government in order to develop an approved set of policy guidelines for research activities undertaken by ICAHST. The goal is to ensure that the comprehensive set of privacy protection rules under development across government would be applied to all ICAHST research activities.

Peter Sand, DHS Privacy Office, is co-chairing this working group with Mr. Alex Joel, the ADNI for Civil Liberties Protection in the Office of the Director of National Intelligence. Although both were unable to attend this session; it was emphasized that the overall strategy is to apply the DHS structured privacy, civil rights/liberties compliance process to the operation of all ICAHST Research Agenda Working Group (RAWG) projects.

During this discussion, Dr. Morgan and Mr. William Ford, NIJ, referenced a recent book published by the National Academies (specifically, the National Academy of Sciences) relating to privacy in this age of terrorism, entitled, "Protecting Individual Privacy in the Struggle Against Terrorists." The authors are members of the National Research Council "*Committee on Technical and Privacy Dimensions of Information for Terrorism Prevention and Other National Goals.*" Dr. Morgan agreed to approach the Academy to explore the possibility of sharing a number of copies of this document with ICAHST members. In the interim, I have attached the Executive Summary of the book, which is also available on the National Academies Press website:

http://books.nap.edu/catalog.php?record_id=12452

Research Agenda Working Group (RAWG) Status:

Dr. James E. Lantzy, the technology Program Manager for Mission Systems Directorate within NCTC, gave a presentation on the status of this working group. He stressed that progress is being made in the various RAWG committees, including:

1. ICAHST Research Needs; Chair: Cheryl E. Reid, NIJ

Purpose: To revisit and update/revise/prioritize the existing ICAHST Long Term Research Needs document

Ms. Reid gave an update on this effort. She explained that they have nearly finalized a new document – entitled "ICAHST Technology Needs" – which is an amalgamation of the comprehensive NIJ Requirements Document, the 2008 DHS/S&T High Priority Technology Needs Document, and various other inputs from NCTC and other participating ICAHST members. This new document will be posted to the ICAHST website and distributed to the ICAHST membership shortly for final review and coordination.

2. Protected Computing Environments; Chair: Blair Deem (USMS)

Purpose: To define the problem set, explore ongoing efforts, and determine feasibility of developing a proof-of-concept pilot for secure and/or protected portable electronic devices to support unclassified, sensitive but unclassified (SBU), and classified voice and data

Mr. Blair explained the background of this effort and its continuation with the FBI and others in the development of joint proof-of-concept pilots using the Blackberry and other mobile devices with over 100 test users. Dr. Morgan and Mr. William Ford from NIJ announced that NIJ is releasing a document on advanced PDA technology and NIJ would like to have input on this document from ICAHST members. The document or a link will be posted to the ICAHST website to facilitate this process.

3. Technology Benchmarking; Chair: Jim Lantzy, NCTC

Purpose: To engage in ICAHST sponsored outreach activities including specific technology exploration visits to industry, academia, and government locations to determine applicability to mutual homeland security and counterterrorism problems. These efforts are a key part of this committee – providing the foundation for enhanced RAWG technology understanding and enabling critical first hand operational and R&D community interface.

Technology Exploration Trip: January 2009

It was announced that a formal invitation will be coming soon to all ICAHST Coalition members to participate in the upcoming January ICAHST Technology Exploration Trip to Las Vegas, NV. Although all details for this technology exploration trip have not been finalized, a

special technology investigation team with representation from several ICAHST agencies will be traveling to Nevada during the period 6-10 January 2009. This will be a unique opportunity to further the technology research goals of not only ICAHST, but also the individual participating agencies. As part of this investigation, the team will be receiving briefings and visiting:

- Various industry operations focused on Visualization, Identity Resolution, Anonymous Resolution, Relationship Resolution; including meeting with IBM Distinguished Engineer and Chief Scientist Jeff Jonas, who is responsible for next generation identity analytics at IBM
- Operations Centers employing identity management software sponsored by multiple industry partners, including the gaming industry
- Local Law Enforcement officials, including the Las Vegas Regional Fusion Center
- DOE technology contingent located at Nellis Air Force Base

In addition, all participants can attend the annual Consumer Electronics Show, held 8-10 January, if their schedules allow.

I will be forwarding an invitation and additional logistical details to ICAHST members shortly.

4. ICAHST Industry Day/Conference; Chair: Tom Martin, ICAHST

Purpose: To explore the concept of an ICAHST "Industry Day," and/or periodic ICAHST Conference presentations

The undersigned reviewed recent ICAHST sponsored conferences, including:

- **C-IED Workshop, NRO, 19 August 2008**
In addition to ICAHST, this workshop also was sponsored by the Department of Homeland Security and the US Intelligence Community, and the National Reconnaissance Office and focused on Intelligence Community Efforts / Plans for the protection of the homeland against Improvised Explosive Devices (IED's). Emphasis was placed on the activities of the Intelligence Community including advancing research and technology to prevent IEDs and sharing information with federal, state, and local partners. There were nearly 200 participants from Army, Air Force, Navy, Marines, ATF, FBI, NGA, NSA, NCTC, DOJ/NIJ, DTRA, DOE including NNSA and several labs, DoD including NDU, ONR, and DHS as well as state/local law enforcement personnel from VA and FL.
- **C-IED International Symposium and Exposition, Gaylord Conference Center, Washington, DC, 12-13 November 2008**
The primary purpose of this symposium was to bring together – for the first time – key players within the US Intelligence Community with our nation's law enforcement agencies to address the *domestic threat*. The symposium focused on activities underway within ODNI, NCTC, and DHS as well as our nation's law enforcement agencies including national agencies such as the FBI, ATF, DOJ, and the US Marshals Service and state and local police departments. With sponsorship from the non-profit Government Emerging Technology Alliance (GETA) and working with our partners and supporting agencies, this event provided a forum addressing key issues and critical mission needs in support of IED defeat and prevention. A special guest speaker was Dr. Rohan K. Gunaratna, Head, International Center for Political Violence and Terrorism Research (ICPVTR) in Singapore. Over 225 people attended this event, held at the new Gaylord Convention Center near Washington, DC.
- **Law Enforcement and Homeland Security Users Conference and Technology Exposition, NRO, 3-6 February 2009**
In addition, Mr. Frank Toomer, NRO, announced this upcoming ICAHST sponsored venue scheduled for 3-6 February at the NRO. Building upon ICAHST activities as well as current NRO operations including the NRO/DDMS Law Enforcement Coordination

Team, this classified conference will be held at the SECRET level 3-5 February, and at the SCI level on 6 February. Additional logistical details for this conference will be posted shortly on the ICAHST website.

It was reiterated that additional members are needed and welcome in every RAWG committee and all outreach activities.

Other possible outreach activities for ICAHST coordinated by Mr. Toomer include a visit to GeoEye, a prominent commercial geospatial products and solutions provider located in Sterling, VA, and a classified visit to an NRO command facility.

I have attached the slides used by Dr. Lantzy in his presentation.

The activities of both working groups will continue to be presented at future Council meetings for endorsement and approval.

ODNI: Homeland Security and Law Enforcement

Mr. Bart R. Johnson, Director, Homeland Security and Law Enforcement, ODNI, briefed the ICAHST on ODNI efforts to strengthen support to federal, state, local, and tribal partners in the homeland security and law enforcement communities. He explained that he and his staff are responsible as the principal advisor to the DNI for customer and intelligence needs and serving as the focal point for all homeland security and law enforcement customers. As a retired Colonel from the New York State Police, Mr. Johnson was appointed by DNI Michael McConnell to this position in January of 2008. During his tenure to date, he has constituted numerous venues to promote his customers, including meetings of his "Partners Group," and future reconstitution of the "Law Enforcement Working Group," originally established by Mr. Charles Allen, now Under Secretary for Intelligence and Analysis at DHS. Mr. Johnson has already participated in numerous ICAHST activities and plans to continue to look to ICAHST as a collaborative tool, especially in the area of policing technology.

Open Source Collection

Ms. Sabra E. Horne, Senior Advisor for Outreach, Open Source Collection, ODNI, briefed ICAHST members on the role and value of "Open Source" Intelligence in meeting the national security needs of this nation. She cited that outreach activities were a cornerstone of her efforts and that she planned to work closely with ICAHST in the future. She cited several strategies for accomplishing her objectives, including encouraging information sharing and encouraging innovation. Her areas of interest include:

- Development of Early Warning Systems
- Coping with the tsunami of available open source information
- Development of enhanced foreign language tools
- Use of Commercial Imagery Data

As an example of important efforts ongoing within the ODNI Open Source Collection organization, she cited the "Open Source Center" located in Reston, VA, and the "Digital Audio Video Enterprise" (DAVE) project that allows for customized use and multimedia product creation in support of intelligence production. DAVE – which was recently demonstrated to the ICAHST RAWG – has capabilities including:

- Live video streaming with multi-view playback
- Archive video search
- Video download (in a variety of formats)
- Editing Tools
- Subtitling of video content
- Single file or bulk uploads

A special briefing and demonstration for ICAHST members will be scheduled.

I have attached an electronic version of the DAVE handout that was distributed to ICAHST attendees at the meeting.

Technology Briefing on *PALANTIR*

Mr. Trae Stephens, Senior Software Engineer for Palantir Technologies, gave a brief demonstration of Palantir, a software platform for the Intelligence Community under consideration by Dr. Lantzy at NCTC (and other IC agencies) that combines knowledge management, collaboration, and discovery into a seamless package. The system integrates with existing agency data sources and serves as an “amplifier” to the analytical capabilities of an organization. The demonstration by Mr. Stephens provided a broad overview of the platform, including its data integration, search and discovery, knowledge management, and collaboration capabilities. Several ICAHST members expressed interest in learning more about this tool, including a more detailed demonstration. As a result, a special briefing and demonstration on Palantir for ICAHST members will be scheduled in the near future.

Summary of Future Outreach Activities

- Technology Exploration Trip: January 2009, Las Vegas
- Law Enforcement and Homeland Security Users Conference and Technology Exposition, NRO Headquarters, Chantilly, VA, 3-6 February 2009
- Visit to GeoEye, Commercial Imagery Provider, Sterling, VA
- Visit to ODNI Open Source Center for DAVE demonstration, Reston, VA
- Special briefing and demonstration on Palantir Technology, McLean, VA

I will be in touch by email with additional information on each of these activities.

Next Meeting

We anticipate that future Council meetings will continue to occur on a quarterly basis, with the various working groups and committees meeting as frequently as required. Council meetings will be held at the Unclassified level at various locations to be determined. The Council plans to meet next in the late March or April 2009 timeframe. I will be in touch by email with specific details on the next meeting.

The ICAHST constitutes a Council of *Coalition Stakeholders* and is the primary guidance mechanism for this homeland security/counterterrorism activity. It is very important to have your participation and input and your contributions are greatly appreciated.

Warm regards,

Fredrick Thomas Martin
Executive Agent
Interagency Council for Applied Homeland Security Technology