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Sent: Thursday, June 21, 2007 3:05 PM
To: ICAHST Steering Group
Cc: Fredrick T. Martin
Subject: Feedback from 20 June ICAHST Meeting

Attachments:

1. Attendees 20 June 2007.pdf
2. Valenta Perspective from the Chair 20 June 2007.pdf
3. Draft ICAHST Charter.pdf
4. ICAHST Talking Points.pdf
5. CLWG Brief Sand 20 June 2007.pdf
6. RAWG Brief Lantzy 20 June 2007.pdf
7. SME PED Brief Wedekind 20 June 2007.pdf
8. VMC Brief Kranz 20 June 2007.pdf

To all –

On behalf of Mr. William Spalding and Ms. Karen Valenta, I would like to thank all of you who came to the fifteenth *Interagency Center for Applied Homeland Security Technology* (ICAHST) Ad Hoc Coalition Meeting and the first *Interagency Council for Applied Homeland Security Technology* (ICAHST) Meeting on 20 June held at the Joint Demonstration Center (JDC) of the National Reconnaissance Office (NRO). In particular, we would like to thank our hosts for their hospitality and support – including Dr. Pete Rustan, NRO Deputy Director for Advanced Systems and Technology; Mr. Frank Toomer, NRO IMINT Coordinator for Homeland Security; and Mr. John Fulton, Director of the NRO Futures Laboratory.

Thirty seven Council members or alternates were in attendance from DHS, NCTC, NRO, NSA, DIA, the Department of Justice, the State Department, the US Marshals Service, and the Technical Support Working Group; as well as adjunct representatives from the US Army Space and Missile Defense Command, 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 Purpose

Primary discussions at this meeting included a presentation by both the ICAHST Chair and DHS on their perspectives on the reformulated ICAHST, including the new draft Charter; updates/status of the two ICAHST Working Groups (Civil Liberties and Research Agenda); a briefing of a new community-wide collaboration tool under development by the NRO Futures Lab; a briefing of next generation portable encrypted communications handheld devices under development at the National Security Agency; as well as other discussions of interest to the ICAHST Coalition. At the conclusion of the meeting, a tour of the NRO Futures Lab and a demonstration of the NRO “Virtual Mission Center” were provided for interested Council participants cleared at the SI/TK level.

Meeting Discussions

Ms. Valenta, the ICAHST Chair, Dr. John Hoyt, the DHS ICAHST sponsor, Mr. John Fulton, the NRO Futures Laboratory Director, and Mr. Frank Toomer, the NRO/IMINT Homeland Security Coordinator all welcomed the ICAHST members to the NRO and the Joint Demonstration Center. With a large number of new participants, Ms. Valenta then asked each person to briefly introduce themselves and their organization.

Providing a special welcome to the NRO and the NRO Futures Laboratory was Dr. Pete Rustan, the NRO Deputy Director for Advanced Systems and Technology (AS&T). He thanked all attendees and said that he was particularly pleased to see so many NRO partners from across the Intelligence, Homeland Security, Law Enforcement, and Counterterrorism communities. He reiterated his support for this type of community-wide research effort, and said that particular attention should be given to ensuring a quick follow-up on all actionable items resulting from this session – maximizing leverage of US Government funds applied to research in these areas. He encouraged everyone to examine the NRO/AS&T “Virtual Mission Center,” which he considered a good candidate for an ICAHST sponsored pilot.

ICAHST Perspective from the Chair

Ms. Karen Valenta, NCTC Deputy CIO and ICAHST Chair, and Mr. James Lantzy, NCTC Deputy CTO gave a presentation on the background, objective, scope (key functions), current membership, and next steps for the ICAHST – as part of the perspective from the Chair for the new reformulated ICAHST. Ms. Valenta stressed the importance of this body to the homeland security / counterterrorism community as well as reiterating the need for effective, continuing support from ICAHST participants. NCTC has been a key principal in ICAHST activities in the past and plans to continue that support in the future as part of the reformulated Council.

The overall ICAHST mission is to promote interagency awareness and foster collaboration among research, development, test and evaluation activities addressing information technology challenges in support of homeland security and counterterrorism programs. End users include state, and local partners, addressing information technology challenges across and beyond traditional IC classification levels and sources.

Key functions of the Council will include:

- Provide a strategic discussion forum for the benefit of ICAHST participants
 1. Develop a common vocabulary to discuss information technology needs
 2. Share awareness and understanding of the needs of each member
 3. Share information on efforts to address needs of members, including lessons learned from development, evaluation, and deployment of new systems
 4. Enhance effectiveness of government resources to address technical challenges by awareness and collaboration
- Communicate the aggregate homeland security information technology needs to industry and academia to encourage broad participation in developing solutions
- Address broad homeland security and counterterrorism issues relevant to ICAHST operations
- Recommend reconciliation of any major differences among stakeholder equities

Mr. Lantzy stated that he anticipated that the next ICAHST Council meeting would be held near the end of the next calendar quarter, in September 2007. For additional detail, please refer to the slides used by Ms. Valenta and Mr. Lantzy, which I have attached for your convenience. I have also attached their ICAHST “Talking Points” document, which provides additional detail of the new ICAHST perspective from the Chair.

ICAHST Perspective from DHS

Dr. John Hoyt presented a quick overview of his projects and activities as DHS Research Director of Knowledge Management and Threat Assessment within the Command Control and Interoperability Division (CID) of the Science and Technology Directorate, including the ICAHST effort. He explained that his vision for the reformulated ICAHST was analogous to the long standing “INFOSEC Research Council” (IRC), which is a collaborative research exchange addressing the needs of the INFOSEC community. The IRC consists of US Government sponsors of information security research from the Department of Defense, the Intelligence Community, and a large number of Federal Civil Agencies. For additional information on the IRC, please refer to their website:

<http://www.infosec-research.org>

Dr. Hoyt explained that DHS supports the reformulation of ICAHST as a Council that would provide its membership with a community-wide forum to discuss critical issues as well as convey the research needs of the respective membership. To demonstrate this support, and to ensure that ICAHST has an opportunity to succeed, he stated that DHS would fund the new Council for its initial year, i.e., FY-08.

Discussion on Draft ICAHST Charter

Ms. Valenta and Dr. Hoyt then explained that a new ICAHST Terms of Reference or Charter has been drafted to implement ICAHST reformulated as a Council. The new draft charter is short, and was patterned after the IRC Charter. The text of the Charter is as follows:

The Interagency Council for Applied Homeland Security Technology (ICAHST) consists of US Government sponsors of homeland security and counterterrorism information technology research from the Department of Homeland Security, the Defense Department, the Intelligence Community, various Law Enforcement Agencies, and Federal Civil Agencies. The ICAHST provides its membership with a government-wide forum to discuss critical homeland security and counterterrorism issues related to information technology, convey the technology research and development needs of their respective communities, and describe current research and development initiatives, pilot experiments and proposed courses of action for future research investments. By participating in the ICAHST, coalition sponsors obtain and share valuable information that will help focus their homeland security research programs, identify potential interagency collaboration opportunities, identify high-leverage, high-value research targets of opportunity, and minimize duplication of research. The ICAHST will be a collective effort for the mutual benefit and collaboration of the participating organizations and is intended to promote intelligent homeland security and counterterrorism research investments. While it is understood that each participating agency will have its own research priorities, it is anticipated that the ICAHST will be able to identify high priority areas of research to develop a common, shared appreciation of the important and challenging homeland security and counterterrorism problems of the day.

Ms. Valenta and Dr. Hoyt have requested suggestions or comments and concurrence / non-concurrence on this new charter from ICAHST participants. Please forward any input to me by **Tuesday, 31 July**. We will present the finalized Charter at our September Council meeting. For your convenience, I also have attached a soft copy of the new charter.

Civil Liberties Working Group (CLWG) Status:

On behalf of the CLWG co-chairs – Mr. Alex Joel, the ADNI for Civil Liberties Protection in the Office of the Director of National Intelligence, and Mr. Peter Sand, from the DHS Privacy Office – who were unable to attend, the undersigned gave an update on the activities of this working group. It was reiterated that this working group was charged with the development of a government approved set of policy guidelines for research activities undertaken by ICAHST. To leverage similar efforts underway across government, it was explained that the working group was interfacing with other agencies in order to identify privacy and civil liberty issues. The goal is to build a comprehensive set of privacy protection rules that would apply to a broader constituency than the ICAHST Coalition.

Substantial progress has been made, and Mr. Joel and Mr. Sand plan to continue their participation in the reformulated ICAHST. A set of three privacy compliance documents have been developed: a short form – *Privacy Threshold Analysis* (PTA); a longer form – the *Privacy Impact Assessment* (PIA); and a legal form – the *System of Records Notice* (SORN). The initial privacy compliance review uses the PTA to identify any potential privacy protection issues related to the project. Then, based on the results of the PTA, the DHS Privacy Office may require the project to complete a PIA to identify how the project addresses the specific privacy protection

issues identified through the PTA. The PIA drives the applicability of the SORN which further documents the privacy protections related to the project. Hence, according to Mr. Sand, the *Privacy Compliance Process* flows through four stages:

1. *Initial Contact and Coordination*

The first stage identifies the project and determines the applicable level of privacy compliance analysis and documentation. The Privacy Threshold Analysis documents the results of this stage.

2. *Collaboration and Development*

The second stage integrates the applicable privacy compliance analysis and documentation into the development of the technology project to ensure that privacy protections are included in the set of business requirements and, ultimately, in the design and deployment of the technology project. The Privacy Impact Assessment and System of Records Notice document the results of this stage.

3. *Reporting*

The third stage reports on the status of privacy compliance analysis and documentation related to each project and the overall DHS system inventory. Department-level reporting to the Office of Management and Budget documents the results of this stage.

4. *Auditing*

The fourth stage analyzes the technology project's incorporation and performance of all applicable privacy compliance requirements. Specific audit reports document the results of this stage.

Example forms along with the PIA guidance explaining the various sections of the form can be found on the DHS Privacy Office website:

www.dhs.gov/privacy

Other ICAHST Coalition organizations are invited to join this Working Group. For your convenience, I have attached the slides that were forwarded by Mr. Sand.

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. (Mr. Lantzy and Mr. Jack Lucas, DIA, are the co-chairs of the RAWG.) Mr. Lantzy reiterated that the working group has a three-fold charge: 1) Vet and recommend current research and development initiatives, pilot experiments, and proposed courses of action for future research investments; 2) Advise the Council on ICAHST concepts, processes, and collaborative approaches; and 3) Encourage State/Local/Tribal participation and information sharing.

Mr. Lantzy also explained that the RAWG, in its process to vet technology for recommendation to the Council, will continue to use a scientific, business case approach (Quantitative Model). In addition, the RAWG will continue to advise the Council on other matters as requested.

He stated that he plans to call a formal RAWG meeting in July to discuss RAWG recommendations, including the possibility of ICAHST sponsored pilots for a "Portable Electronic Device," and perhaps an analytical tool prototype analogous to the VMC system. In addition, Mr. Lantzy plans to employ broad-based interactive information spaces to support the ICAHST effort. Mr. Lantzy plans to ensure the activation of a formal ICAHST unclassified website in the near future. In addition, various other interactive Web tools, including peer-to-peer collaborative work spaces such as Wikis and Blogs, are being considered. These tools offer the potential for significant gain as they allow continuous awareness and efficient sharing of all ICAHST activities.

Mr. Lantzy also invited other ICAHST Coalition members to join the working group, which currently has members from NCTC, NRO, FBI, ODNI, DHS, and DOJ. Several additional

members have agreed to participate, including the Technical Support Working Group and the US Marshals Service. Other interested members can contact the undersigned to be added to the RAWG participant roster.

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

“Secure Mobile Environment – Portable Electronic Device” (SME PED) Briefing:

Mr. Mark R. Wedekind, assisted by Mr. Robert Nowak, from the NSA/C31 SME PED Program Office, presented an overview briefing of the Secure Mobile program and discussed the development of two mobile phone prototypes for secure and non-secure communications, both with GSM (Global System for Mobile Communications) capabilities.

One phone is being developed by General Dynamics (GDC4S), and the other phone is being developed by L3 Communications Systems. The phones provide unclassified and classified communications (via a STU/STE connection to the SIPRNET) for voice, email, and browser capabilities. The L3 phone requires rebooting to switch modes, while the GE phone has a built in KVM-like capability for switching between secure and non-secure modes. The phones are currently being piloted for operational use with anticipation for full production in the near-term. NSA certification for the General Dynamics version is expected by August, and certification for the L-3 version is anticipated by December 2007.

The “Portable Electronic Device” is a sought-after capability of interest to many ICAHST members, including DHS, NCTC, NRO, and the FBI. This effort is being studied by Mr. Lantzy and the RAWG and is considered a good candidate for an ICAHST sponsored pilot. For additional detail, please refer to the slides used by Mr. Wedekind, which I have attached.

“Virtual Mission Center” Briefing:

Major Ken Kranz presented an unclassified version of the “Virtual Mission Center” (VMC) briefing on behalf of Mr. David Lee, Deputy Director of the NRO Futures Laboratory, who was unable to attend the meeting. The VMC effort, being developed by the NRO in cooperation with the Office of the Director of National Intelligence (ODNI), is a new Community-wide collaboration prototype with counterterrorism capabilities including chat, web conferencing, artificial intelligent data mining, analysis, and visualization. MAJ Kranz explained the background, features, and architecture of this project, including the project schedule. Mr. Fulton has expressed interest in exploring the possibility of using NCTC data or analogous data in the VMC prototype, so it also is being considered as a candidate for an ICAHST sponsored pilot. At the conclusion of the ICAHST meeting, Mr. David Lee presented a VMC demonstration for interested SI/TK cleared attendees.

I have attached a copy of the releasable slides used by MAJ Kranz.

Next Meeting

We anticipate that future Council meetings will occur on a quarterly basis, with various sub working groups meeting as frequently as required. Council meetings will be held at the Unclassified level at various locations to be determined. The Council will meet again around the end of September, depending on working group efforts. 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