



# **NETC 20-4 Coordinating State Policies, Laws, and Regulations for Automated Driving Systems Across New England**



NEW ENGLAND TRANSPORTATION CONSORTIUM

Image Courtesy of VT Agency of Transportation

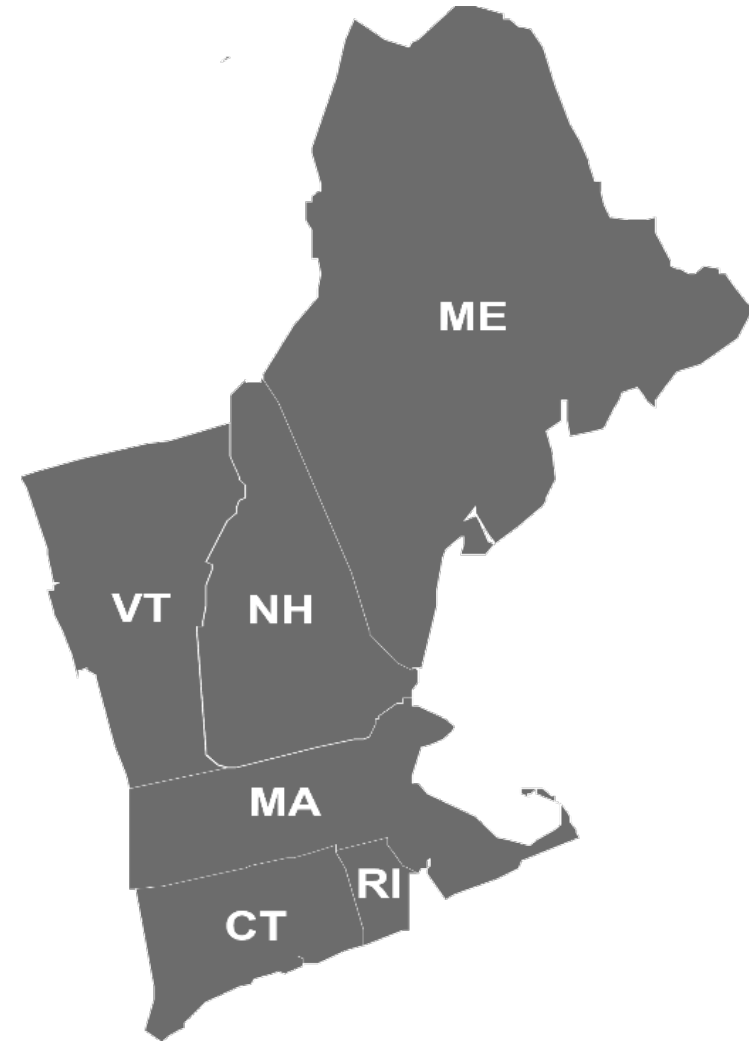
# Overarching Goal & Purpose

## Goal:

- Achieve vision of NE states for seamless operation of ADS-equipped vehicles across the region

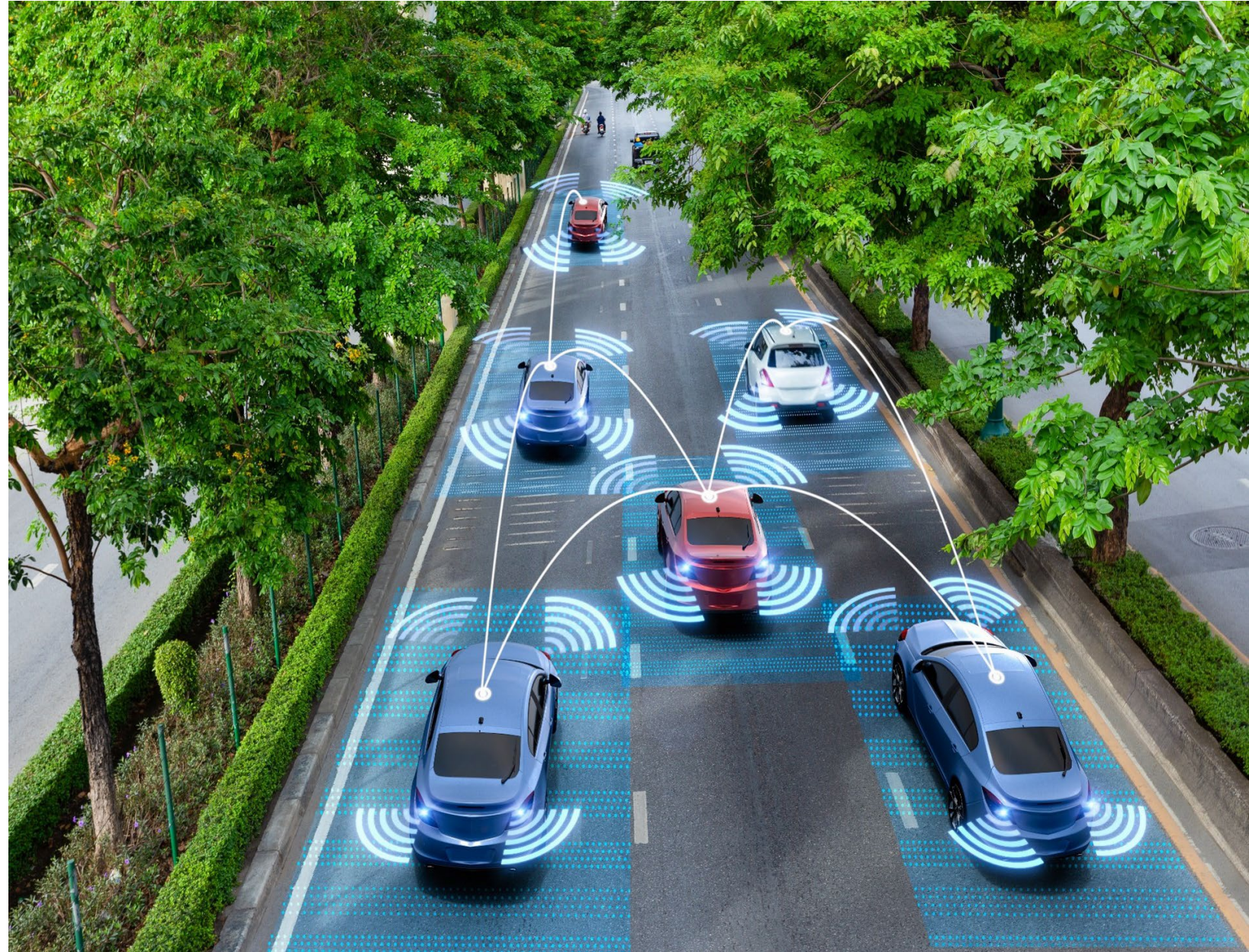
## Project Purpose:

- To develop a consistent approach to the setting of policies, laws, and regulations of ADS-equipped vehicles within New England



# Inflection point around the future of mobility

- What laws and regulations need reengineering, if any?
- What is the timing for technology deployment and how will it be integrated and scaled?
- How do we support achieving positive social benefits of AVs – safety, enhanced mobility, sustainability, and efficiency?
- What are next generation infrastructure considerations?



# ADS is being integrated into the transportation system, but not in all parts of the country.



Image Source: Stantec

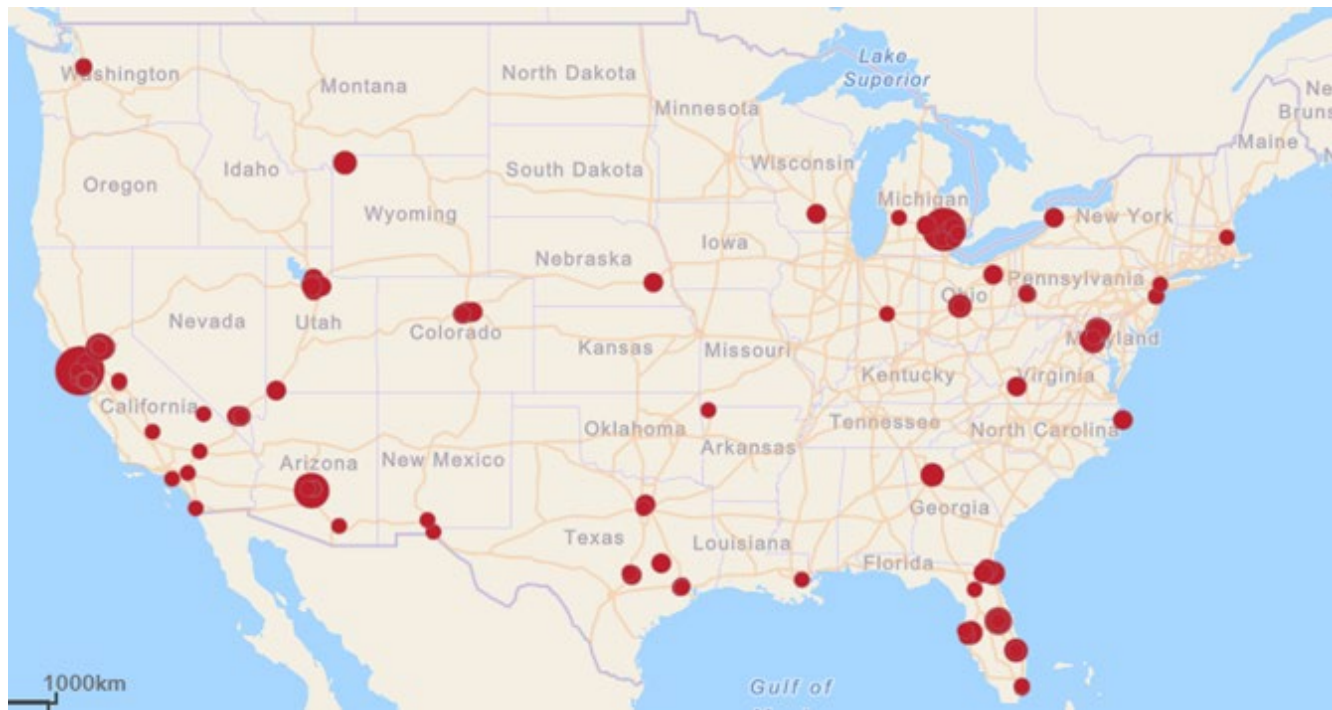


Image Source: NHSTA Test Tracking Tool Map

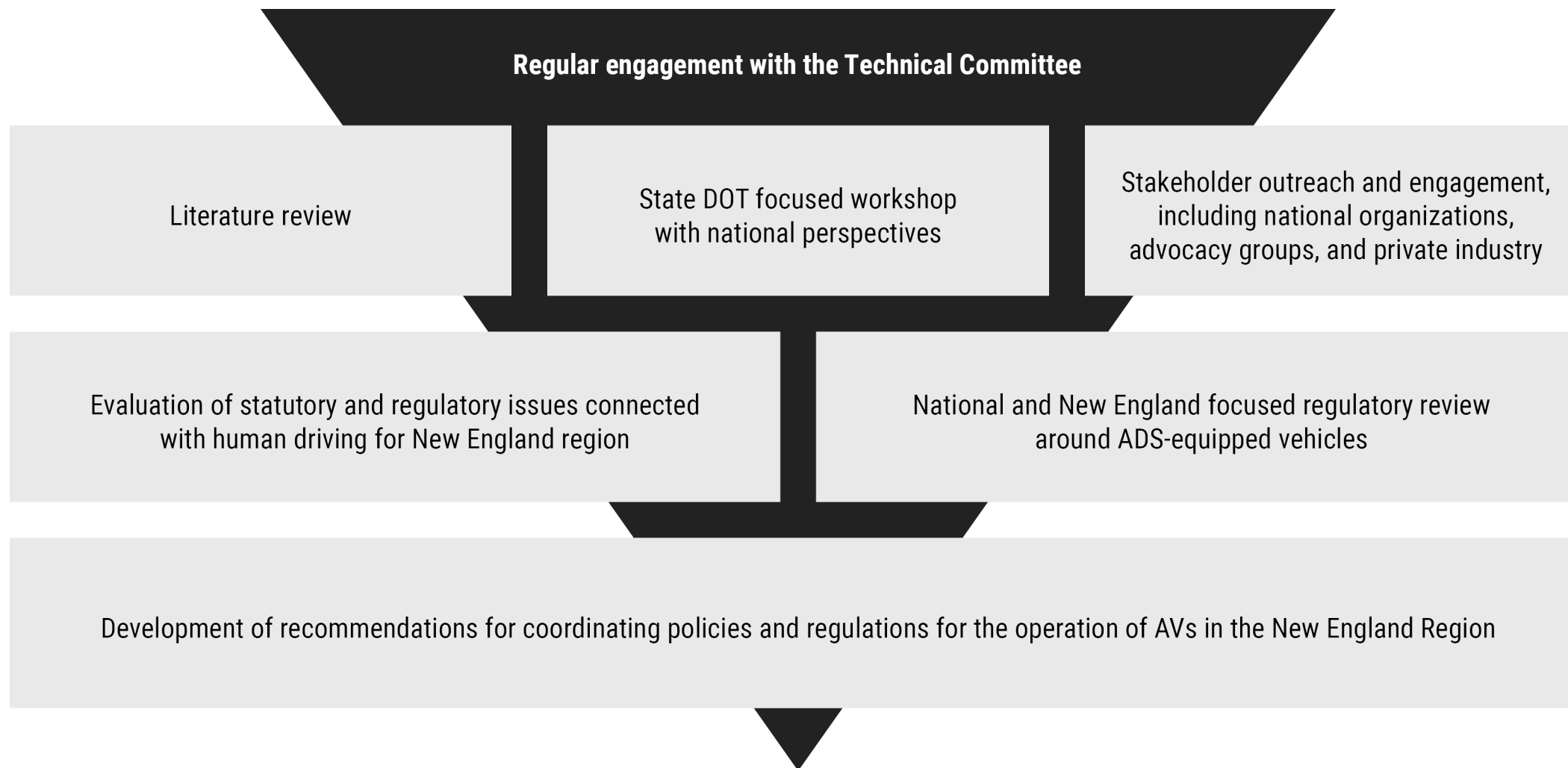


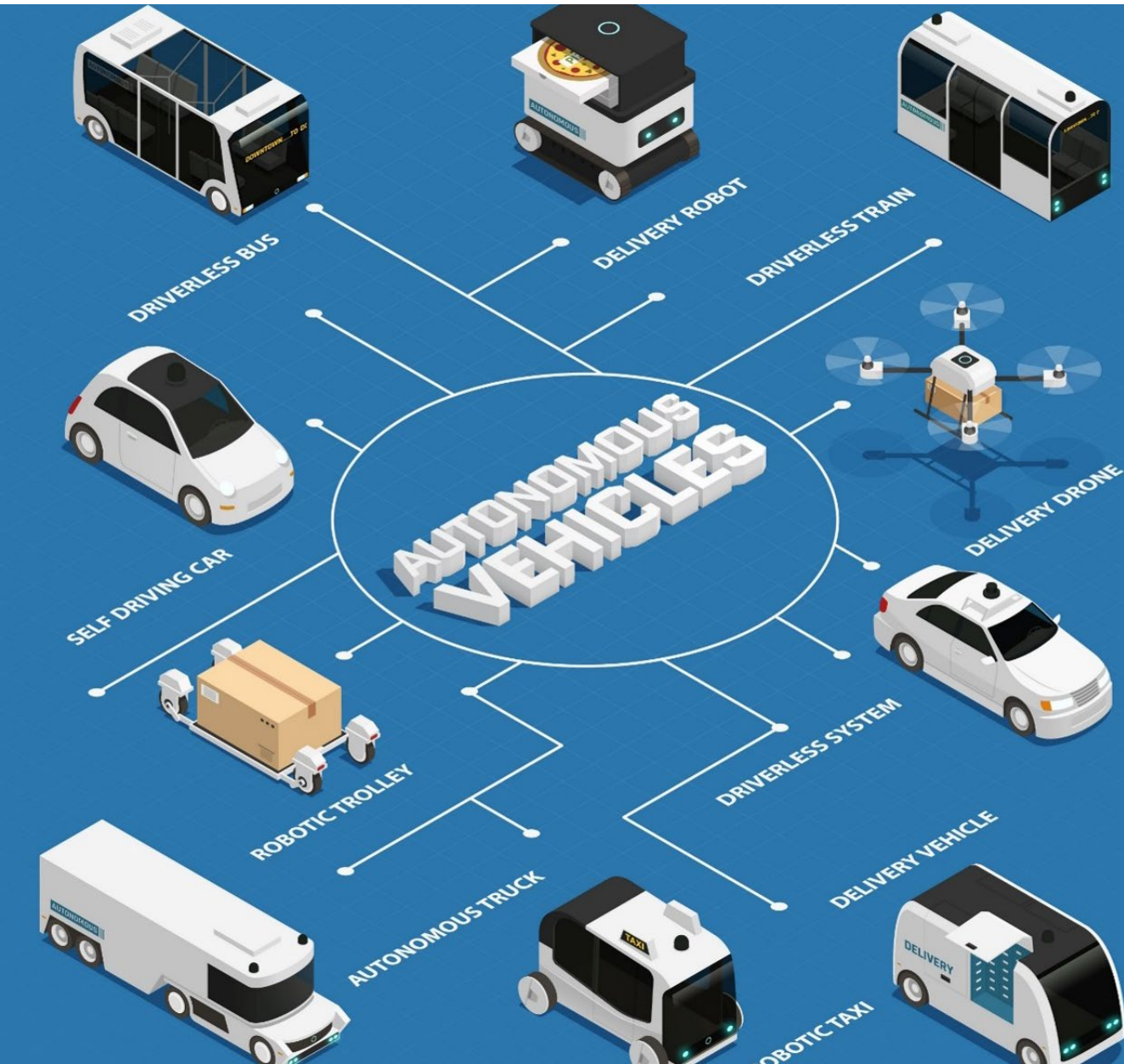
# What approaches are states taking?

- **Implementation of state policies, legislation, and/or regulations** directly focused on the testing and/or full-scale commercial operations of ADS
- Implementation of state policies, legislation, and/or regulations **seeking to establish a commission or working group** to study and make recommendations
- Issuance of a **Governor's Executive Order** promoting the testing of ADS-equipped vehicles or establishing a commission or working group
- **Intentionally not implementing** new ADS policies, legislation, and/or regulations as an active and flexible strategy or **following a determination that no policies, legislation, and/or regulations are needed at this time**
- **Intentionally not implementing** new ADS policies, legislation, and/or regulations **as a strategy to remain inactive in this space while ADS technology, use cases, and regulatory issues continue to evolve, and standards continue to evolve from USDOT and industry**



# Research Approach





# Themes from Literature Review & Stakeholder Outreach

- State coordination
  - Freight
  - Insurance
  - Safety
  - Data sharing
- ADS terminology
- Liability
- Use case considerations
- User understanding and adoption



# Key Recommendations – Snapshot

## 4.1

### ESTABLISHING ADS POLICIES, LAWS, AND REGULATIONS

Coordinate around the passage of ADS legislation and consider when legislation is warranted and a productive use of resources to advance the safe testing and deployment of ADS in the region. A priority focus is incorporating the concept that a “person” shall include a non-human in the context of ADS-equipped vehicles.

## 4.2

### DATA

Support the standardization of ADS focused data exchange between the public sector and industry, including a more consistent approach to protecting data that may be considered proprietary, confidential, or trade secrets.

## 4.3

### PILOTS/DEPLOYMENTS

Draft and approve a regionally focused ADS operations permit prioritizing on-demand ride hailing services, commercial freight, and purpose-built vehicles for local goods movement and delivery.

## 4.4

### OUTREACH AND EDUCATION

Proactively educate the public and stakeholders about ADS technology and its potential benefits. Outreach should focus on the capabilities for different types of ADS-equipped vehicles through use cases and expected responsibilities for human monitoring, if any.

## 4.5

### COORDINATION

Develop a multi-state regulatory approach to ADS testing and deployment that is deliberate around different use cases. Proposed tools include a Memorandum of Understanding signed by each state and exploring the creation of an ADS regional entity to coordinate and streamline processes for ADS deployment.



# Proposed Coordination Tools

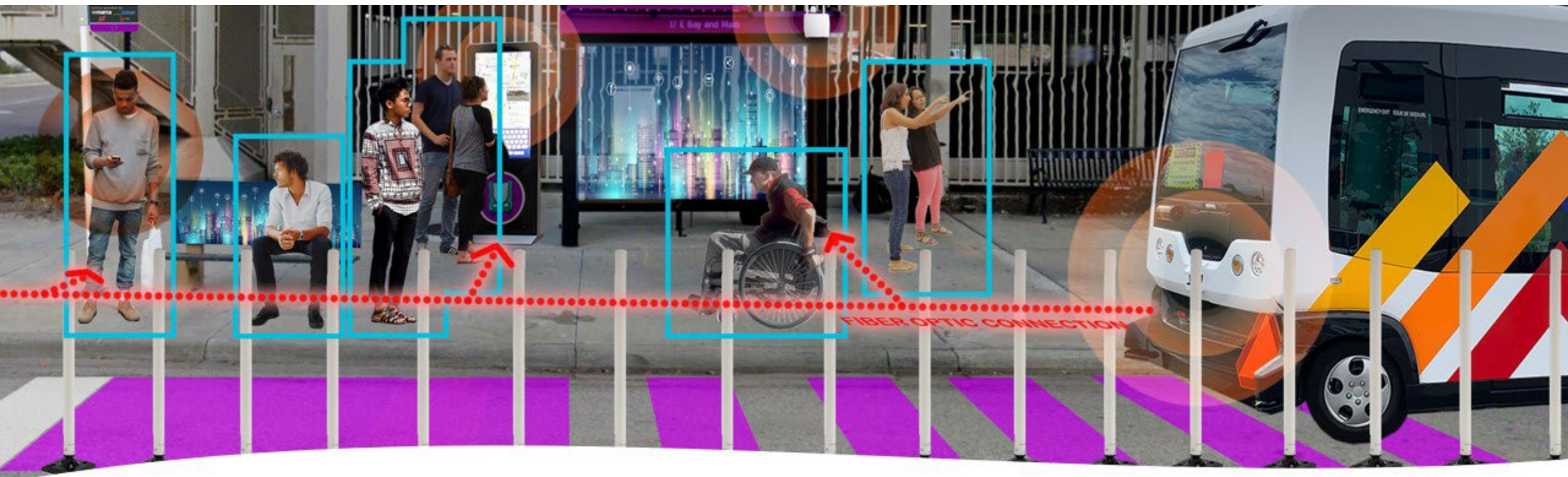
## Executing MOU at DOT Executive Level

- ✓ Opportunity to memorialize vision and coordinated efforts by the region round ADS
- ✓ Tangible resource that NE states can point to support seeking out ADS testing and deployment partnerships

## Regional Entity for ADS Coordination

- ✓ Coordinate ADS legislation in region
- ✓ Administer ADS testing and deployment process for region
- ✓ Coordinate regional partnerships focused on ADS between industry, academic institutions, federal government, and other interested stakeholders
- ✓ Manage global outreach and coordination around ADS solutions. Provide technical assistance for local governments seeking to test and deploy ADS-equipped vehicles





# Resources

[20-4 Coordinating State Policies, Laws and Regulations for Automated Driving Systems Across New England \(newenglandtransportationconsortium.org\)](https://www.newenglandtransportationconsortium.org)



# Speakers

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