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**From:** Fredrick T. Martin [mailto:ftmartin@topsecret.net.com]  
**Sent:** Friday, June 11, 2010 3:49 PM  
**To:** ICAHST Council Members (icahst@topsecret.net.com)  
**Cc:** Fredrick T. Martin (fredrick.martin@dhs.gov)  
**Subject:** Feedback from 10 June 2010 ICAHST Quarterly Meeting

**Feedback from 10 June 2010 ICAHST Quarterly Meeting**

**Attachments:**

1. Agenda 10 June 2010.pdf
2. Participant List 10 June 2010.pdf
3. Bart Johnson Biography May 2010.pdf
4. Johnson ICAHST Future Priorities 10 June 2010.pdf
5. ICAHST Long Term Technology Needs 2nd Edition June 2010.pdf
6. Buck RAPIER August 22 2007.pdf
7. Toomer Outreach 10 June 2010.pdf
8. Zeller Col 10 June 2010.pdf
9. Morton\_Watson N-ISE 10 June 2010.pdf
10. N-ISE-Concept Paper-Final Draft 4 June 2010.pdf
11. Borland MINTWG 10 June 2010.pdf
12. FY11 MINTWG Call.pdf

To all –

On behalf of our new Chair, Mr. Bart R. Johnson, and our departing Chair, Dr. John S. Morgan, I would like to thank all of you who came to the ninth *Interagency Council for Applied Homeland Security Technology* (ICAHST) Meeting on 10 June 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 Barbara Toohill, Dr. Gerardo L. Garcia, Joe O'Neill, Ed Goodnight, and Maria L. David.

Seventy-two council members, alternates, or guests participated from the Department of Homeland Security (DHS), including I&A, OIP, CBP, S&T, OBP, OPS, OCP, and FEMA; the National Reconnaissance Office (NRO); National Security Agency (NSA); Central Intelligence Agency (CIA); National Geospatial-Intelligence Agency (NGA); the Office of the Director of National Intelligence (ODNI); National Counterterrorism Center (NCTC); Federal Bureau of Investigation (FBI); Bureau of Alcohol, Firearms, Tobacco and Explosives (ATF); US Marshals Service (USMS); INTERPOL (Washington); the Department of Energy, including the Remote Sensing Laboratory and the Lawrence Livermore National Laboratory; the Department of Defense Combating Terrorism Technical Support Office (CTTSO) / Technical Support Working Group (TSWG); the Department of Justice/National Institute of Justice (DOJ/NIJ); the US Geospatial Intelligence Foundation (USGIF); the US Forest Service; the International Association of Chiefs of Police (IACP); the National Defense University (NDU); and the Las Vegas Metropolitan Police Department, the Smithfield VA Police Department; and the Los Angeles Sheriffs Department (LASD) as well as adjunct representatives from the MITRE Corporation; the Homeland Protection Institute (HPI); the Homeland Security Team of the *Project on National Security Reform* (PNSR); and the Concurrent Technologies Corporation (CTC). The meeting was held at the UNCLASSIFIED level.

For your convenience, I have attached the final agenda as well as a listing of the participants who either attended or called in as well as their contact information.

## Meeting Summary

Primary discussions at this meeting included:

- Transfer of Chair from Dr. Morgan to Mr. Bart R. Johnson, the Principal Deputy Under Secretary for Intelligence and Analysis, Department of Homeland Security
- ICAHST Future Priorities by Mr. Johnson
- Updates on all ICAHST activities including support of predictive policing; Interagency training activities; and other Outreach activities including C-IED Symposium planning; Civil Applications Committee (CAC); ICAHST Website Videos; and the NRO Technology Exchange Working Group (TEWG).

There were four briefings:

- ICAHST Support Activities at DHS/S&T: USAF Academy Innovation Laboratory
- *United States Geospatial Intelligence Foundation (USGIF)*
- *Project on National Security Reform (PNSR) Net-enabled Information Sharing Environment (N-ISE) Operational Proof-of-Concept*
- DNI Multi-Intelligence Working Group (MINTWG)

## Meeting Discussions

Dr. Morgan and Ms. Barbara Toohill 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. Ms. Toohill explained the role of the HS SEDI and its support to the Department of Homeland Security.

### Transfer of ICAHST Chair

Dr. Morgan turned the Chair of ICAHST over to Mr. Johnson with best wishes for success in the coming year. Mr. Johnson served as the DHS Intelligence and Analysis Acting Under Secretary for nearly a year and has previously served as the Director of Homeland Security and Law Enforcement (HSLE) within the Office of the Director of National Intelligence (ODNI), and has over 30 years of law enforcement experience, primarily with the New York State Police. I have attached Mr. Johnson's biography.

Mr. Johnson described his background and commitment to working with ICAHST and other Federal, State, local and tribal partners to enhance homeland security, counterterrorism, and law enforcement support. This includes the national fusion centers and other support activities assisting their missions, capabilities, and organizations, including information sharing, development of tools, and related research.

Mr. Johnson thanked Dr. Morgan for his service and presented him with a special plaque in recognition of his nearly three years as the ICAHST Chair. Dr. Morgan, on special detail from the National Institute of Justice as the Deputy Director for Science and Technology at the Department of Defense *Combating Terrorism Technical Support Office (CTTSO)*, plans to remain active in ICAHST activities as ICAHST Chairman Emeritus.

### ICAHST Future Priorities

Mr. Johnson described several future areas of emphasis for ICAHST activities, including:

- Maintaining the ICAHST Research Agenda
- Supporting DHS Intelligence Enterprise Integration and Collaboration Across:
  - Office of Intelligence and Analysis (I&A)
  - U.S. Citizenship and Immigration Services (USCIS)
  - U.S. Coast Guard (USCG)
  - Customs and Border Protection (CBP)
  - Immigration and Customs Enforcement (ICE)
  - Transportation Security Administration (TSA)
- Supporting the Nationwide Suspicious Activity Reporting (SAR) Initiative
  - Continue Information Sharing Focus with PM-ISE

- Supporting State and major urban area Fusion Centers
  - Assist in effectively engaging state/local/tribal partners
- Continuing high priority outreach and pilot activities

Mr. Johnson emphasized that he views ICAHST as a mutual partnership and would like to have input from ICAHST members on all activities. I have attached the slides used by Mr. Johnson.

### **Reflections from the Outgoing Chair**

Dr. Morgan thanked the members for the opportunity to serve as Chair. He cited the ability to create meaningful discussions across organizational boundaries and arrive at creative solutions to problems – blending technology with the human component – as a key component and accomplishment of ICAHST.

He also announced the official release of the Second Edition of the ICAHST Long Term Research Needs – essentially the research agenda for ICAHST. The purpose of this publication is to provide guidance regarding the research investments that will make our nation safer to everyone working on these important issues – at universities and laboratories, in private industry as well as public agencies. He also stated that he believes that the document serves as an example of cooperation and collaboration across the organizational boundaries of the many government agencies involved in its production. Not only did many ICAHST members participate in the deliberations for this document, but multiple agencies were involved in its production and printing.

This document describes twenty goals or “missions” that ICAHST members believe should be supported through continuing innovation in science and technology. The research needs, in no priority order, are presented as components of the classic intelligence cycle: collection, processing, analysis and dissemination.

Hard copies of this document were distributed at the meeting, and it is now available electronically on the ICAHST website. I have attached a copy for your convenience.

### **ICAHST Working Group Status:**

Mr. Frank Toomer, ICAHST Outreach Director, NRO, presented an update on current outreach activities, including the ICAHST membership efforts; the Civil Applications Committee (CAC), chaired by the US Geological Survey; and the NRO Law Enforcement / Homeland Security Technology Exchange Working Group (TEWG).

Mr. Toomer invited all ICAHST members to participate in TEWG activities. The next meeting of the TEWG will be held at FBI facilities at Quantico, VA from 10:00am to 12:00pm on Thursday 17 June. A SECRET Security clearance is required to enter the FBI grounds. If you are interested in attending, please contact Bob Hamburg at 703-808-3222.

The TEWG is also planning a visit with TS/SCI briefings at US Air Force (ADF-SW), El Paso Intelligence Center (EPIC) and the DoD Joint Task Force-North (JTF-N) during 22-23 June 2010. For additional information, please contact Mr. Toomer at 703-808-2328 or Mr. Kevin Lewis at 703-808-2125.

Mr. Toomer reported that the United States Geospatial Intelligence Foundation (USGIF) has joined ICAHST, as has the Las Vegas Arson and Bomb Squad. Mr. Toomer is also working with the National Fusion Center Association which has shown interest.

Mr. Toomer introduced an effort known as RAPIER (RAPid Image Exploitation Resource), under development by Ms. Heidi Buck from the Intelligence Surveillance and Reconnaissance Department of the Space and Naval Warfare (SPAWAR) Systems Center in San Diego. RAPIER provides commercial grade image processing and viewing capabilities for the image analyst. It has a plug-and-play interface for new detection, classification, and enhancement algorithms or for new data sources and is free to government users. Mr. Toomer has suggested a RAPIER

briefing at a future ICAHST meeting. I have attached an earlier set of slides used by Ms. Buck to describe RAPIER.

### **Technology Exploration Trips**

For the past several years, ICAHST 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 ICAHST members, Mr. Toomer will continue to pursue possible exploration venues. I have attached the slides used by Mr. Toomer.

### **ICAHST C-IED Symposium Planning**

It was also announced that planning is underway, in cooperation with various ICAHST members including the DHS Office for Bombing Prevention, to sponsor a third "Counter-IED Symposium and Exhibition," to 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. I will be in touch by email as plans progress.

### **ICAHST Website Videos**

Ms. Sonja Rodriguez, DHS/S&T, explained that DHS/S&T has been posting video and other content from various DHS sponsored webcasts and conferences on the Internet. Many of the presentations recorded at the recent ICAHST sponsored C-IED Symposium have been uploaded to the website allowing people to download the briefings and watch/listen to the speakers. These presentations came out very well and currently are available at:

<http://dhs.scienceandtechon.tv/2009.cied/09.12.01-03.cied.vodframe.html>

They will be linked from the ICAHST website at its next update.

### **Training Collaboration**

Dr. James E. Lantzy, CIA Enterprise IT Chief Learning Officer (CLO), described his efforts to develop a CLO collaboration "council" – perhaps as part of ICAHST – that would address the unique training issues facing DHS, law enforcement, and the Intelligence Community. Dr. Lantzy recently met with Dr. George Tanner, DHS/CLO, following up on a previous meeting with Mr. Martin and Mr. Toomer. Dr. Lantzy invited participation by interested ICAHST members and requested that they contact him at 571-280-0021.

### **ICAHST Support Activities 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 upcoming summer 2010 "Col Rare Event Game," being proposed with a bio-terror scenario. The event will be based on a 3-D virtual environment including:

- Utilizing Avatars
- Intelligent Network
- Game-Changing Innovations
- Social Network Analysis
- Cisco Intelligent Network
- Intel Corp Innovations
- Interoperability among agencies

The effort is being done at the DHS/S&T *Center of Innovation*, established in 2008 at the United States Air Force Academy in Colorado, and headed by Dr. Terry Pierce. The effort uses Air Force cadets who are researching and field testing various truly "game-changing" technologies, including cloud computing, for interagency collaboration and first responders.

This led to a discussion on efforts by the International Association of Chiefs of Police (IACP) and others to develop a nationwide broadband network to support fusion centers / first responders and the development of a specific set of user requirements – in particular for handheld devices. Mr. Zeller invited ICAHST members to participate in this effort and stated that there is much to be learned from this effort. I have attached the slides used by Mr. Zeller.

### ***United States Geospatial Intelligence Foundation (USGIF)***

Mr. Keith Masback, President, *United States Geospatial Intelligence Foundation* (USGIF), briefed details of their efforts to promote geospatial intelligence tradecraft across industry, academia, government, professional organizations and individual stakeholders. USGIF has recently joined ICAHST, enhancing the geospatial intelligence component within ICAHST activities.

Mr. Masback welcomed the partnership of ICAHST with his Foundation and invited our use of his many components and amenities, including their monthly publication, their facility in Herndon, and possibly partnering on conference production, including the use of his professional conference planners. He also invited ICAHST members to participate in their educational opportunities, including GEOINT 101.

He also invited members to participate in the annual GEOINT Conference, GEOINT 2010, to be held in New Orleans on 1-4 November 2010. The call for presentations at this event closes on 1 July.

For additional information, I have attached an information sheet on USGIF. The USGIF website is:

[www.usgif.org](http://www.usgif.org)

### ***PNSR Net-Enabled Information Sharing Environment (N-ISE) Proof of Concept***

Mr. John F. Morton and Mr. Joseph A. Watson from the Homeland Security Team of the *Project on National Security Reform* (PNSR) presented a briefing on their Information Sharing operational proof-of-concept. PNSR is a nonpartisan organization funded by Congress and the private sector to modernize and improve the US national security system to better protect the American people against 21st century dangers.

The objectives of this operational proof-of-concept include:

- Demonstrate measureable improvements in clarity and efficiency of user-defined intelligence/information access across fragmented systems
- Demonstrate functionality of multiple layers and depths of information security access controls
- Identify barriers to the system-of-systems approach for user-level information sharing
- Identify efficiencies and cross-discipline successes derived from improved information sharing efficiencies and accessibility

Attached is the final draft of the concept paper for the proof-of-concept. I have also attached the slides used by Mr. Morton and Mr. Watson.

### ***DNI Multi-Intelligence Working Group (MINTWG)***

Mr. Randy Borland, ODNI, gave a program overview of this Intelligence Community (IC) working group. The MINTWG is made up of seniors from across the IC that are chartered to foster collaboration and promote the use of “Multi-Intelligence” (Multi-INT) techniques. MINTWG membership includes CIA, DHS, DIA, FBI, NGA, NSA, and the NRO, with the DOE holding an associate membership. Responsibilities include:

- Promote interagency collaboration and Multi-INT techniques
- Administer and evaluate the Multi-INT “Experiment Program

- Recommend transition of Multi-INT activities
- Establish mechanisms to disseminate knowledge gained through Multi-INT experimentation

Chaired by Mr. John J. Miller, ODNI, the MINTWG will once again provide up to \$5 million dollars to fund experiments that will be “new, agile, and innovative strategies to combat ever-changing global issues.” Nominations for FY-11 awards are due 17 September.

It was noted that the ICAHST sponsored Technology Pilot that being pursued with the Los Angeles Police Department (LAPD) and the Los Angeles Sheriffs Department (LASD) using commercial technology to demonstrate the link between crime and terrorism may fit the MINTWG criteria and will be explored.

I have attached the MINTWG Data Call for FY-11 as well as the slides used by Mr. Borland.

#### **Next Meeting**

It was announced that the next quarterly Council meeting will be held at the Unclassified level on **Wednesday, 22 September 2010**, from 10:00am to 12:30pm. Please reserve that date on your calendars. In addition, Mr. Johnson has indicated that a conference call or other mechanism may be in order to prepare for the September 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. I will be in touch by email with specific details on the September 2010 meeting.

#### **Data Call:**

*Mr. Johnson has requested input from all ICAHST members on their views as to the direction and general “way-ahead” for this body. Viewing this effort as a full partnership, all comments are welcome and appreciated – including recommendations for specific areas of emphasis, projects, and suggested involvement of relevant organizations – in order to enhance homeland security, counterterrorism, and law enforcement support. I will be sending out a special email requesting this information soon.*

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 Director  
Interagency Council for Applied Homeland Security Technology

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