

**Department of Homeland Security (DHS)
Science and Technology Directorate (S&T)
Homeland Security Science and Technology Advisory Committee (HSSTAC)**

June 8, 2017
Committee Meeting
Location: Teleconference
Minutes

Summary: About 26 people attended the meeting via conference call (please see list below).

June 8, 2017

1. CONVENE AND OPENING

The Homeland Security Science and Technology Advisory Committee (HSSTAC) Designated Federal Officer, Michel Kareis, convened the meeting at 2:00 p.m. Kareis welcomed the committee members to the HSSTAC Quarterly meeting. She provided an overview of the agenda and notification that the meeting was public. The HSSTAC members introduced themselves followed by all of the observers in attendance.

2. QUADRENNIAL HOMELAND SECURITY REVIEW SUBCOMMITTEE

Michel Kareis provided an overview on the white papers that were created at the request of the Office of Policy. The paper contributors included the following people:

Artificial Intelligence and Homeland Security

Dr. Jim Hendler, Subcommittee Chair; Mr. Byron Collie, Dr. Mark Dean, Mr. Dan Dubno, Dr. Steven Flynn, Mr. Mark Maybury, Mr. Gary Schenkel, Dr. Christina Williams, Dr. Ted Willke.

The Human Factor and Homeland Security

Dr. Anne McKee.

Cybersecurity and Homeland Security

Dr. Vincent Chan, Subcommittee Chair; Mr. Byron Collie, Mr. John Sims, Mr. William Crowell, Lt. General Harry Raduege, USAF (Ret), Dr. Ted Wilke.

Chemical, Biological, Radiological, Nuclear Detection and Homeland Security

Dr. Eric C. Haseltine, Subcommittee Chair; Dr. James Decker, Dr. Marian Greenspan, Mr. Philip Coyle, Dr. Michael Goldblatt, Dr. Kathie Olsen, Dr. Gerald Parker.

Autonomous Technology and Homeland Security

Mr. Daniel Dubno, Subcommittee Chair; Dr. Stephen Flynn; Dr. Yacov Haimen; and Mr. Byron Collie.

Adaptive Manufacturing and Homeland Security

Mr. Byron Collie, Subcommittee Chair; Dr. Gerald Parker; Dr. Yacov Haimen; and Mr. Daniel Dubno.

Kareis continued to add that the whitepapers are intended to be included in the Quadrennial Homeland Security Review 2018 as an appendix. The whitepaper topics were presented at the Tenth Annual Homeland Defense & Security Education Summit on the 24th of March 2017 by the HSSTAC members. More information can be found here: <https://www.uapi.us/programs/2077>

The Office of Policy would really like to continue engagement with the HSSTAC in the future.

3. Internet of Things Smart Cities Report

Dr. Vincent Chan, Co-Chair, Subcommittee on Internet of Things Smart Cities reviewed the original charter and objectives for the subcommittee. Security is a serious issue for public safety and infrastructure. What do we do to make it useful? We must work to protect it especially when dealing with autonomous vehicles, attacks on systems, and the increasing capability of adversaries. S&T needs to look at new applications to increase public safety. How do we use what we have to get around vulnerabilities?

4. Committee Vote on the Internet of Things Smart Cities report

There was no opposition to the report recommendations being presented to the USST. Motion carries

5. HSSTAC SUBCOMMITTEE UPDATES

Dr. Ted Wilke, Chairman of the Subcommittee on Commercialization, provided an update on the work that has been done since the November meeting. The subcommittee received a letter from Dr. Bob Griffin, Acting Under Secretary for Science and Technology, spelling out the mission and scope for the subcommittee. The commercialization sub-committee is focusing on technology transfer and transition to components and first responders. The intent is to have better life cycle outcomes, requirements, procurement technology and to fill gaps where there are unmet needs.

One ask for the full committee is that if any HSSTAC members know the right stakeholders to reach out to for assistance with the report to let Dr. Wilke know.

Willke went on to elaborate on gaps. Willke stated that as a recommendation, DHS should take a role in setting requirements and facilitating standards to help alleviate some of the repetition. There needs to be more community outreach. In the report the subcommittee addresses the issue of new technologies by 3rd parties and how they are vetted to determine if they meet requirements.

Sarah Pearlstein, Program Manager, Subcommittee on Social Media Working Group provided an update on the subcommittee since November. The HSSTAC voted to approve the report, *Best Practices from Incorporating Social Media in Exercises*. The purpose of the report is to provide first response agencies with best practices based on case studies and how they can integrate social media into the planning, conducting, and evaluating exercises that they conduct. The final draft will be sent to the Under Secretary for Science and Technology for review.

At the last meeting the subcommittee received a presentation on information system and crisis management response (ISCRAM) an international group that fosters R&D and knowledge exchange, to include social media. And finally, the work that this subcommittee has been doing will be allowed to continue under its own federal advisory committee.

ADJOURN: Kareis adjourned the meeting at 3:19 p.m.



9/19/2017

Signed: Vincent Chan, HSSTAC Co-Chair

Date



9/16/2017

Signed: John Sims, HSSTAC Co-Chair

Date

MEETING ATTENDEES:

**Keith Bryant
Vincent Chan
Byron Collie
Philip Coyle
Mark Dean
Daniel Dubno
Jay Farr
Steven Flynn
Michael Goldblatt
Marian Greenspan
Eric Haseltine
Yacov Haimes
James Hendler
Mark Maybury
Kathie Olsen
Harry Raduege
Jim Schwartz
John Sims
Christina Williams
Ted Wilke**

Others

**Michel Kareis
Gretchen Cullenberg
Christy Anderson
Tyeshia Roberson
Sarah Pearlstein
Steve Peterson (SMWGSC member)**

NOTE: All meeting materials are posted at <http://www.dhs.gov/st-hsstac>. No handouts were distributed during the meeting.