IoT Advisory Board Meeting #8

October 24-25, 2023

IoT Advisory Board Meeting # 8 Outcomes

- Review and discuss draft report, commentary sections, CTIA feedback

- Review storyboard approach

- 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 9 (December)

- Understand report draft and pens down date, review, approval and delivery process

- Set dates for 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

Agenda

	Day 1 (Tuesday)
11:00 am	Chair Opening Remarks Action Item Review
11:15 am	Outside expert speaker: Dr. Joseph Kvedar, Mass General Brigham
11:45 am	Outside expert speaker: Jim Kohlenberger, Trusted Future
12:30 pm	Outside expert speaker: Amit Elazari, Open Policy Group
1:00 pm	Discuss the recommendations received from today's speakers Planning next steps for those recommendations
1:30 pm	Approach/expectations for getting to report delivery Report writing volunteers
2:00 pm	Recommendations previously submitted to the IoT AB
2:45 pm	Storyboard Discussion for Report
3:30 pm	Draft Report Feedback and walk through of the report
5:00 pm	Adjourn

	Day 2 (Wednesday)
11:00 am	Opening of the 2nd Day of the meeting
11:05 am	Public Participation Speaker: Rajesh Krishnan, Asimily
11:20 am	Outside Expert Speaker: Kathleen Scott and John Marinho Presentation of CTIA comments and discussion of those comments with the IoTAB
12:00 pm	Discuss all outstanding recommendations Speaker Recommendations from prior meetings Recommendations not fully discussed on Tuesday Other remaining recommendations
1:30 pm	Continuation of discussion of draft report Draft Report Feedback CTIA Letter Input Consideration Commentary section Report Writing Volunteers Application of labels and personas
5:00 pm	Adjourn

IoTAB member availability

	Day 1 (Tuesday)
Nicole Coughlin	On as needed
Tom Kat	Largely unavailable, but will drop in
Maria Rerecich	Out 1 to 2 pm EDT
Steve Griffith	Out 1 -2 pm
tbd	
tbd	
tbd	
tbd	
tbd	
tbd	

	Day 2 (Wednesday)
Nicole Coughlin	On as needed
Mike Bergman	Not available after 3:45 pm EDT
Steve Griffith	Not available
Dan Caprio	Not available 12 – 4 pm EDT
Ranveer Chandra	Multiple conflicts, but will attend as available
Maria Rerecich	Out 1-2 pm Out 11-12
Debbie Reynolds	Out

Robby Moss - out

Speakers

- Day 1
  - Dr. Joseph Kvedar, Mass General Brigham
  - Jim Kohlenberger, Trusted Future
  - Amit Elazari, Open Policy Group

- Day 2
  - Rajesh Krishnan, Asimily
  - Kathleen Scott and John Marinho, CTIA

Jim Kohlenberger recommendations

- Fully fund IoT R&D (existing funding pools from BIL, CHIPS act, etc.)
- Quantify Economic Potential of these investments
- Bring "interoperability" between the different definitions of IoT
- Elevate interagency coordination
- Develop coherent national IoT strategy

Meeting 7 (September 2023) Actions

Action	Who	When
Develop storyboard	Benson	10/13/23
Consolidate themes	Greg	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 https://www.whitehouse.gov/wp-content/uploads/2022/02/02-2022-Critical-and-Emerging-Technologies-List-Update.pdf	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

Jayne Morrow notes/recommendations (Sept 2023)

- Key points
  - The community can find it challenging to define what they think is uniquely the US government's role. – while said in the context of standards for critical and emerging technology, the point could be taken more generally.
  - Ms. Morrow described challenges the community had identified: the technology is very young; the workforce engaged in research is often unaware of standards activities; there is a diversity of need at the convergence of technology leading to uncertainty where to go for standards development. – all of these are applicable for IoT
  - Ms. Morrow described challenges associated with workforce, including the need for people trained in the CET areas combined with the need for them to engage with standards development because it is happening earlier. She cited the example of activity to coordinate international standards development for quantum computing. - This is just as applicable to IoT
  - Ms. Morrow discussed the need for the government to share its unique information with stakeholders and the need for a tool to be more effective at doing that. – This applies to standards and IoT as well.
  - CET list is maintained by the NSTC and updated every 2 years
  - Ms. Morrow described the CET list is meant to focus the US government's attention and their need to engage in standards
  - List addresses both "critical" and "emerging" technology (they are separate categories)
  - Ms. Morrow said she believed an update is in progress

- Recommendation:
  - Include IoT technology in among the critical and emerging technologies that the National Standards Strategy supports. While applications of IoT (i.e., electric vehicles) are included, the broader area of IoT technology is not.

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

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

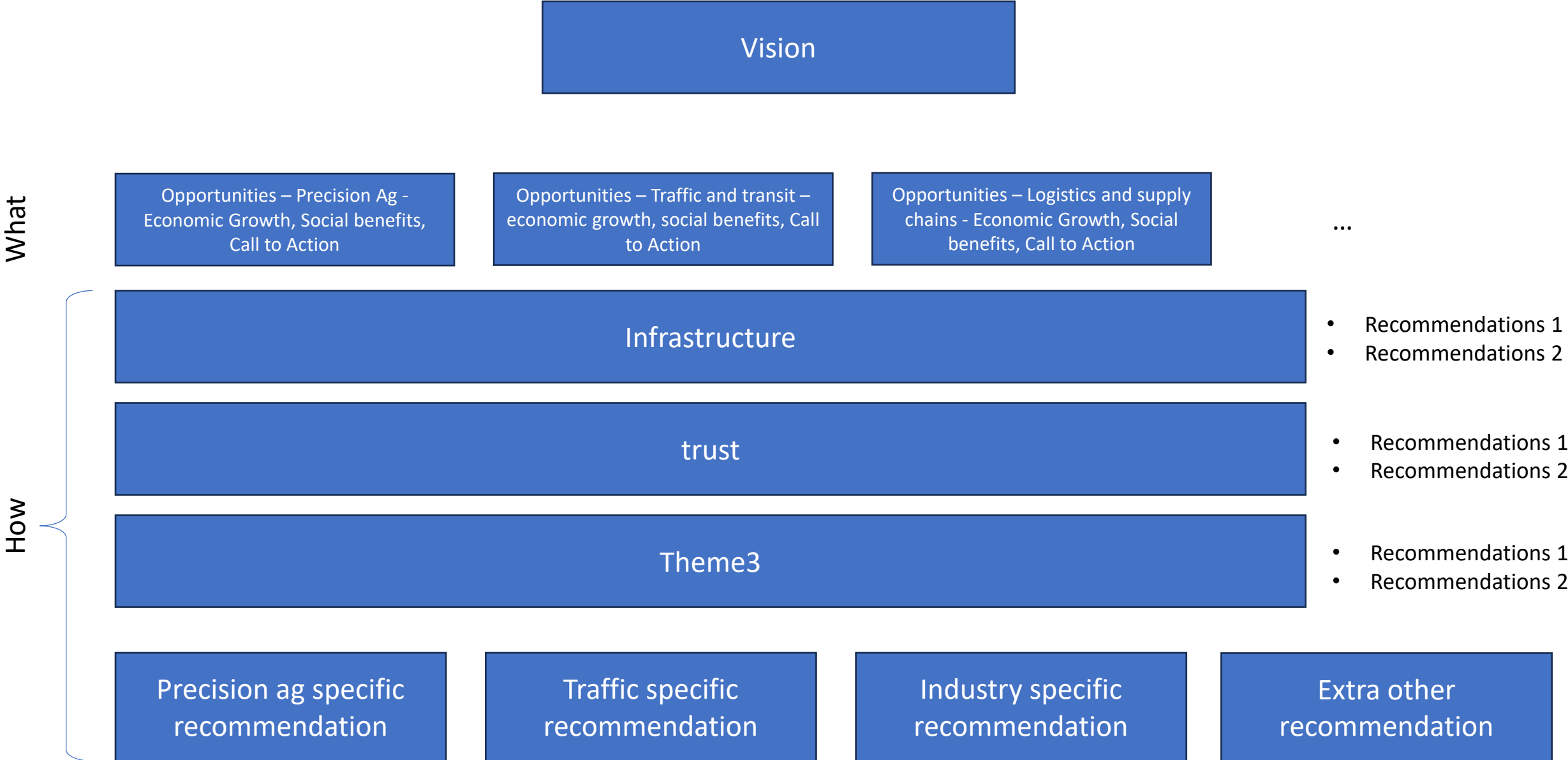**Published on website**

Planning – Next Meeting

Meeting #9 planning

- Next meeting TBD
- Virtual format
- Speakers
- Topics

Reminder

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

Storyboard concept

Vision

Opportunities – Precision Ag - Economic Growth, Social benefits, Call to Action

Opportunities – Traffic and transit – economic growth, social benefits, Call to Action

Opportunities – Logistics and supply chains - Economic Growth, Social benefits, Call to Action

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Infrastructure

- Recommendations 1
- Recommendations 2

trust

- Recommendations 1
- Recommendations 2

Theme3

- Recommendations 1
- Recommendations 2

Precision ag specific recommendation

Traffic specific recommendation

Industry specific recommendation

Extra other recommendation

Meeting 8 (October 2023) Actions

Action	Who	When
Fold Dr. K. recommendation 1 (privacy) into federal framework for privacy recommendation	Debbie, Ann, Mike, Maria	Nov 8
Integrate Dr. K recommendation 2, 3 (education, increase funding) into workforce development recommendations	Ann, Benson	Nov 8
Transparency and AI explainability – add to AI commentary section	Ann, Steve	Nov 8
CMS – create a recommendation for SaMD	Ann	Nov 8
FDA – healthcare subgroup to discuss FDA and role in IoMT	Ann, Dan	Nov 8
Jim K. recommendations – consider recommendations for IoTAB	Dan	Nov 8
Amit transcripts – get so we can review for recommendations	Barbara	Done
Get stories over to Greg	All subteams	Nov 1
Write recommendation for common vulnerability framework	Mike	Nov 8
Review CTIA recommendations	Mike, cybersecurity subgroup,	Nov 8
Add some commentary spectrum sharing in connectivity section	Mike	Nov 8
All probationary recommendations should be submitted by Nov 8	All	Nov 8
Review CTIA letter for privacy comments	Debbie	Nov 8

Meeting 8 (October 2023) Actions

Action	Who	When
Add recommendation "consider adding modules to labeling program"	Mike	Nov 8
Draft recommendation on NextGen 911	Ann, Nicole	Nov 8
Send Chris Moore info to Ann	Benson	Oct 25
Draft recommendations on camera/sensor and public safety	Nicole, Ann	Nov 8
Confirm with Pete on removal of PPD21	Benson	Nov 8
Add generative AI to AI commentary	Steve	Oct 27
Include benefits discussion in commentary writeups	All	Done
Add commentary section for personas	Benson	Oct 27
Review notes from past speaker for recommendations	All	Nov 8
Send note to privacy subteam regarding "confidentiality"	Greg	Oct 25
Draft recommendation for small business workforce for innovation, etc.	Benson, Tom, Ann, Debra	Nov 8
Verify all recommendations captured	Greg, Benson	Nov 8
Draft recommendation for monitoring, reporting, "iot.gov" on progress	Ann	Nov 8