

Governor Walker's Steering Committee on Autonomous and Connected Vehicle Testing and Deployment

Meeting #1
September 13, 2017

MINUTES

1. The meeting was called to order at 9:00 am by Secretary Ross. Daniel Yeh, staff to the committee called the roll (attendance list is provided at the end of these minutes).
2. The committee viewed a short video from Governor Scott Walker who talked about the desire to continue the state's leadership in technology and innovation in the automotive industry. He also spoke to the partnership of the university community, manufacturers, suppliers, innovators, legislators and other stakeholders.
3. Secretary Ross invited all committee members to each provide a short introduction with a focus on their involvement in autonomous and connected vehicle issues.
4. Secretary Ross referred the committee to Executive Order 245. He highlighted the selection of the University of Wisconsin – Madison (UW Madison) as one of ten proving grounds for autonomous vehicles selected by US DOT. He also commented on the extensive involvement of Wisconsin-based companies and industry in the autonomous vehicle (AV) and connected vehicle (CV) industry.
5. Secretary Ross asked Representatives Neylon and Kuglitsch to make comments.
 - a. Representative Neylon talked of his desire to focus on the economic development benefits of supporting AV deployment. He discussed the hope that AV will dramatically improve public safety. His focus will be on how to deliver responsible legislation in an open and inclusive manner that balances growth and competition with the need to protect public safety. He indicated that the committee would make recommendations but a full legislative process would follow.
 - b. Representative Kuglitsch talked to how AV/CV is a major change but could allow innovation to prosper in the state. He spoke to priority concerns starting with safety but then including insurance, infrastructure and education of citizens.
6. Daniel Yeh of the Wisconsin Department of Transportation (WisDOT) gave an overview presentation to define AV / CV terms, identify existing federal administration and legislation and touch on executive and legislative efforts in other states. The full slide presentation is available on the committee Web site. Discussion included questions about bicycle / pedestrian safety, further clarification of levels of automation as defined by the Society of Automotive Engineers (SAE) and state and federal activity.
7. Dr. David Noyce and Peter Rafferty of the UW-Madison gave a presentation on the US DOT's designation of UW-Madison as one of ten autonomous vehicle proving grounds in the nation. The university is partnering with public and

Committee contact information

E-mail: avcommittee@dot.wi.gov

Web site: wisconsin.gov/Pages/about-wisdot/who-we-are/comm-couns/avcommittee.aspx

Governor Walker's Steering Committee on Autonomous and Connected Vehicle Testing and Deployment

private entities. The presentation also examined different types of testing that could be underway, including current high-definition simulation work at UW-Madison. The full slide presentation is available on the committee Web site.

8. Secretary Ross invited committee members to participate in a roundtable discussion. Various committee members identified a number of issues that the committee may look to address in future deliberations, including the following:
 - a. The committee generally agreed to utilize the SAE-defined levels of automation for its discussions as referenced in SAE J3016.
 - b. In keeping with the US DOT policy and HR 3388 in the US House of Representatives, it appears most policy is aimed at vehicles at Level 3 capabilities or higher.
 - c. Some discussion focused on the potential lack of manual controls in vehicles and/or the ability for people to have retractable or optional manual controls. Members also talked about the transition for a driver for the “handoff” between automated and manual driving.
 - d. Several members spoke about the “elephant” approach in that AV / CV will involve a wide range of issues that may be difficult to address all at once. Issues include licensing, law enforcement practices, insurance and liability, cybersecurity, after-market parts and others.
 - e. Some speakers reminded the committee not ignore the CV issues. Benefits could include the ability to collect live data (e.g. pavement condition) from vehicles and safety for non-automated vehicles.
 - f. Members suggested a “surgical approach” to examining legislation that focused on barriers to higher AV levels, improving safety and maintaining flexibility as the industry grows incrementally. One suggested activity would be to overlay the SAE levels with existing Wisconsin vehicle and driving codes and laws.
 - g. Certain members talked to the need to examine issues relating to the expected mixed fleet of pedestrians, non-motorized vehicles, motorcycles and vehicles ranging from Level 0-5 on the scale. There are also issues of looking at the different time frames of how state and local governments plan roads in a 30-year context vs. vehicle turnover in a 10-year context and technology advancements in a 2-year context.
 - h. Members talked about the continued need for highway infrastructure, noting that AV features work best on the same roadways that drivers prefer with smooth surfaces and clear signage and markings.
 - i. The committee also talked about how commercial vehicles need to be included in the discussion, noting there is a mix of jurisdiction relating to

Committee contact information

E-mail: avcommittee@dot.wi.gov

Web site: wisconsin.gov/Pages/about-wisdot/who-we-are/comm-couns/avcommittee.aspx

Governor Walker's Steering Committee on Autonomous and Connected Vehicle Testing and Deployment



Interstate Commerce, federal law and state policies and practices. Some states are already addressing perceived barriers to truck platooning.

9. For next steps, all committee members are asked to consider the conversation and identify potential resources or speakers to present at future meetings. Members are also asked to check on existing barriers to AV/CV deployment at the federal, state and local levels. Suggestions may be e-mailed to avcommittee@dot.wi.gov.

10. Secretary Ross asked the committee to schedule upcoming meetings. *NOTE: although the committee discussed dates at the meeting, scheduling availability means that the next meetings will be held on October 18, November 15 and December 20 in Room 412E of the Capitol, all starting at 9:00 am.*

11. Secretary Ross adjourned the meeting at 11:32 am.

Members attending:

Secretary Ross
Steven Caya
Steven Cyra
Trooper Tracy Drager
Representative Fields
Kathy Heady (attending for Mark Hogan)
Elizabeth Hizmi (attending for Commissioner Nickels)
George Ivanov
Representative Kuglitsch
Senator Lasee
Jeff Lewandowski
Anne Marie Lewis
Ric Mellon
Sheriff Steven Michek
Will Neitzel
Representative Neylon
Dr. David Noyce
Damon Shelby Porter
Peter Rafferty
Tom Still
Senator Testin
Jason Tolleson
Jacob VandeLoo
Eric Williams

Committee contact information

E-mail: avcommittee@dot.wi.gov

Web site: wisconsin.gov/Pages/about-wisdot/who-we-are/comm-couns/avcommittee.aspx