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**Sent:** Thursday, March 06, 2008 11:42 AM  
**To:** ICAHST Council Members (icahst@topsecret.net.com)  
**Cc:** Fredrick T. Martin (fredrick.martin@dhs.gov)  
**Subject:** Feedback from 5 March ICAHST Meeting

**Attachments:**

1. Attendee List 5 March 2008.pdf
2. Agenda 5 March 2008.pdf
3. Morgan Strategic Direction 5 March 2008.pdf
4. Lantzy RAWG Brief 5 March 2008.pdf
5. Blair IARPA\_RDEC Brief 5 March 2008.pdf
6. Project Fact Sheet Virtual Alabama.pdf
7. Geospatial Solutions Virtual Alabama Feb 2008.pdf
8. Walker RELRES 5 March 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 third *Interagency Council for Applied Homeland Security Technology* (ICAHST) Meeting on 5 March held in contracted space in support of the Department of Homeland Security (DHS) in downtown Washington, DC. In particular, we would like to thank our hosts for their hospitality and support – including Dr. John Hoyt, Research Director – Knowledge Management/Threat Assessment; Command Control and Interoperability Division; Science and Technology Directorate; as well as Cameron Hogan; Principal – Touchstone Consulting Group; SRA International, Inc.

Thirty eight Council members or alternates were in attendance from DHS, DOJ/NIJ, NCTC, NRO, NSA, DOE (Sandia and Savannah River National Laboratories); the US Marshals Service, the US Army Space and Missile Defense Command, the Technical Support Working Group, the Office of the Director of National Intelligence, and the Las Vegas Police Department; as well as adjunct representatives from the University of Southern California / Information Sciences Institute, the Johns Hopkins University / Applied Physics Laboratory, and the *Alliance for Homeland Security Innovation* (AHSI), a joint effort of the National Center for Simulation (NCS) and the Homeland Protection Institute (HPI). 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 an overview of the strategic direction of ICAHST by the Chair, Dr. John S. Morgan; updates/status of the two ICAHST Working Groups (Civil Liberties and Research Agenda) – including feedback from the recent Las Vegas Technology Trip; as well as a number of briefings/discussions of interest to the ICAHST Coalition, including:

- “Virtual Alabama” (State of Alabama project to access new technologies in 3D visualization)
- “Intelligence Advanced Research Projects Activity” (IARPA) and the RDEC (Research Development and Experimental Collaboration) Program
- “RELRES” (NSA law enforcement application using cross referencing software)

**Meeting Discussions**

Dr. John D. Hoyt, DHS/S&T Research Director, welcomed the ICAHST members to DHS and this meeting. With the large number of new participants, Dr. Hoyt then asked each person to briefly introduce themselves and their organization.

### **ICAHST Strategic Direction from the Chair**

Dr. Morgan discussed the background, objective, and scope of ICAHST, including a strong focus on law enforcement information sharing at the state/local level as well as some next steps for ICAHST in the coming months. He reiterated that ICAHST can help to ensure that needed information and technology gets into the hands of state/local law enforcement. Dr. Morgan cited five primary components to his vision for ICAHST in the near term:

- Revise/update ICAHST Research Needs document
- Focus on collaboration with State/Local entities
  - Meet with innovative police chiefs
  - Address ability to analyze and build information and develop sources
  - Adapt successes from the ICAHST Coalition
- Expand ICAHST membership
- Sponsor pilots collaboratively
- Continue to conduct outreach activities

He explained that the next steps included meeting with various Chiefs of Police; briefing the *Major Cities Chiefs Association* in June; and sponsoring joint pilots with ICAHST. He encouraged all agencies with an interest in working with State/Local law enforcement to be part of this process.

The concern as to whether ICAHST should be addressing policy issues other than privacy and civil liberties was discussed. It was agreed that an action would be taken by Dr. Morgan to explore this concern with the White House *Office of Science and Technology Policy* (OSTP) – starting with the OSTP Assistant Director for Homeland Security, who has attended ICAHST meetings in the past.

For additional detail, please refer to the slides used by Dr. Morgan, which I have attached.

### **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, who 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, was unable to attend this session. However, on behalf of Mr. Sand, it was reiterated that the overall strategy is to apply the DHS structured privacy, civil rights/liberties compliance process to the operation of ICAHST Research Agenda Working Group (RAWG) projects to ensure that all research projects that use “*personally identifiable information*” (PII) will also contain the required privacy/civil liberties protections. Several potential pilot efforts are under development by the RAWG and are now being considered for this process.

In addition, Mr. Timothy Edgar, who works with Alex Joel in the ODNI Civil Liberties Protection Office, cited the recent ODNI report to Congress on data mining as a document of interest to all ICAHST members. In this report, dated 15 February 2008, ODNI discloses the data mining activities of the Intelligence Community as required by the *Federal Data Mining Reporting Act of 2007*. The report can be found at:

[http://www.odni.gov/reports/data\\_mining\\_report\\_feb08.pdf](http://www.odni.gov/reports/data_mining_report_feb08.pdf)

I have attached a copy of this report for your convenience.

### **Research Agenda Working Group (RAWG) Status:**

Mr. James Lantzy, the NCTC Deputy Chief Technology Officer, gave a presentation on the status of this working group. He stressed that progress is being made in each of the seven RAWG committees. For background information, the seven committees are:

**1. ICAHST Research Needs; Chair:** Chris MacKenn (TSWG)

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

**2. ICAHST Collaboration Environment; Chair:** Herb Engle (DHS)

**Purpose:** To develop a pilot ICAHST Collaboration Workspace/Website

**3. Identity Management Research; Chair:** Herb Engle (DHS)

**Purpose:** To define the problem set, explore ongoing efforts, and determine feasibility of developing a proof-of-concept pilot for Identity Management

**4. 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

**5. Analytical Tool Research; Chair:** Sherry Mahafza, US Army (SMDC)

**Purpose:** To define the problem set, explore ongoing efforts, and determine feasibility of developing a proof-of-concept pilot or set of pilots for analytical tool research, including collaborative environments that allow information sharing and the application of analysis tools to mutual homeland security and counterterrorism problems

**6. 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

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

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

It was reiterated that additional members are needed and welcome in every committee.

**RAWG Committee Updates:**

Specific RAWG committee updates to the Council included:

**1) ICAHST Research Needs**

Shauna Yakobi (TSWG) and PJ Henry (NIJ) discussed the efforts to update the existing ICAHST Long Term Research Needs document. The plan is to merge ICAHST needs with two existing documents – NIJ Requirements Document and the current DHS/S&T High Priority Technology Needs Document – to emerge with a single document that meets the needs of the ICAHST Coalition. It was agreed to continue to focus ICAHST research needs within the original information technology domain. The committee also is working with DHS/S&T to post these various documents as well as the needs survey on the upcoming ICAHST website.

**2) ICAHST Collaboration Environment**

A key premise of ICAHST – which has no direct research funding – is to collaboratively maximize information sharing of homeland security related research, tools, techniques, technologies, and prototypes through partnerships with other agencies. As an example of this, the development of the ICAHST website was undertaken by DHS/S&T as a test pilot of their project known as the "Interagency Collaboration Network" (ICON). Committee Chair Mr. Herb Engle, DHS/S&T, explained during his update that although the ICON project was being discontinued, efforts to

develop the ICAHST website would continue. Plans are now underway to begin posting material on a test website including ICAHST general information as well as material related to the Research Needs effort.

### **3) Protected Computing Environments**

Committee Chair Mr. Blair Deem, US Marshals Service, gave an update on this committee. He explained that they were continuing ongoing efforts in the development of joint proof-of-concept pilots using the Blackberry device. It was recommended that DHS efforts in this arena be briefed at the next ICAHST meeting.

### **4) Analytical Tool Research**

Committee Chair Dr. Sherry Mahafza discussed the approach of this committee. She explained that the committee – working closely with DHS/S&T – is in the process of identifying current analytical tools being used, including gaps and shortfalls, and matching capabilities to specific requirements.

### **5) Technology Benchmarking**

Mr. Lantzy reiterated that technology exploration trips constitute 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. The initial technology trip was held in January 2008 and included:

- Visit to Las Vegas Police Department/Las Vegas Sheriff's Department (LVMPD) including orientation, discussions, and tour of their Command Center
- Visit to IBM Laboratory responsible for next generation identity analytics
- Gaming industry briefings and a tour of the Bellagio Casino Surveillance Room and its use of next generation identity analytics

Mr. Lantzy is currently developing a listing of future technology trips and other outreach activities, which will include a visit to the DOE Pacific Northwest National Laboratory (PNNL) sponsored in conjunction with DHS/S&T.

### **6) ICAHST Industry Day/Conference**

The use of conferences in promoting the goals of ICAHST was discussed. It was explained that several upcoming conferences can provide outreach to a broader law enforcement community. We are exploring the idea of getting ICAHST on the agenda or hosting separate ICAHST sessions at key upcoming law enforcement venues to include:

- The National Institute of Justice Applied Technologies Conference in Point Clear, AL; 18-20 March; See: <http://www.ojp.usdoj.gov/nij/events/applied-technologies/welcome.html>
- The 32th Annual International Association of Chiefs of Police (IACP) Law Enforcement Information Management Section (LEIM) Conference in Nashville, TN; 6-10 May 2008; See: <http://www.iacptechnology.org/LEIMConferences2008.html>
- The Major Cities Chiefs Association Summer Meeting in Sun Valley, ID; 10-11 June 2008; See: <http://www.majorcitieschiefs.org/conference.shtml>
- The 115<sup>th</sup> Annual Conference and Exposition of the International Association of Chiefs of Police (IACP) in San Diego; 8-12 November 2008 See: <http://www.theiacpconference.org/>

In addition, other conferences were mentioned of interest to ICAHST members, including:

- IARPA Incisive Analysis Research Program Conference in Orlando, FL; 29 April – 1 May 2008; See: <http://www.ncsi.com/iarpa08/index.aspx>. (Requires password – contact: Stephanie Caplan at NCSI: 301-596-8899)
- DOJ/Bureau of Justice Assistance (BJA) Fusion Center Conferences (by invitation only)

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

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

### **Intelligence Advanced Research Project Activity (IARPA): Research Development and Experimental Collaboration (RDEC)**

Mr. T. Michael Blair, Director of the *Research Development and Experimental Collaboration (RDEC)* Program within the Office of the Director of National Intelligence (ODNI), gave a presentation describing the *Intelligence Advanced Research Projects Activity (IARPA)* organization within the ODNI, and specifically the RDEC Program. He explained that IARPA is an independent ODNI activity reporting to the Assistant Director of National Intelligence for Science and Technology and is tasked with creating “new solutions to hard intelligence problems.” IARPA encompasses the ODNI *Disruptive Technology Office (DTO)*, the CIA *Intelligence Technology Innovations Center (ITIC)*, and the NGA *National Technology Alliance*.

The RDEC facility, known as “GENEVA,” is a SCIF located within the Applied Physics Laboratory of the Johns Hopkins University, near Columbia, Maryland. This is the same SCIF that originally served as the DHS funded laboratory for the earlier “Interagency **Center** for Applied Homeland Security Technology.”

Mr. Blair explained that the RDEC Program “rapidly researches and evaluates emerging analytical applications, advanced techniques and un-vetted technologies by assisting real analysts to examine real operational problem sets and by using copies of actual classified data in a collaborative experimental environment.” He cited four focus areas:

- Rapid Technology Evaluations
- IC Collaboration and Information Sharing
- DNI Architecture and Piloting
- Requirements and Transition Support

Mr. Blair cited one of the major accomplishments of RDEC – a “Tool Knowledge Repository.” This repository contains applicable information of the tools under consideration by RDEC, including specific evaluations with experimentation and application information. An unclassified version of the RDEC “Tool Knowledge Repository” is available on *Intelink*, the intranet of the US Intelligence Community. Mr. Blair offered to post a version of the repository on the ICAHST website – an offer that was quickly accepted.

For your convenience, I have attached the slides that were used by Mr. Blair.

### **NSA Law Enforcement Technology: RELRES**

Mr. Frederick Walker, NSA Special Agent, division director within the Office of the NSA Associate Director for Security and Counterintelligence, was called away at the last minute and unable to give his presentation on a classified law enforcement application of RELRES (an abbreviation for “Relationship Resolution”). RELRES is now an IBM product and an extension of “NORA” – an acronym for “Non-Obvious Relationship Awareness.” RELRES/NORA is a cross-referencing technology that mines data resources to determine the relationships between people. The original NORA was created for the gaming industry to help casinos detect conflicts between customers and parties named as “excluded persons.” Special Agent Walker has developed a classified law enforcement application of RELRES that he demonstrated at NSA to ICAHST members on 27

February. The RAWG plans to determine the feasibility of developing a proof-of-concept RELRES pilot or set of pilots using law enforcement and/or counterterrorism data.

I have attached the slides that Mr. Walker had planned to use in his presentation. In addition, he is scheduled to provide this information in a presentation at the 18-20 March National Institute of Justice "Applied Technologies Conference" in Point Clear, Alabama.

#### **"Virtual Alabama"**

Dr. Hoyt presented an informational overview of this effort, which is an example of the value of collaborative partnerships. *Virtual Alabama* is a project initiated by the Alabama Department of Homeland Security in 2005 that is designed to take advantage of technology advances in 3D visualization. It is an Internet based visualization tool that uses existing state imagery and infrastructure data to assist decision makers and first responders by transforming large amounts of data into useful information. *Virtual Alabama* became operational in 2006, and now has hundreds of users and contains imagery from all Alabama counties. The Assistant Director of Science and Technology for the Alabama Department of Homeland Security, Norven Goddard, is a participant in ICAHST activities.

For a good overview of *Virtual Alabama*, Dr. Hoyt suggested reading a recent article by Art Kalinski which appeared in the "GeoIntelligence Insider," published by Geospatial Solutions, entitled, "The Holy Grail of GIS in Alabama?" I have attached a copy of the article.

Additional information can be found on the *Virtual Alabama* website:

<http://www.virtual.alabama.gov/>

For your convenience, I have attached the *Virtual Alabama* "factsheet" posted on their website, providing additional detail.

#### **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 June 2008 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