American Trucking Association Technology and Maintenance Council Future Truck Program

White Paper on Automated Driving and Platooning

BISHOP CONSULTING

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Recommendations Regarding Automated Driving and Platooning Systems

Developed by the Technology & Maintenance Council's (TMC)
Future Truck Committee Automated Driving and Platooning Task Force

ABSTRACT
The development and introduction of automated vehicle technology has sparked great interest within the trucking industry. Developed by TMC's Automated Driving and Platooning Task Force under the auspices of the Council's Future Truck Committee, this Position Paper offers several recommendations regarding the development and implementation of automated driving and platooning systems. It should *not* be viewed as an endorsement of automated driving and platooning systems.

INTRODUCTION
This Position Paper offers several recommendations regarding the development and implementation of automated driving and platooning systems. It was developed by TMC's Automated Driving and Platooning Task Force under the auspices of the Council's Future Truck Committee. It should *not* be viewed as an endorsement of automated driving and platooning systems. For a comprehensive review of the intensive activity associated with the development and introduction of Automated Vehicles (AVs) and the potential issues and opportunities they pose for the trucking industry, refer to TMC's Information Report IR 2015-01, *Automated Driving & Platooning: Issues & Opportunities*.

RECOMMENDED ACTIONS FOR TMC STUDY GROUPS AND COMMITTEES
Regarding automated driving and platooning technologies, TMC's Future Truck Committee recommends that the Council:

a. Conduct a review of the benefits and impacts of near-term platooning systems to develop guidance for system developers (building on the contents of TMC IR 2015-01, *Automated Driving & Platooning: Issues & Opportunities*).
b. Assess any barriers to various forms of truck automation, particularly in terms of state/federal regulations.
c. Establish an expert consensus on the amount of fuel savings potential for various following distances, speeds and vehicle design.

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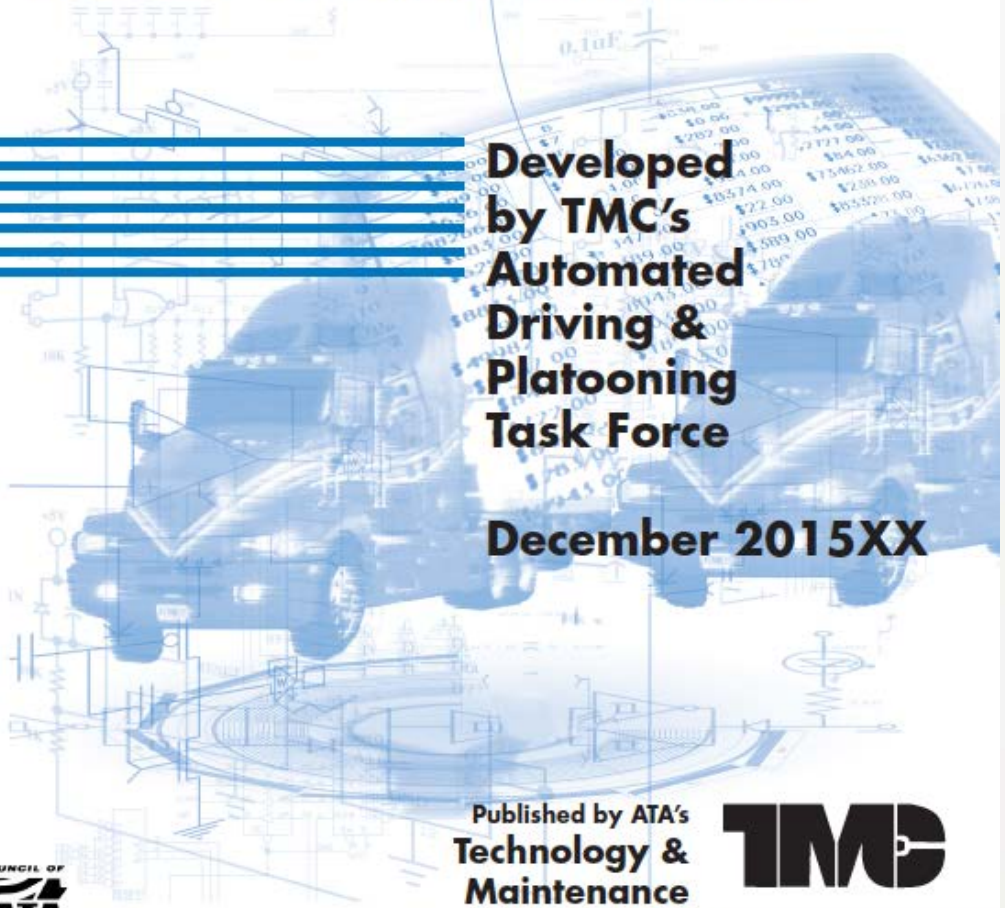
INFORMATION REPORT

Automated Driving & Platooning: Issues & Opportunities



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