IoT Advisory Board Meeting #7

September 26-27, 2023

IoT Advisory Board Meeting # 7 Outcomes

- Review and discuss draft report, commentary sections, opportunities, identify content volunteers

- Review themes and recommendations mapping; identify gaps

- Identify gaps in existing strategy documents for IoT relevance – cyber workforce strategy, standards strategy, privacy strategy?

- Review and discuss recommendations (previously discussed and new)

- Identify other information and barrier gaps

- Agenda topic items for Meeting 8 (October)

- Set dates for November, possibly December and Jan meetings

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 5 (July 2023) and 6 (August 2023) minutes and presentations are online

Agenda

Day 1: Sept 26, 2023 Tuesday

11:00 AM Open/Action Item Review (Benson Chan / Dan Caprio)

11:20 AM Report Feedback and Comments (Greg Witte)

12:00 PM Report Themes and Recommendations

- Mapping Recommendations to Themes
- Possible Recommendation Consolidation
- Identifying Gaps

2:00 PM Break

2:30 PM Discussion of Needed Additional Text

- Commentary
- Opportunities
- Barriers
- Identifying volunteers to write

5:00 PM Close

Day 2: Sept 27, 2023, Wednesday

11:00 AM Open

11:05 AM Outside Speaker: Jayne Morrow, NIST

11:45 AM Recommendations for Report

- Identify gaps in existing strategy documents for IoT relevance – e.g., cyber workforce strategy, standards strategy, privacy strategy
- Review and discuss recommendations flagged in previous meetings
- Discuss new recommendations

4:00 PM Wrap Up

- Identify agenda items for October meeting (Meeting #8)
- Set dates for meetings after October

5:00 PM Adjourn

Speakers

- Amit Elazari, Open Policy Group (postponed to October)
- Jayne Morrow, NIST, National Standards Strategy (Sept 27th, confirmed)

Meeting 6 (August 2023) Actions

Action	Who	When
Consider content approach for commentary sections, including adjacent tech. (Done)	Steve, Maria, Tom, Benson	8-31-2023
Review the national standards strategy (assigned)	All	
Send Greg redline updates to the draft (done)	All	8-31-2023
Review July speaker recommendations – Chris Moore (to be confirmed)	Public Safety subgroup	8-31-2023
Review July speaker recommendations – Mei Lin Fung (where does it fit?) (to be confirmed)	Ann	8-31-2023
Review July speaker recommendations – Chris Autry (Steve, Benson)	Benson	8-31-2023
Review July speaker recommendations – Paul Eisler (Done. No further action needed)	Dan, Mike, Steve	8-31-2023
Collate speaker recommendations from previous speakers for board review (done)	Benson	8-31-2023
Update intelligent traffic recommendation (done)	Steve	8-31-2023
Update small business recommendation – (done)	Steve, Debra	8-31-2023
Create overarching carbon measurement recomm, and ag, supply chain, sustainable infrastructure (Ranveer to send out initial recomm copy). (initial draft done)	Tom, Steve, Sustainable infrastructure, Ranveer	8-31-2023
Update international recommendation (cyber trustmark) 14.1 (done)	Mike, Dan	8-31-2023
Continue discussion and refine on National Emerging Tech Office (in progress, continue to refine)	Dan, Mike, Pete	8-31-2023
Update wording and split healthcare recommendations (2.7) into 2 recommendations (Greg will update in next report draft)	Maria, Debbie (Greg)	8-31-2023

Meeting 6 (August 2023) Actions

Action	Who	When
Cybersecurity recommendation 6 – continue research and update (consider moving into Section 6) – (Move to commentary section. Created IIoT content in commentary section. Draft done).	TomKat, Steve	8-31-2023
Cybersecurity recommendation 7 – research VEX, update (Done. No recommendation to be made at this time).	Mike	8-31-2023
NIST/Greg to reach out to person updating PPD21 (informed team working on PPD21 updates)	Greg	8-31-2023
Integrate themes into draft (Initial draft in progress)	Greg	8-31-2023
Confirm with Ranveer on generative AI recommendation (done).	Benson	8-31-2023
Review next draft – consider personas addressed by recommendations to make sure various personas are covered (assigned)	All	9-20-2023

Proposed: Report content organization around select themes

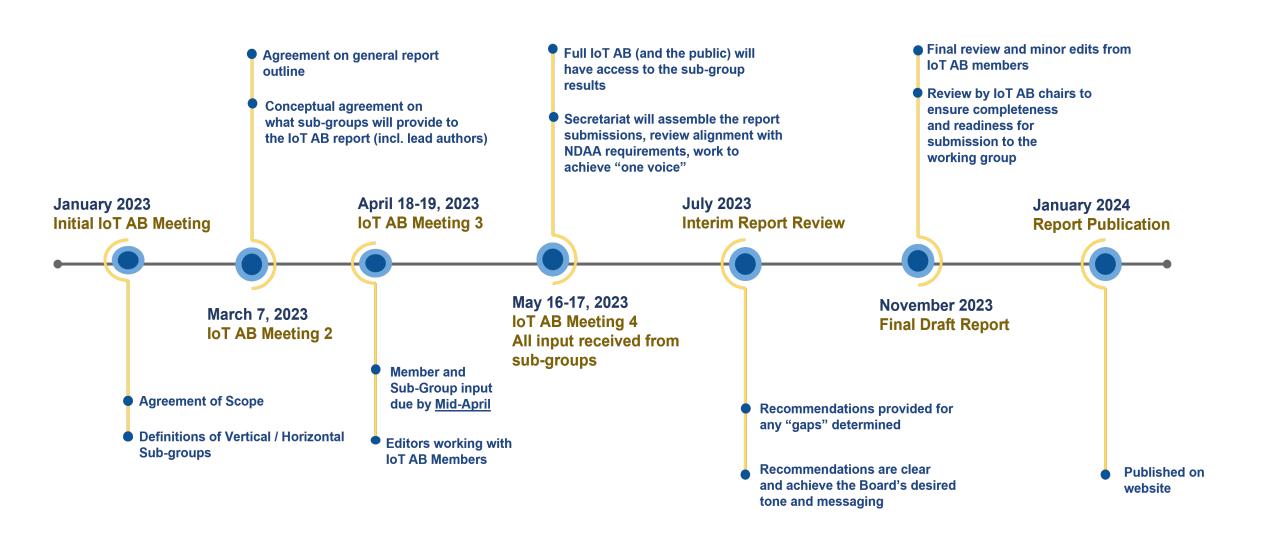| Organizing Themes	Description/examples/subgroups
Enhance and modernize infrastructure supporting IoT	Connectivity, standards and interoperability, compute, etc.
Create trust in IoT	Cybersecurity, privacy, confidentiality, provenance, integrity, transparency, data usage and management
Ensure IoT supply chain integrity and resilience	Augmented Logistics & Supply Chain
Develop, grow, and maintain a workforce to support the IoT economy	Workforce Development *(all subgroups)*
Address challenges of IoT in a global ecosystem and economy	International subgroup (standards, trade, etc.)
Develop government capability to support and sustain a IoT economy	*(All subgroups)*
Facilitate industry adoption (including govt, small business adoption) and value realization of IoT.	Consumer awareness, government procurement, policies (tax credits, etc.)
Facilitate US IoT technology and innovation leadership	Research and development, technology transfer, etc.

Sub-team readouts

- [TBD] Sustainable Infrastructure

- [TBD] Supply Chain

- [TBD] Smart Traffic and Transportation

- [TBD] Public Safety

IoT AB recommendations progress

Subgroup	# of recommendations	
Precision Agriculture	6	
Sustainable Infrastructure	16	Some to be upleveled, need some sustainability
Environmental Monitoring	4 presented, 1 to be presented, 1 modified (broadened)	
Smart traffic and transit	8	
Supply chain	17	
Privacy	7 + 2	
Cybersecurity	7	
Healthcare	2 presented,	1 to be upleveled
Public Safety	1 presented	
International	3 (1 approved, 2 review)	
Connectivity	3 (2 from ag)	

Draft IoT AB Timeline to Report Publication in January 2024

Agreement on general report outline

Conceptual agreement on what sub-groups will provide to the IoT AB report (incl. lead authors)

Full IoT AB (and the public) will have access to the sub-group results

Secretariat will assemble the report submissions, review alignment with NDAA requirements, work to achieve "one voice"

Final review and minor edits from IoT AB members

Review by IoT AB chairs to ensure completeness and readiness for submission to the working group

January 2023
Initial IoT AB Meeting

April 18-19, 2023
IoT AB Meeting 3

July 2023
Interim Report Review

January 2024
Report Publication

March 7, 2023
IoT AB Meeting 2

May 16-17, 2023
IoT AB Meeting 4
All input received from sub-groups

November 2023
Final Draft Report

Agreement of Scope

Definitions of Vertical / Horizontal Sub-groups

Member and Sub-Group input due by Mid-April

Editors working with IoT AB Members

Recommendations provided for any "gaps" determined

Recommendations are clear and achieve the Board's desired tone and messaging

Published on website

Planning – Next Meeting

Meeting #8 planning

- Next meeting TBD
- Virtual format
- Speakers
- Topics

Meeting 7 (September 2023) Actions

Action	Who	When
Develop storyboard		10/13/23
Consolidate themes		Done
Review spreadsheet to identify recommendation consolidation opportunities	All	10/13/23
Perform clustering analysis of recommendations to date (after verifying all recommendations are included)	Greg	10/13/23
Commentary writeup: Quantum	Mike	10/27/23
Commentary writeup: platform business, ecosystems	TomKat	10/27/23
Commentary writeup: AI	Steve	10/27/23
Commentary writeup: Consumer	Maria	10/27/23
Commentary writeup: Privacy	Debbie	10/27/23
Commentary: Smart home	Ann, Steve, Maria	10/27/23
Commentary: IoMT	Ann	10/27/23
Commentary: Smart infrastructure (to be confirmed)	Pete	10/27/23
Update Privacy Recommendations (R9, R10, R11, R12)	Debbie, Mike	10/13/23

Meeting 7 (September 2023) Actions

Action	Who	When
Update privacy recommendations R9, R10, R11, R12 based on discussions at meeting	Debbie, Mike	10/13/23
Add to barriers "inability of existing grid infrastructure to support EVs at scale"	Steve	10/13/23
Break small business recommendation into two recommendations – one for IoT manufacturers, and one for IoT adopters	Steve, Debra	10/13/23
Pete to respond to Mike's comments on Sector Risk Management Agency recommendation	Pete	10/13/23
Remove recommendation 3.8 from consideration/report	Greg	10/13/23
Draft recommendation to include IoT back in Critical and Emerging technologies list	Dan	10/13/23
Update Environmental Recommendation 4a (build a story, add IoT to grants, new name of recommendation (carbon transparency, use IoT to…), make it main recomm,)	Ranveer, Arman, Benson	10/13/23
Review CTIA letter	All	10/13/23
Send Critical and Emerging Technology list to board members	Barbara	Done
Send poll for Nov and Dec meetings	Benson	9/30/23
Send supply chain/digital thread presentation to board members	Tom	9/30/23
Send story input/feedback of supply chain/digital thread presentation to Tom	All	10/13/23

Reminder

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