

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD

National Academies/TRB Forum
PREPARING FOR AUTOMATED VEHICLES AND SHARED MOBILITY
-Co-Chairs Conference Call-

Monday, September 11, 2017 1:00 pm – 2:00 pm (Eastern)

Call-in Number: 866-528-2256; Access code: 7987516

I. AV FORUM OVERVIEW

- A. Review of Forum Mission, Focus Areas, and Activities (pp. 3-15)**
TRB staff will review the highlights of the attached Forum overview slides and Sponsors prospectus.
- B. National Academies Process for Approving Roundtables/Forums**
A review of the procedural steps that have been taken to date, and remaining steps.
- C. Questions/Observations from Co-Chairs**

II. FORUM PARTICIPANTS

- A. Expected Participants (pp. 16-17)**
A list of the current Forum Sponsors and expected liaisons is attached.
- B. Others That Should be Included?**
- C. Potential Legal Frameworks Subgroup (page 18)**

III. ROLES OF FORUM CO-CHAIRS

A discussion of the potential roles of the three co-Chairs, and TRB staff support for the co-Chairs and the Forum.

IV. PLANNING FOR UPCOMING FORUM CONVENING ACTIVITIES

- A. Organizational Conference Call**
Forum Sponsors have been informed to expect a conference call in the fall to discuss organization and logistics for the new Forum. When should this be held, and what should be included in the agenda?
- B. Forum Convening Activities During 2018**
The budget for the Forum includes two face-to-face meetings, and two conference calls. Where and when should these be held?
- C. 2018 TRB Annual Meeting “War Games” Session (pp. 19-22)**
The Forum has been listed as a sponsor of this session, and the session organizers have requested that the Forum co-Chairs serve as “judges.” See the attached for more information.

V. “PRODUCTS” GENERATED BY THE FORUM (pp. 23-24)

As Forum participants are not subject to bias/conflict-of-interest reviews by the National Academies, roundtables/forums that operate under the auspices of the Academies may not produce “products” attributed directly to the Forum. However, there are a number of products that can be generated by the Forum that can attributed to individuals and others. These are summarized in the attachment. Input from the co-Chairs would be appreciated.

VI. OTHER ITEMS?

VII. ADJOURN

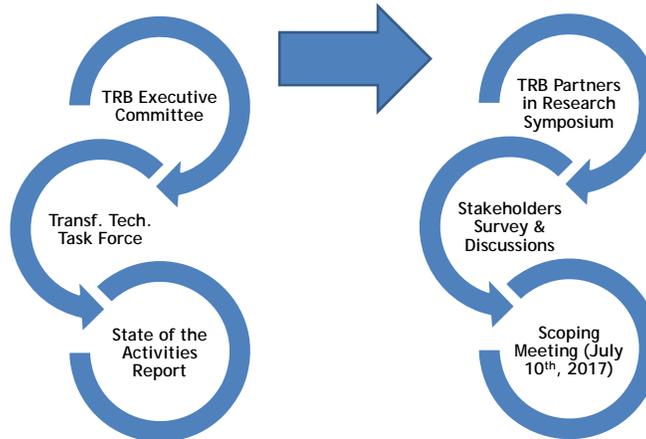
SCOPING MEETING – JULY 10TH, 2017

National Academies TRB Forum: Preparing for Automated Vehicles & Shared Mobility Services

How We Got Here

Laying the Foundation

Moving Forward





Preparing for Automated Vehicles and Shared Mobility Services will bring together organizational partners to identify and facilitate fact-based research needed to deploy automated vehicles and shared mobility services in a manner and timeframe that informs policy to best meet long-term goals which include increasing safety, reducing congestion, enhancing accessibility, increasing sustainability, and encouraging economic development.

Proposed Forum Areas of Focus:

- Developing and maintaining an updated research roadmap for automated vehicles and shared mobility systems
- Infrastructure enablers for shared /automated vehicles and Critical paths to level 4/5 automation
- Impacts of automated vehicles on traveler behavior and freight
- Impact of shared mobility on the transportation system
- Synergy among AVs, shared mobility, and alternative fuels
- Addressing social inclusion, equity, and workforce implications in shared mobility
- Impacts on land use, and how land use impacts AVs and shared mobility
- Data Considerations, including cybersecurity and privacy challenges

Join us for the new Forum on *Preparing for Automated Vehicles and Shared Mobility Services*

If your organization is interested in joining the first Automated Vehicles Forum scoping meeting (to be held Monday July 10, 2017 during the Automated Vehicles Symposium in San Francisco) please contact Mark Norman at mnorman@nas.edu

SCOPING MEETING MODERATORS



Dr. Katie Turnbull
Executive Associate
Director, Texas A&M
Transportation
Institute



Malcolm Dougherty
Director, California
Department of
Transportation

TRB TRANSPORTATION RESEARCH BOARD

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

TRB
TRANSPORTATION RESEARCH BOARD

National Academies/TRB Forum: Preparing for AVs & Shared Mobility



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

TRB
TRANSPORTATION RESEARCH BOARD

OVERVIEW: National Academies/TRB Roundtable/Forum

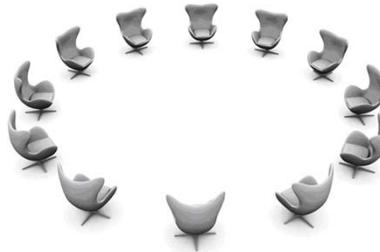
- Formal activity of the National Academies
- Brings together stakeholders from various sectors on an ongoing basis
- Participants not subject to conflict-of-interest restrictions
- May commission individually-authored papers & workshops to inform Forum
- May not issue formal recommendations or reports

National Academies Roundtables/Forums

- Several dozen currently operating
- Neutral setting that builds trust and promotes problem-solving
- Help define the scope of the field and set the stage for future research & policy action
- Bring ongoing attention and visibility to important issues
- Explore new approaches for resolving problem areas
- Enables participants to apply the insights and lessons learned, and share new approaches with colleagues

National Academies Roundtables/Forums: Examples

- Medical and Public Health Preparedness for Catastrophic Events
- Environmental Health Sciences, Research, and Medicine



Objective: Academies/TRB Forum on AVs & Shared Mobility

- Bring together partners to discuss, identify, and facilitate fact-based research needed to deploy automated vehicles and shared mobility services in a manner and timeframe that informs policy to best meet long-term goals, and to share perspectives on these issues.
 - The long-term goals include increasing safety, reducing congestion, enhancing accessibility, increasing sustainability, and encouraging economic development and equity.

Activities: Academies/TRB Forum on AVs & Shared Mobility

- Convene on a regular basis
- Identify and share perspectives on issues
- Identify research priorities
- Help keep research roadmap up-to-date
- Share information on ongoing and recently completed research
- Commission authored papers
- Sponsor sessions, workshops

Activities (cont.): Academies/TRB Forum on AVs & Shared Mobility

- Raise issues that might be addressed through consensus policy and other studies conducted by the National Academies and TRB
- Partner with relevant TRB standing committees to support their activities
- Form and pursue their own partnerships

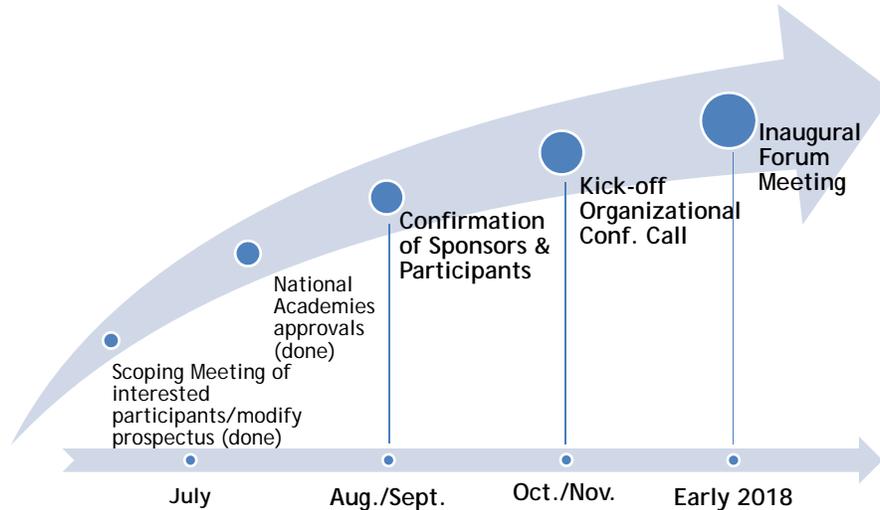
**Academies/TRB Forum:
Value Propositions for Existing TRB Stakeholders**

- Guaranteed seat at the table
- Ability to nominate own representative
- Ability to directly shape the agenda and research priorities
- Ability to share perspectives with the leaders in other transportation and non-transportation sectors
- Increased direct access to other units of the National Academies
- Increased visibility to the TRB community

**Academies/TRB Forum:
Value Propositions for New TRB Stakeholders**

- Affiliation with, and access to, the National Academies and TRB
- Guaranteed seat at the table
- Ability to nominate own representative
- Help to frame and address the critical and emerging issues that are of most concern to your organization
 - Ability to directly shape the agenda and research priorities
- Exposure and visibility to the leaders in the TRB community

Academies/TRB Forum: Next Steps



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

TRB
TRANSPORTATION RESEARCH BOARD



More than 20 organizations are Forum Sponsors, including:

- U.S. Department of Transportation
- State & Local DOTs
 - CalTrans and California DMV
 - Florida DOT
 - Michigan DOT
 - Ohio DOT
 - Virginia DOT
 - Washington State Transportation Commission
 - New York City DOT
 - Maricopa County DOT

- Auto Alliance
- Toyota
- Lyft
- Cubic Transportation Systems
- Econolite
- Alta Planning & Design
- WSP USA
- AAA Foundation for Traffic Safety
- University of Michigan & American Center for Mobility
- Southwest Research Institute
- Texas A&M Transportation Institute
- University of California ITS

For more information, contact Mark Norman (mnorman@nas.edu);
or Patrice Davenport (pdavenport@nas.edu)

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

TRB
TRANSPORTATION RESEARCH BOARD



PREPARING FOR AUTOMATED VEHICLES AND SHARED MOBILITY

A NATIONAL ACADEMIES/TRB FORUM | *Prospectus*

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



TRANSPORTATION RESEARCH BOARD

WHAT IS A NATIONAL ACADEMIES/TRB FORUM?

A Forum (also known as a “Roundtable”) convenes representatives of government, industry, academia, and professional organizations on an ongoing basis for the identification and discussion of issues of mutual concern. Representatives of sponsoring organizations and other government officials participate fully on Forums, as members are not subject to conflict of interest restrictions. Although a Forum may not generate formal recommendations or reports, it may commission individually-authored papers for its use and for dissemination, and it may sponsor workshops to inform the Forum members.

WHAT IS THE OBJECTIVE OF THE FORUM ON PREPARING FOR AUTOMATED VEHICLES AND SHARED MOBILITY SYSTEMS?

The objective of this Forum is to bring together public, private and research organizational partners to discuss, identify, and facilitate fact-based research needed to deploy automated vehicles and shared mobility services in a manner and timeframe that informs policy to best meet long-term goals, and to share perspectives on these issues. The long-term goals include increasing safety, reducing congestion, enhancing accessibility, increasing sustainability, and encouraging economic development and equity.

WHAT ACTIVITIES WILL THE FORUM UNDERTAKE?

At a minimum, the activities of this Forum are expected to include the following:

- Holding face-to-face meetings of Forum participants at least twice a year
- Identifying and sharing perspectives on issues associated with incorporating automated vehicles and shared mobility services into the transportation system
- Supporting the development of a research roadmap that identifies the highest research priorities needed to meet the Forum Objective
- Supporting efforts to keep the research roadmap up-to-date on an ongoing basis
- Sharing information on ongoing and recently completed research that can help meet the long-term policy goals noted above
- Commissioning authored papers to inform the Forum and/or to provide perspectives on Forum discussions
- Sponsoring sessions at the annual TRB/AUVSI [Automated Vehicle Symposium](#) and other appropriate venues to keep Forum sponsors and others up-to-date on all of the above

If resources allow, Forum sponsors may also choose to pursue activities such as the following:

- Raising issues that might be addressed through consensus policy and other studies conducted by the National Academies of Sciences, Engineering, and Medicine, and TRB

- Partnering with relevant TRB standing committees to support their activities, including conferences, workshops, and/or webinars
- Forming and pursuing their own partnerships outside of the National Academies and TRB to conduct and support needed research

WHAT ARE THE POTENTIAL FOCUS AREAS FOR THE FORUM?

Forum sponsors will collectively determine the priority areas to be addressed. The following potential focus areas for the Forum have been generating from convening activities leading up to the formation of the Forum, including the TRB Symposium “Partners in Research – Transformational Technologies” held October 31-November 1, 2016 in Detroit, and the Scoping Meeting for the Forum held July 10, 2017 in San Francisco:

IMPACTS ON SAFETY



- Potential safety scenarios during the transition to highly automated vehicles
 - Educating drivers on AV capabilities
 - Re-engaging drivers' attention when human intervention needed
- Potential adverse impacts on safety due to AVs
- Liability in a world of AVs
- Minimum set of safety data needed for AV operations and crashes
- Safe operations of commercial vehicles

TRANSPORTATION SYSTEM IMPACTS



- Infrastructure enablers for connected/automated vehicles and shared mobility
- Critical paths to level 4/5 automation for light and heavy-duty vehicles (use cases)
 - Timeline scenarios
- Synergy within the transportation ecosystem
 - Convergence between connected vehicles and automated vehicles
 - Urban/suburban/intercity/rural environments
 - Heavy duty vehicles/light duty vehicles/transit/bikes/pedestrians
- Potential impacts of automated vehicles and shared mobility on traveler behavior and freight movement
- AV deployment in a shared mobility environment

SOCIAL, ENVIRONMENTAL, ENERGY, AND ECONOMIC IMPACTS



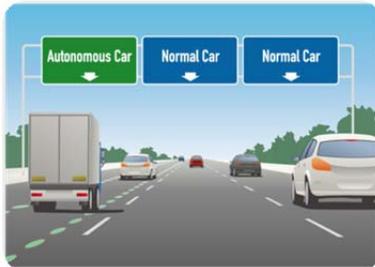
- Research the net positive and negative social impacts of AV deployment and shared mobility
 - Managing unintended consequences (e.g., security, privacy, labor impacts, insurance)
 - What are the right metrics and measurements that should be used to improve social outcomes?
 - Diverse planning tools to address key social and environmental transportation issues
- Alternative scenarios for synergy among automated vehicles, shared mobility, & alternative fuels
- Addressing social inclusion and equity in shared mobility
- Impacts on land use, and how land use impacts AVs and shared mobility

DATA CONSIDERATIONS



- How big will the data be?
 - Limitations and capabilities of future technologies and the cellular network
 - Document best practices in data curation, sharing, and management
- Public sector use of private sector data
- Meeting cybersecurity and privacy challenges
- Protocols for data sharing and management for evolving freight supply chains
- Framework for connected vehicle pilot and smart cities data analytics for policy guidance

CROSS-CUTTING TOPICS



- Cooperative national research planning for automated vehicles and shared mobility systems
 - Widely shared and continuously updated research roadmap
- Precursory policy analysis for these technologies and services
 - Impacts on the traditional roles of the public and private sectors
 - Policy framework for government intervention
- Scenario planning (with critical paths) and use cases
 - Inform future vision and planning
 - Rate of deployment of mixed fleet, and implications
 - Impacts on land use; density
 - Common set of deployment tools for freight operations
- What constitutes success/failure of pilots and deployments?
- What is the link of CVs to AVs?
- Education:
 - Training for all users
 - Clarifying the value of new systems/technologies

WHAT ARE THE FINANCIAL CONTRIBUTIONS FOR SPONSORING THE FORUM?

National Academies' Forums are supported by financial contributions from sponsoring organizations. Annual dues levels for this Forum are shown below. A two-year commitment is preferred, but not required.

ENTITY	DUES AMOUNT
Federal/State Government	\$25,000
Private For-Profit	\$25,000
Universities/Non-Profit	\$8,000
Regional/Local Government	\$5,000

For more information, contact Mark Norman (mnorman@nas.edu) or Patrice Davenport (pdavenport@nas.edu).

Discounts ranging from 10% to 100% are available for TRB Global Affiliate organizations. For more information, go to <http://www.trb.org/GetInvolvedwithTRB/JoinSupportTRB.aspx>.

ACADEMIES/TRB FORUM ON PREPARING FOR AUTOMATED VEHICLES AND SHARED MOBILITY

List of Participants (as of September 8, 2017)

ORGANIZATIONAL SPONSORS (21)

Public Agencies

- U.S. DOT
- California DOT/DMV
- Florida DOT
- Michigan DOT
- Ohio DOT
- Virginia DOT
- Washington State Transportation Commission
- New York City DOT
- Maricopa County DOT

Academic/Research Institutions

- Univ. of Michigan & American Center for Mobility
- Texas A&M Transportation Institute
- University of California
- Southwest Research Institute
- AAA Foundation for Traffic Safety

Technology/Equipment

- Cubic Transportation Systems
- Econolite

Consulting Firms

- Alta Planning & Design
- WSP USA

OEMs

- Auto Alliance*
- Toyota*

Shared Mobility

- Lyft*

*First year complimentary agreements

FORUM LIAISONS (14)

- TRB Executive Committee (1)
- TRB Standing Committees (4)
 - Vehicle-Highway Automation
 - ITS
 - Emerging Technology Law
 - Emerging and Innovative Public Transport and Technologies
- National Academies' Boards (4)
- Partner Associations (4)
 - AASHTO
 - APTA
 - ITE
 - ITS America
- Shared Mobility Expert (Susan Shaheen)

OTHER POTENTIAL SPONSORS

- University of South Florida - CUTR
- George Mason University
- American Trucking Associations (ATA)
- American Association of Motor Vehicle Administrators (AAMVA)
- Contra Costa Transportation Authority - Gomentum
- San Francisco Metropolitan Transportation Commission
- AECOM
- DKS Associates
- Hyundai-Mobis NA

OTHERS?

Legal Frameworks for Emerging Technologies in Transportation

will bring together legal experts from public, private and research organizations to identify and facilitate fact-based research needed to deploy automated vehicles and shared mobility technologies in a manner and timeframe that will help to anticipate and address engineering, human, ethical, and legal challenges. The Forum will work to inform policy to best meet long-term goals, and to share perspectives on these issues. The long-term goals include informing a balanced legal framework in which Transportation Network Carriers (TNC's) and autonomous cars can be operated, and to help answer legal questions around data protection and regulatory aspects related to provision of car connectivity.

Forum Activities:

- Conduct face-to-face meetings
- Identify and share legal perspectives on current issues associated with incorporating automated vehicles and shared mobility services into the transportation system
- Generate a research roadmap that identifies the highest research priorities
- Share information on ongoing and recently completed research that can help meet short and long-term policy goals
- Commission authored papers to inform the discussions
- Sponsor session at the Annual Workshop on Transportation Law and other appropriate events to keep stakeholders up-to-date



TRANSPORTATION
RESEARCH BOARD *The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

Join us for the new Forum on *Legal Frameworks for Emerging Technologies in Transportation*

If your organization is interested in joining the first “Legal Frameworks” Forum scoping meeting (to be held Sunday July 30, 2017 during the 56th Annual Workshop on Transportation Law in Salt Lake City) please contact Patrice Davenport at pdavenport@nas.edu

SCOPING MEETING MODERATORS



Matthew W. Daus, Esq.
Partner, Windels Marx
Lane & Mittendorf, LLP



Brigham A. McCown,
Esq. Chairman and
Founder, Alliance for
Innovation and
Infrastructure

★
NEW
★

JOIN TRB'S FIRST STRATEGIC WAR GAME!

How can technology, public policy, and market forces be aligned to achieve greatest societal benefits?

THE SCENARIO:

New technologies will likely create winners, losers and unanticipated ripple effects. Building upon NCHRP Foresight 750 Series, teams will "compete" in a facilitated open-ended competition to "solve" this challenge with a transformation solution.

WHAT IS A STRATEGIC WAR GAME?

A scenario-based, focused experiential activity that places participants in a simulated situation that requires them to go through a decision-making process close to real life in a safe future environment. War games are effective because they:

- Bring a wide variety of ideas together as competitor and market teams, take on the roles of the players in the industry
- Are simulations rooted in reality. Briefing materials provide the facts of the industry so competitive teams are forced to deal with real-world constraints

Contact Patrice Davenport
for more information:
pdavenport@nas.edu

Walter E. Washington
Convention Center
Sunday, January 7, 2018

TRB TRANSPORTATION RESEARCH BOARD

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

War Games Come to TRB: May the Best Plan for Connecting Technology and Policy Win

Sunday, Jan. 07, 2018; 1:30 – 4:30 pm; Room 150B Convention Center

Sponsors

- ABC10 Strategic Management
- ADA10 Statewide Multimodal Planning
- ABC20 Management and Productivity
- ABE 30 Major Cities
- ADD10 Transportation & Economic Development
- National Academies/TRB Forum on Preparing for Automated Vehicles and Shared Mobility

Challenge

Align transportation technology, public policy and market forces to achieve greatest societal outcomes

Evaluation Criteria:

- Energy outcomes (reduced emissions, reduced congestion, decreased reliance on fossil fuels)
- Social equity outcomes (more seamless jobs access, last mile)
- Sustainability/land use outcomes (fewer cars roaming vs. more urban sprawl, smart growth or DOA, narrow lanes / better access for pedestrian)
- Safety outcomes (fewer pedestrian, cyclist, road fatalities)
- Funding (where will funding/finance come from)

Other considerations

- Feasibility of implementation (timing/sequencing, cost, political cost, workforce able to implement)
- Must consider rural/urban aspects
- Effectiveness of pitch (being able to communicate the solution is critical)

Rules of the Game

The following table outlines the boundaries of the game. Green indicates parameters we focused on; amber could be acceptable/red is out of bounds.

Parameters	Green	Amber	Red
Time Horizon Solution ideally implemented within 0-5 years.	0 - 5 years	5-10 year horizon	20+ years

Geographic Market Solution should address a significant number of people	State / province	City Mega region	Country Countries
Broad organizational involvement Implementing the solution should require the support / involvement of public and private organizations			
Technology A fundamental aspect of the solution must include a technology component			
Multimodal aspect At least two modes must be included in the solution			

TEAMS:

- We can accommodate 10-12 teams. If we have more than 10-12 teams apply, we'll select teams to balance technology, geography, industry etc. Because the hope is that this becomes an annual challenge, there's an opportunity for teams to compete next year.
- No more than 10 team members
- 1 must be graduate/ or PhD student
- At least 3 experts from the field
- At least one professional from the private sector, public sector and academia

To simplify pilot, combined competitive and non-competitive categories since a requirement is to have both public and private sector members. We can have more than one team per category; ideally, we'd have a team in each of the following categories.

Category Possible Name	Possible members	Recruiter identify today	Support (could be committee or organization)
1. Automaker team FCA or Waymo			
2. Goods delivery team UPS or Amazon			
3. Shared mobility team Uber or Lyft TNC			

4. Regional transit team APTA/Cubic			
5. Energy team Exxon Mobile or Chevron			
6. Fed team EPA/DOE/USDOT			
7. State DOT team			
8. MPO team			
9.			
10.			

Recruitment/Selection process for teams (I'll outline thought starter tonight)

Resource Panel

Name	Possible members	Recruiter	Support
Planning/Real Estate/ Engineering/MPOs/ Infrastructure finance –			

<I'll insert draft development checklist tonight; tomorrow we'll identify responsible parties>

Hard Deliverables <i>(measurable results we are looking to get from the game)</i>	Soft Deliverables <i>(change in Participant's perceptions – better understanding of issues / market)</i>
Develop a short video about takeaways/conclusions that could be shared/distributed	Expand understanding of possible approaches / outcomes. Can be achieved with workshop and synthesis w CEO panel.
Develop and distribute probability grid / plot the moves/decisions of the teams on a grid to understand the likelihood that events could occur and what the impacts could be. Provides a plenary view of key learnings, potential impacts and how likely they are. It's essentially a cheat sheet of the games and recommended actions.	Probability impact exercise can be done as part of workshop, CEO panel, or more of an open forum. Can be expanded to include anyone who is interested.
Include something in the post conference survey that covers results from the war game.	Build momentum for 2019 – potential of war games as planning tool. A good tool to engage stakeholders and outside perspectives we don't typically engage with.
Other?	Other?

ACADEMIES/TRB FORUM ON AUTOMATED VEHICLES AND SHARED MOBILITY -POTENTIAL FORUM-GENERATED PRODUCTS-

As Forum participants are not subject to bias/conflict-of-interest reviews by the National Academies, roundtables/forums that operate under the auspices of the Academies may not produce “products” attributed directly to the Forum. However, there are a number of products that can be generated by the Forum that can be attributed to individuals and others.

White Papers:

Forums may commission individually authored white papers to inform discussions of the Forum. The 2018 budget for this forum includes up to \$20,000 for commissioned white papers. The Academies’ rules for these papers are as follows:

Subject to the availability of funds, roundtables may commission the preparation of individually authored documents, including documents emanating from the work of a cluster or collaborative established by a roundtable, to explore and stimulate discussion of a topic or issue for use by the roundtable and dissemination to interested members of the public. An individually authored document commissioned by a roundtable must meet the following requirements:

- 1. The authors of the document must be identified by name and affiliation.*
- 2. The document must be subject to scrutiny by an editorial process designed to assure the absence of inappropriate content. This review is the responsibility of the major unit under whose auspices the forum or roundtable is operating.*
- 3. The document must be released in a distinctive form that clearly distinguishes it from a report of the institution.*
- 4. The document must prominently display the following disclaimer concerning responsibility for the content. Normally this must appear on the front cover. If a logo is applied to the document, the disclaimer must appear on the same page as the logo.*

"The views expressed in this document are those of the author(s), and are intended to help inform and stimulate discussion. The document is not a report of the [Institute of Medicine] [National Research Council] and has not been subjected to its review procedures."

Perspectives:

Perspectives are individually authored by Roundtable and Forum members and outside experts in the field. Perspectives are intended to help inform and stimulate Forum discussions. The views expressed in these papers are those of the authors and not necessarily of the authors’ organizations, the National Academies, or TRB. They are not reports of the NAM or the National Academies.

The representatives from the non-paying organizational Forum sponsors and the Forum “liaisons” are being informed that they may be called upon to prepare Perspectives for the Forum and for their audiences as a condition of their participation in the Forum.

Research Roadmap:

Forum sponsors have been informed that participation in the Forum will provide them with an opportunity to help generate a research roadmap on connected-automated vehicles and shared mobility. As the Forum itself cannot author these types of products, we have arranged for this to be accomplished through a separate NCHRP project. A contractor will have responsibility to develop the research roadmap and to keep it up to date through the normal NCHRP process. In accomplishing this task, the NCHRP contractor shall rely primarily on discussions of this Forum and at the annual TRB/AUVSI Automated Vehicle Symposium.

Workshops and Sessions

National Academies roundtables/forums may sponsor workshops or sessions to inform the roundtable and share information with other stakeholders. Most of the roundtables/forums in other Divisions of the Academies cover the costs for the workshops as part of the dues for organizational sponsors. However, TRB has the luxury of being able to leverage other convening activities that it already sponsors. As such, the Forum will be given opportunities to sponsors sessions or tracks of sessions at the TRB Annual Meeting, the annual TRB/AUVSI Automated Vehicle Symposium, and other meetings/conferences as appropriate.

Recommendations for Academies/TRB Policy Studies

Forum discussions may lead to proposals for specific studies to be undertaken by TRB and/or other units of the National Academies, resulting in institutional reports. Such studies, if undertaken, will be conducted independently from the Forum and in accordance with all National Academies' policies and procedures governing such study activities.

TR New Articles

TRB's bi-monthly TR News magazine will include periodic updates on the work of the Forum. Katherine Kortum will be taking the lead in producing these updates. Dr. Kortum is part of the TRB staff support team for the Forum, and also serves on the TR News Editorial Board.

Forum Website

A webpage is being established for the Forum. The webpage will include an overview of the Forum, a list of Forum sponsors with links to their websites, meeting schedules/agendas/presentations, Forum white papers, and other Forum materials.

Forum Annual Report

An annual report summarizing the Forum's activities for the year may be produced and distributed.