

# IoT Advisory Board Meeting #4

May 16-17, 2023

# IoT Advisory Board Meeting # 4 Outcomes

- Review and discuss draft set of in-progress recommendations
- Level-set and knowledge transfer between sub-teams
- Review progress to date
- Identify information and barrier gaps
- Agenda topic items for Meeting 5 (July 18-19)
- Confirm meeting dates for August and September

# Agenda

## Day 1 (May 16, 2023)

11:00 AM – 11:10 AM	Welcome and Agenda Review (Benson Chan/Dan Caprio) (10 min)
11:10 AM – 11:30 AM	Invited Speaker: Syed Hosain (Aeris)
11:30 AM – 11:40 AM	Action item Review and Discussion (10 min)
11:40 AM – 11:50 AM	New subgroups / alignment (Connectivity & International) (10 min)
11:50 PM – 12:50 PM	Sustainable Infrastructure Subgroup Discussion (60 min)
12:50 PM – 1:30 PM	Progress and schedule review (40 min)
1:30 PM – 1:45 PM	Break
1:45 PM – 2:45 PM	Supply Chain Subgroup Discussion (60 min)
2:45 PM – 3:45 PM	Smart Traffic and Transportation Subgroup Discussion (60 min)
3:45 PM – 4:45 PM	Public Safety Subgroup Discussion (60 min)
4:45 PM – 5:00 PM	Day 1 closing (15 min)
5:00 PM	Adjourn for the day

## Day 2 (May 17, 2023)

11:00 AM – 11:15 AM	Day 1 recap (15 min)
11:15 AM – 12:00 PM	Public Speakers: Jeff Jockisch (Avantis Privacy), Colby Scullion (Avantis Privacy), Harvey Reed (MITRE)
12:00 PM – 1:00 PM	Cybersecurity Subgroup Discussion (60 min)
1:00 PM – 1:15 PM	Break
1:15 PM – 2:00 PM	Privacy Subgroup Discussion (45 min)
2:00 PM – 2:45 PM	Environmental Monitoring Subgroup Discussion (45 min)
2:45 PM – 3:30 PM	Precision Agriculture Subgroup Discussion (45 min)
3:30 PM – 4:15 PM	Healthcare Subgroup Discussion (45 min)
4:15 PM – 4:45 PM	Overall Recommendations feedback and next steps (Dan, Benson, Greg) (30 min)
4:45 PM – 5:00 PM	Action items and Wrap up (15 min)
5:00 PM	Adjourn

# Meeting announcements and logistics

- Speaking/Participation
- Send Barbara copies of everything you shared here today
- IoTAB to the Audience: Disclaimer
- Audience comments: please send to us
- Meeting 2 (March 2023) minutes and presentations
  - <https://www.nist.gov/itl/applied-cybersecurity/nist-cybersecurity-iot-program/march-2023-iot-ab-meeting-recording-and>

# Day 1 Speakers

- Syed Hosain (“Z”), Founder, CTO, Aeris Communications

Action items discussion



# August, Sept meetings

	Aug 1-2	Aug 2-3	Aug 8-9	Aug 9-10	Aug 15-16	Aug 16-17	Aug 22-23	Aug 23-24	Aug 29-30	Sept 12-13	Sept 13-14	Sept 19-20	Sept 20-21	Sep 26-27	Sep 27-28
Ranveer Chandra	Yes	Yes				Yes	Yes		Yes	Maybe	Maybe	Yes		Yes	
Tom Katsioulas	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dan Caprio	Yes	Yes													
Pete Tseronis								Yes	Yes		Yes				Yes
Benson Chan	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jeff Brewer	Yes	yes			yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Steve Griffith					yes	yes	yes	yes	yes				yes	yes	yes
Mike Bergman	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Debbie Reynolds							Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Maria Rerecich	Yes	Yes			Yes	Yes	Yes	Yes	Yes			yes	yes	yes	
Debra Lam		Yes	Yes	Yes			Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes



# Charter Element Mapping to Current Subgroups

Charter Element A1:D23		Current Subgroups (as of April 2023 IoTAB meeting)
i. smart traffic and transit technologies;	<i>maps to</i>	Smart Traffic and Transit Technologies
ii. augmented logistics and supply chains;	<i>maps to</i>	Augmented Logistics and Smart Supply Chains
iii. sustainable infrastructure;	<i>maps to</i>	Sustainable and Critical Infrastructure
iv. precision agriculture;	<i>maps to</i>	Precision Agriculture
v. environmental monitoring;	<i>maps to</i>	Environmental Monitoring
vi. public safety; and	<i>maps to</i>	Public Safety
vii. health care;	<i>maps to</i>	Healthcare
Spectrum	<i>not handled yet</i>	
policies:	<i>maps to</i>	Policies
- Privacy	<i>maps to</i>	Privacy/Data Ownership
- security incl. CI	<i>maps to</i>	Security
- user protection	<i>not handled yet</i>	
- agency coordination	<i>not handled yet</i>	
small businesses	<i>not handled yet</i>	
International	<i>maps to</i>	International Engagement
		<b>Other Subgroups</b>
		Consumer
		Regulations & Commerce (prune or move to Policies)
		Skills, Education, Workforce Development (assemble from subgroup contributions)
		Smart Homes
		Standards

# Sub teams

Subteam	Lead(s)	Members	Launched
Augmented logistics, supply chain, traceability	Tom	Ann, Robby, Mike, Steve, Tom	Yes
Public Safety	Ann	Ann, Maria, Mike Nicole	Yes
Healthcare	Ann	Ann, Maria, Mike	Yes
Smart homes		Ann, Kevin, Mike, Steve	
International Engagement	Dan	Ann, Dan, Debbie, Mike, Tom	
Consumer	?	Debbie, Maria, Mike	
Cybersecurity	Mike, Steve	Kevin, Mike, Pete, Ranveer, Steve, Tom	Yes
Standards	?	Debbie, Mike, Nick, Steve, Tom	
Environmental Monitoring	Arman	Arman, Mike, Nick, Ranveer	
Privacy/data ownership	Debbie	Debbie, Kevin, Maria, Mike	Yes
Smart Traffic and transit technologies	Steve	Benson, Debbie, Kevin, Nicole, Steve	Yes
Sustainable and smart infrastructure	Tom, Pete	Arman, Benson, Nicole, Pete, Steve, Tom	Yes
Precision agriculture	Ranveer	Nick, Ranveer, Arman, Ann	Yes
Skills, Education, Workforce Development		Debbie, Kevin, Nicole, Pete, Robby	
Regulations and commerce	?	Debbie, Robby	Consolidate?
Policies	?	Benson, Ranveer	Consolidate?
Spectrum	Mike		

# Proposed: Report content organization around select themes

Theme	Subteam(s)
Enhance and Modernize The Infrastructure That Supports IoT: Leads to: More licensed and unlicensed spectrum for broadband and narrowband deployment of IoT	Spectrum
Create Trust in IoT in All Market Categories: Leads to: Security, privacy, transparency, data usage (trust and privacy), data management (security)	Privacy/data ownership Security
Ensure Supply Chain Reliability: Leads to: Free up and enable trade; support industry-managed reshoring; traceability for anti-counterfeit/anti-tampering	Augmented logistics Smart supply chain
Address Challenges in the Context of An Ecosystem that is Global: Leads to: As important as the U.S. economy and domestic priorities are, it is a global picture and needs to be viewed as such.	International Data Sovereignty? Data?
Align Federal Actions in IoT to Advance Policy Goals: <ul style="list-style-type: none"> <li>a. Subgroups: Environmental Monitoring; Healthcare, Smart Traffic and Transit Technologies; Sustainable and Critical Infrastructure; Precision Agriculture</li> <li>b. Climate change (policy), environmental monitoring (IoT application);</li> <li>c. Sustainability (policy), precision agriculture (IoT application)</li> <li>d. Adopt further “Lab to Market” policies for federally-funded research</li> </ul>	
Enable a Strong and Diverse Workforce: Leads to: Workforce training; consumer awareness; diversity & inclusiveness	All should consider and develop content here

# Progress and schedule review

# Draft IoT AB Timeline to Report Publication in January 2024



# Sub-team readouts

- [TBD] Sustainable Infrastructure
- [TBD] Supply Chain
- [TBD] Smart Traffic and Transportation
- [TBD] Public Safety

# Key Takeaways – Day 1

# Action items – Day 1



# Day 2 Speakers

- Jeff Jockisch and Colby Scullion (Advantis Privacy)
- Harvey Reed (MITRE)

# Key Takeaways – Day 2

- tbd



Planning – Next Meeting

# Meeting #4 planning

- Next meeting July 18-19, 2023
- Virtual format

# Meeting #4 agenda items (proposed)

# Reminder

Please send to Barbara  
electronic copies of everything  
you shared here today.