

---

**From:** Fredrick T. Martin [mailto:ftmartin@topsecret.net.com]  
**Sent:** Thursday, October 08, 2009 5:49 PM  
**To:** ICAHST Council Members (icahst@topsecret.net.com)  
**Cc:** Fredrick T. Martin (fredrick.martin@dhs.gov)  
**Subject:** Feedback from 7 October 2009 ICAHST Meeting

**Attachments:**

1. Attendee List 7 October 2009.pdf
2. Agenda 7 October 2009.pdf
3. Garcia HS SEDI 7 October 2009.pdf
4. Zeller First Responder Brief 7 October 2009.pdf
5. Reid Draft ICAHST Technology Needs Manuscript 7 October 2009.pdf
6. Toomer NRO LE HS Conference Flyer 7 October 2009.pdf
7. GovCon4 Agenda 7 October 2009.pdf
8. Martin C-IED Brief 7 October 2009.pdf
9. Kunkle ESWG Brief 7 October 2009.pdf
10. Hochstetler NSA Technology Scouting Overview 7 October 2009.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 seventh Interagency Council for Applied Homeland Security Technology (ICAHST) Meeting on 7 October hosted by the MITRE Corporation Homeland Security Systems Engineering and Development Institute (HS SEDI), a Department of Homeland Security sponsored Federally Funded Research and Development Center (FFRDC), and held at their McLean, VA campus. In particular, we would like to thank our hosts for their hospitality and support – including Dr. Gerardo L. Garcia, Joe O'Neill, and Adam Robinson.

Thirty six council members, alternates, or guests were in attendance from the Department of Justice/National Institute of Justice (DOJ/NIJ); Department of Homeland Security (DHS), including S&T, I&A, OBP, FEMA, and OPS; the National Reconnaissance Office (NRO); National Security Agency (NSA); Bureau of Alcohol, Firearms, Tobacco and Explosives (ATF); the Department of Energy (Remote Sensing Laboratory); the Department of Defense Combating Terrorism Technical Support Office (CTTSO) / Technical Support Working Group (TSWG); the US Army National Ground Intelligence Center (NGIC); the US Navy National Maritime Intelligence Center (NMIC); the DoD Joint Improvised Explosive Device Defeat Organization (JIEDDO); and the Bomb Squad of the Prince George's County Maryland Fire Department; as well as an adjunct representative from Gillespie International, Inc. The meeting was held at the UNCLASSIFIED level. For your convenience, I have attached the agenda as well as a listing of the attendees and their contact information.

**Meeting Summary**

Primary discussions at this meeting included:

- Dr. Morgan briefed his activities in support of predictive policing, including the upcoming NIJ Predictive Policing Conference to be held in Los Angeles in November and the ICAHST technology pilot with the LAPD *Regional Crime Center*, and other law enforcement partners, using various “best practices” software.
- DHS/S&T briefed their ICAHST support activities and the new First Responder Integrated Product Team.
- The ICAHST Working Group briefed the status of the revised and updated ICAHST “Technology Needs” document, which is now in the final stages of publication.

- An update on ICAHST Outreach activities and sponsorship of technology investigations including special demonstrations was provided, including:
  1. Commercial Imagery Orientation
  2. 4th Annual Palantir Government Conference
  3. NRO Law Enforcement and Homeland Security Users Conference and Technology Exhibition
- An update on the ICAHST C-IED Symposium scheduled for December was provided.
- Department of Homeland Security “Explosives Standards Working Group” (ESWG) Briefing
- NSA Research Transformation Briefing

### **Meeting Discussions**

Dr. Morgan and Dr. Gerardo L. Garcia welcomed the ICAHST members to MITRE and the HS SED and this meeting. With the relatively large number of participants, Dr. Morgan asked the attendees to briefly introduce themselves and their organization. Dr. Garcia explained the role of the HS SEDI and its support to the Department of Homeland Security. I have attached a flyer provided by Dr. Garcia that provides additional information on the role and approach of HS SEDI.

### **ICAHST Activities from the Chair**

Dr. Morgan briefed his State/Local law enforcement visitation program to technology oriented police departments in several major cities as well as many other activities in support of the concept of “Predictive Policing,” which is growing within the law enforcement community as an accelerator for crime prevention. Dr. Morgan explained that this concept is being promulgated within three primary thrusts:

1. Symposium/Workshop sponsored by the National Institute of Justice (NIJ) and the Bureau of Justice Assistance (BJA)
2. Pilot Projects in seven cities selected by NIJ, including: Boston, Washington, DC, Chicago, Los Angeles, Shreveport, New York
3. Definitional Papers written by concept experts

As announced at the previous ICAHST quarterly meeting, plans have been finalized for the “First Predictive Policing Symposium,” sponsored by NIJ and BJA, in collaboration with the Los Angeles Police Department, to be held November 18–20, 2009, at the Marriott Los Angeles Downtown, located at 333 South Figueroa Street, Los Angeles, CA 90071. It is expected that this symposium – a two and a half day workshop – will bring together researchers, practitioners, and criminal justice leaders to develop and discuss the concept of predictive policing and its impact on crime and justice. Dr. Morgan reiterated that all ICAHST members are invited to participate. He also emphasized that the deadline for ensuring registration is tomorrow, **Friday, 9 October**; therefore interested ICAHST members who have not already registered should do so immediately. To register for this workshop, in which all fees are paid, please see this website:

[www.palladianpartners.com/predictivepolicing](http://www.palladianpartners.com/predictivepolicing)

The workshop will address current knowledge about predictive policing, include specific case studies, and address the future of predictive policing. For the preliminary agenda, please see:

<http://guest.cvent.com/EVENTS/Info/Custom.aspx?cid=17&e=9bbb62dd-5351-498e-ab2b-c8eb26caff9>

In addition, Dr. Morgan explained that ICAHST is continuing to sponsor a technology pilot using a set of commercially available software platforms determined to represent “best practices” that demonstrate the concept of “Predictive Policing” within the United States. These platforms, currently including Palantir Technologies and Entity Analytic Solutions, will be benchmarked using counterterrorism and other sensitive law enforcement data from the Los Angeles Police

Department (LAPD), the Mesa, AZ Police Department, and other law enforcement partners as part of a national effort to demonstrate the utility of this concept.

“Entity Analytic Solutions” is a software suite developed by the *IBM Corporation* that finds non-obvious relationships and resolves ambiguous identity and attribute information into a single entity across multiple data sets. “Palantir” is a visualization oriented software platform developed by *Palantir Technologies, Inc.* for the Intelligence Community that has received funding from the CIA’s venture capital arm, IN-Q-TEL, and combines knowledge management, collaboration, and discovery into a seamless package. Palantir features include data integration, search and discovery, knowledge management, and other collaboration capabilities.

### **ICAHST Support at DHS/S&T**

Mr. Randel L. Zeller, Director, Interagency and First Responder Programs, Science & Technology Directorate, Department of Homeland Security, reiterated support for ICAHST programs and the utility of the coalition across the homeland security, counterterrorism, and intelligence communities. He briefed the progress of the recently established First Responder Integrated Process Team, including the Capstone IPT Summit Game held in Leesburg, VA in June 2009, as well as efforts to identify high-priority technology needs of the first responder community, and assist in bringing private sector resources to bring commercial off the shelf products to solve first responder problems. He explained that the First Responder IPT will:

- Help DHS/S&T understand first responder technology needs or capability gaps
- Build a systematic mechanism to identify and prioritize first responder technology needs (capability gaps), using a sustainable feedback loop
- Ensure more visibility, coherence, access and consistency

Mr. Zeller continues to be interested in ICAHST feedback and additional participation in all first responder activities. I have attached the slides used by Mr. Zeller in his presentation.

### **ICAHST Technology Needs Working Group Status:**

Ms. Cheryl E. Reid briefed the status the ICAHST *Technology Needs Working Group*, headed by Mr. William Ford and Ms. Reid of the National Institute of Justice. This group has been engaged for over a year in coordinating, revising and updating the ICAHST Research Needs document originally published in September 2006. The original document contained 24 specific research needs based on acquiring, exploiting, and using needed data, and represented the needs of the entire ICAHST coalition. They became the basis for various evaluation efforts among a large number of ICAHST members. The new revised document – entitled “ICAHST Technology Needs” – contains a set of 19 key “missions” structured by collection, processing, analysis, and dissemination of information, all components of the classic intelligence cycle.

This new version includes technology needs from various ICAHST members, including extensive input from DHS, based on their “2009 DHS/S&T High Priority Technology Needs Document,” as well as extensive input from the “National Institute of Justice Requirements Document.” This revised version also addresses concerns previously expressed by the Office of Science and Technology Policy (OSTP).

Ms. Reid explained that the new document has previously been coordinated extensively with ICAHST members and is now in final draft. As part of the presentation discussion, it was suggested that the ICAHST Technology Needs Working Group ensure that the C-IED research challenges documented in a report published last December by the “Domestic Improvised Explosive Devices Subcommittee” of the National Science and Technology Council (NSTC) entitled, “Research Challenges in Combating Terrorist Use of Explosives in the United States” were included in the revised ICAHST document. The NSTC document can be seen at:

<http://www.ostp.gov/galleries/NSTC%20Reports/Domestic%20IED%20Grand%20Challenge.pdf>

Ms. Reid explained that final edits were being coordinated and publication is expected soon. Several positive comments have been received from ICAHST members to date on the final draft; however, she asked that any members with additional comments or concerns should contact us as soon as possible. I have attached the latest version of this document (manuscript only) for your convenience.

**ICAHST Outreach Status:**

Mr. Frank Toomer, the Senior Federal Civil and Homeland Security Coordinator in the Systems Engineering Directorate of the National Reconnaissance Office (NRO) and ICAHST Director of Outreach, updated the members with a number of current outreach activities, including:

- **Commercial Imagery Orientation**

Mr. Toomer has coordinated a number of visits to commercial imagery service providers for ICAHST members and is currently planning several visits. Interested ICAHST members should contact me or Mr. Toomer directly to be included. Mr. Toomer can be reached on 703-808-2328 or [frank.toomer@nro.mil](mailto:frank.toomer@nro.mil)

- **4th Annual Palantir Government Conference (GovCon4)**

“Palantir,” the visualization oriented software platform developed by *Palantir Technologies, Inc.* and cited above as a component of the ICAHST Technology Pilot with the Los Angeles Police Department, is conducting their annual demonstration conference for government users and customers on Tuesday, **13 October 2009** in Tysons Corner, VA. The conference will feature presentations and live demonstrations by customers as well as special workshop tracks for developers and analysts. Interested ICAHST members can request an invitation to attend by e-mailing:

[govcon@palantirtech.com](mailto:govcon@palantirtech.com)

Palantir has requested that you include your first and last name, organization, and position or job title.

In addition, I have attached the agenda for this event.

- **ICAHST / NRO 2009 Law Enforcement and Homeland Security Users Conference and Technology Exposition**

This classified conference will be held on **20-21 October 2009** at the NRO Headquarters (JD Hill Conference Center) in Chantilly, VA. The conference theme is *“Building Partnerships through Technology, Intelligence Sharing and Collaboration.”*

The conference will provide an opportunity for the Law Enforcement, Homeland Security and Intelligence Communities to collaborate on the following featured topics:

- Information & Intelligence Sharing Initiatives
- Collaboration “Best Practices” between the Law Enforcement, Homeland Security, and Intelligence Communities
- National Security Challenges to law enforcement / homeland security
- Emerging Technologies to support national law enforcement / homeland security

The conference will be held at the SECRET/NOFORN level.

Online registration is available at:

[www.ncsi.com](http://www.ncsi.com)

The deadline to register is **12 October 2009**, so interested ICAHST members should register soon.

For additional information please contact any of the following conference personnel:

Sherry Fleming, NRO, 703-953-3935

Abbey Brooks at 888-603-8899 or [brooks@ncsi.com](mailto:brooks@ncsi.com)

Kevin R. Lewis, NRO, 703-808-2125 or [lewikeyi@nro.mil](mailto:lewikeyi@nro.mil)

Phil Donegan, NRO, 703-877- 7132 or [doneganp@ddms.nro.mil](mailto:doneganp@ddms.nro.mil)

I have attached a brochure with additional details for this event.

- **Technology Exploration Trips**

For the past several years, the ICAHST “Research Agenda Working Group” has sponsored technology exploration trips to our member partners in several areas, including attendance at the annual Consumer Electronics Show (CES) in Las Vegas in January of each year. In response to interest from NSA and other ICAHST members, Mr. Toomer will pursue possible exploration venues for January 2010.

### **ICAHST C-IED Symposium Status Briefing**

As announced last month, ICAHST is sponsoring the “Counter-IED Symposium and Exhibition,” to be held at the Gaylord National Harbor Convention Center in Washington, DC, 1-3 December 2009.

In conjunction with the Department of Homeland Security (DHS); the Department of Justice (DOJ); the Department of Defense Combating Terrorism Technical Support Office (CTTSO) / Technical Support Working Group (TSWG); the Bureau of Alcohol, Firearms, Tobacco and Explosives (ATF); the Department of Energy (Remote Sensing Laboratory); the US Army National Ground Intelligence Center (NGIC); and the US Intelligence Community, this symposium and exposition will provide a forum for representatives from federal, state, and local governments, working with the private sector – industry, academia, and laboratories – to address key issues and critical mission needs in support of IED defeat and prevention. This includes advancing research and technology to prevent IEDs including human factors and social analysis, as well as collaboration ranging from protection of critical infrastructure including explosives at airports and other public venues, to sharing information with international, coalition, federal, state, and local partners.

The symposium will be held at the unclassified level on 1-3 December at the Gaylord Convention Center; and at the SECRET level or higher at a secure location early in 2010. It is anticipated that the unclassified symposium will focus on:

- Analysis of the International Threat and Protection of the Homeland
- Research and Technology
- C-IED Training
- First Responders
- Forensics
- Human Factors and Social Analysis

DHS Secretary Janet Napolitano has been invited to deliver the keynote address. Members of Congress have been invited as well.

The ICAHST C-IED Planning Committee met on 19 August and developed a set of four “focus areas” or conference tracks. The four areas and organizational chairs are as follows:

**1. Threat Environments: Unique Nature of Domestic Response and Military Response**

Co-Chairs from JIEDDO, DHS/Office for Bombing Prevention, DOJ, HSPD-19 Joint Program Office, ATF

- Constitutional Issues
- Policy Issues
- EO 12333 Implications
- HSPD-19 Implications
- Limitations/Benefits in leveraging technology from the military to the domestic side
- Leveraging different investments

**2. Threat Analysis: Research and Technology**

Co-Chairs: CTTSO/TSWG; DHS/S&T

- Law Enforcement Prediction Techniques, including Predictive Policing
- Social and Behavioral Science Research to support Threat Analysis
- Predictive Tools and Technologies
- Forensics

**3. First Responders**

Co-Chairs: DOJ/NIJ; DHS/S&T (First Responder Programs); DCMPPD; Also need participation by National Bomb Squad Commanders Advisory Board (NBSCAB) and possibly National Tactical Officers Association (NTOA)

- Tools they have
- Tools they need
- Classification Issues/Security Clearances
- C-IED IPT
- First Responder IPT (focused on C-IED issues)
- Requirements

**4. Information Sharing**

Co-Chairs: ODNI; DOJ/NIJ; BJA; DHS Office of Policy – Private Sector Office

- a. How IS works
- b. Identification of all relationships – what mechanisms work?
- c. How all involved authorities share information (Fed to Fed – including military; Fed to Private Sector; Fed with State/Local; State/Local with Private Sector)
- d. Technology for IS
- e. HSPD-19 (COI)

It is anticipated that track co-chair assignments will be finalized within days and then the co-chairs will meet to develop a conference schedule.

I have attached the slides used for the C-IED Symposium presentation.

**JIEDDO Technology Outreach Conference**

In addition to the ICAHST C-IED Symposium in December, representatives from the Department of Defense “Joint Improvised Explosive Device Defeat Organization” (JIEDDO) announced the latest JIEDDO Technology Outreach Conference scheduled for 27-29 October in College Park, MD. This classified conference is designed to facilitate innovative cooperation and business opportunities for participating companies and organizations, with the ultimate goal of supporting the warfighter. JIEDDO representatives invited interested ICAHST members to attend. For additional information and to register, see:

[www.ncsi.com/jieddofall109/index.shtml](http://www.ncsi.com/jieddofall109/index.shtml)

**DHS Explosives Standards Working Group (ESWG)**

Mr. Joseph Kunkle, DHS, was called away and unable to brief information on the DHS Explosives Standards Working Group (ESWG) as scheduled. However, Mr. David R. Kontny, Acting Deputy Director of the DHS Protective Security Coordination Division, gave an overview of ESWG, explaining that Mr. Kunkle would brief in detail at the next quarterly meeting. He explained that the ESWG was a “transparent unified public and private sector effort to integrate sound practices from global partners to strengthen the Department’s counter-explosives portfolio through consensus standards.” ESWG is also designed to improve the operational effectiveness of DHS and First Responders by coordinating various stakeholder efforts within the counter-explosives domain through DHS National Standards.

I have attached the detailed slides describing the ESWG submitted by Mr. Kunkle.

#### **NSA Research Transformation**

Dr. Darniet Jennings, Research Directorate, NSA, was also called away and unable to brief information on the NSA Research Transformation effort as scheduled. However, Mr. John Hochstetler, gave an overview of NSA Technology Scouting, and stated that Dr. Jennings also would brief in greater detail at the next quarterly meeting. Mr. Hochstetler explained that Technology Scouting at NSA contained three focus areas:

1. Technology Identification
2. Technology Evaluation
3. Technology Outreach

I have attached the slides used by Mr. Hochstetler, including contact information for Dr. Jennings.

#### **Next Meeting**

It was announced that the next quarterly Council meeting will be held at the Unclassified level and hosted by the DHS **Federal Emergency Management Agency (FEMA)** – possibly at their “National Response Coordination Center” located at FEMA Headquarters in Washington, DC – on **Wednesday, 20 January 2010**, from 10:00am to 12:30pm. Please reserve that date on your calendars.

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. I will be in touch by email with specific details on the January 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