



FACT SHEET

Quick Response: New England Connected Automated Vehicles

RESEARCH PROJECT TITLE

Quick Response: New England Connected Automated Vehicles

STUDY TIMELINE

April 2018 – October 2018

PRINCIPAL INVESTIGATOR

Chris Chaffee, AECOM, PI
Suzanne Murtha, AECOM, Co-PI

NETCCONTACT

Hannah Ullman
NETC Coordinator
University of Vermont
Transportation Research Center
210 Colchester Avenue
Burlington, VT 05405
802-656-1306
netc@uvm.edu

MORE INFORMATION

Link to final report:
http://www.newenglandtransportationconsortium.org/wp-content/uploads/17-1-Final-Report_20181019.pdf

The New England Transportation Consortium, a cooperative effort of the transportation agencies of the six New England States, funded this research. Through the Consortium, the states pool professional, academic and financial resources for transportation research leading to the development of improved methods for dealing with common problems associated with the administration, planning, design, construction, rehabilitation, reconstruction, operation and maintenance of the region's transportation system.

The NETC is hosted by the University of Vermont Transportation Research Center



TRANSPORTATION RESEARCH CENTER

Introduction

Each of the six (6) New England states is working to advance policies, legislation, and technical issues regarding Connected Vehicles (CVs) and Automated Vehicles (AVs). There is minimal information on the types of CV/AV issues that extend beyond state lines and how states may want to collaborate to reduce risk, minimize challenges, and capitalize on opportunities. The purpose of this research, funded by the New England Transportation Consortium (NETC), is to determine considerations for cross-border challenges and develop a roadmap of activities the states need to conduct to facilitate the operation of CVs and AVs in the region.

Methodology

Based on previous studies and discussions from a kick-off meeting with NETC, the research team developed an all-inclusive list and summary of cross-border issues for the New England States, including preliminary actions to address each issue. The team then held a stakeholder workshop, where participants deliberated over challenges and opportunities, and produced a roadmap of actions that included a list of potential regional initiatives. The research team presented their findings to NETC and published a report that includes their responses and feedback.



Conclusion

Regional coordination in anticipation of the widespread use of CVs/AVs will better educate New England's population, influence policy, reduce costs, and provide safer roadways for the traveling public. This project provides considerations for identified cross-border issues and a roadmap for implementing initiatives. It is recommended that these elements be reevaluated periodically as technology, the political climate, and state agencies evolve.

What are potential impacts?

The project will supplement the efforts of the VTTrans multi-disciplinary working group, in creating a welcoming environment for the testing and deployment of AV technologies in the state.