

TSAG Meeting Summary
Monday, Aug. 20th, 8:00-Noon
Minneapolis, MN

Participants

Dia Gainor
Ted Delbridge
Skip Yeakel
Nancy Pollock
Mike Brown
Dan Dytchkowskyj
Rick Comerford
Tom West
Jim Pollack
T.J. Nedrow
Jill Ingressia
James Witherspoon
Kevin McGinnis
Elina Zlotchenko
Pat Noyes
Lisa Fontana Tierney

I2R Project Update – Pat Noyes (presentation to be posted on TSAG website soon)

- Project goals
 - Improve safety through situational awareness
 - Reduce risk during high-risk operations
 - Enhance delivery of life-saving services
- Approach
 - Bring together thought leaders to consider responder needs and technical capabilities using virtual meeting capabilities
 - Identify priority technologies – existing, emerging and future
- Final products
 - Technical memo outlining research and development needs
 - Whitepaper summarizing findings
 - PowerPoint presentation with speaker notes
 - Boilerplate article that can be adapted to different disciplines with examples
- Schedule
 - Literature Review/Define Expert Panel Members - SEPT
ACTION: All members should provide input on additional sources of literature and potential panel members by **Thursday, Sept 6th**. Refer to August 30th Reminder Email for more details on this request.
 - Conduct Expert Panel Meeting – SEPT or early OCT
ACTION: All members should respond to the survey to schedule workshop by **Thursday, Sept 6th**. Refer to August 30th Reminder Email.

- Final Products – DEC 2018
- Webinar – JAN 2019
- Feedback from group on additional literature and expert panel suggestions
 - Integrated Public Alert and Warning System (IPAWS) – geofencing
 - ESRI GIS
 - TRB study on floodcast
 - Include communication centers
 - Panasonic – Chris Armstrong (Jim M.)
 - Cisco – MEC (Jim M.)
 - NENA – IoT integration paper (Nancy)
 - Verizon Smart City (Jim M.)

AACN Project Update - Pat Noyes (presentation to be posted on TSAG website soon)

- Project goals
 - Review the benefits of AACN
 - Identify current and future opportunities for AACN deployment
 - Identify and address institutional challenges to implementing AACN
- Products
 - Whitepaper
 - PowerPoint presentation
 - Boilerplate article
- Schedule
 - Review Current literature – complete in Nov 2018
 - Outreach to industry reps – complete in Nov 2018
 - Identify case studies and develop recommendations – complete in Dec 2018
 - Develop final products – complete in Feb 2019
 - Present final webinar – March 2019
- Feedback from group on AACN literature
 - TSAG NextGen 911
 - CDC study on the value of information/data (Dia)
 - Wyoming DOT – Kate Hartmen
 - AASHTO pooled fund study – Iowa State lead – Castle Rock consultants

FirstNet – Kevin McGinnis (presentation to be posted on TSAG website soon)

- FirstNet from an EMS perspective – IoLST (Internet of Life Saving Things)
- Communication hasn't changed that much since the 1970s. Now moving from voice to data-based communication. Voice communications much higher probability of miscommunications/errors in translation of information
- AACN – algorithms for severe injury prediction – dispatch helicopter and extrication – potential for the future. Passes in on to PSAP and then goes around PSAP to responders
- Other potential innovations: EMS UAS/drone use, Emergency tele-paramedicine, two-way telemedicine (Virtual MD/community paramedicine), portable ultra sound (video & image)
- FirstNet created in 2006 to build nationwide public safety broadband network with AT&T as a private partner

- FirstNet Responder Network Authority – Public oversight –firstnet.org; 50,000+ agency subscribers; FirstNet app store - firstnet.com
- NG911 implications
 - 911 lacks uniformity state-to-state
 - APCO project 43
 - NG911 Coalition – 2020
 - National 911 Program (USDOT/NHTSA/OEMS)
 - ICERT – vendors
 - APCO/NSA
 - Contact lens monitoring
 - Mobile integrated medicine – triage nurse

Public Safety and Device to Device Communications - Andy Thiessen, Institute for Telecommunication Sciences (presentation to be posted on TSAG website soon)

- Worked with public safety communications for years, now working with DOT on V2V communications;
- Public Safety is far more inclusive than emergency responders. Also includes:
 - Hospitals and medical services
 - Governmental agencies (DOT, National Guard, courts, penal system)
- Need for device to device communication
- Limitations on land mobile radio networks
- Legacy stovepipe system
- Transformation to common technology through LTE through FirstNet
- Device to device evolution – V2V communication is expanding
- Samsung is the only device-to-device capable phone, V2V opportunities are much larger
- Device-to-device is a solution looking for a problem with limited market

Presentation to ITE IBOD

- Dia provided a presentation on TSAG (will be posted on TSAG website soon)
- Encouraged coordination between transportation and emergency responder
- ITE seems to be a good place for TSAG

Bylaws and Operating Procedures

Engage the full list of communities of interests

- Identify ex-official members as an option and engage them in project working groups and outreach – define a contact from each
- Update list of candidate member organizations
 - Add NOCoE to Transportation Operations
 - Consider adding ITE to Transportation Operations
 - ITE members own and operate significant portions of the system
 - ITE currently serving as ex officio member (staff) and has fiduciary responsibility for contract oversight; recommended not adding ITE at this time

Need to fill vacancies

- Two vacancies to fill on current roster: (1) Transportation Operations – Replacement for John Corbin and (2) Emergency Management – Replacement for Bill Hinkle

- Invite from interest communities
- ITE will send an invitation letter to transportation operations and emergency management, include NOCoE, with expectations and commitments
- Roster should be removed from strategic plan and kept as a separate independent document

Tenure of TSAG Representatives

- Future item, need to discuss need for turnover on TSAG; currently no limits to the number of terms that can be served by TSAG members

Future Projects

- Defer to October meeting

Future Actions

- Update list of candidate member organizations in Bylaws – update and adopt at the fall meeting
- Consider bylaw changes to include term limits
- Remove Appendix A (roster) from Strategic Plan and adopt
- Develop outreach plan for TSAG
 - Outreach to the full range of candidate member organization to engage

Upcoming Meetings

- Oct 23rd Fort McDowell, AZ
- Feb 20th or Mar 6th, Washington DC
- July 23rd, Austin TX