

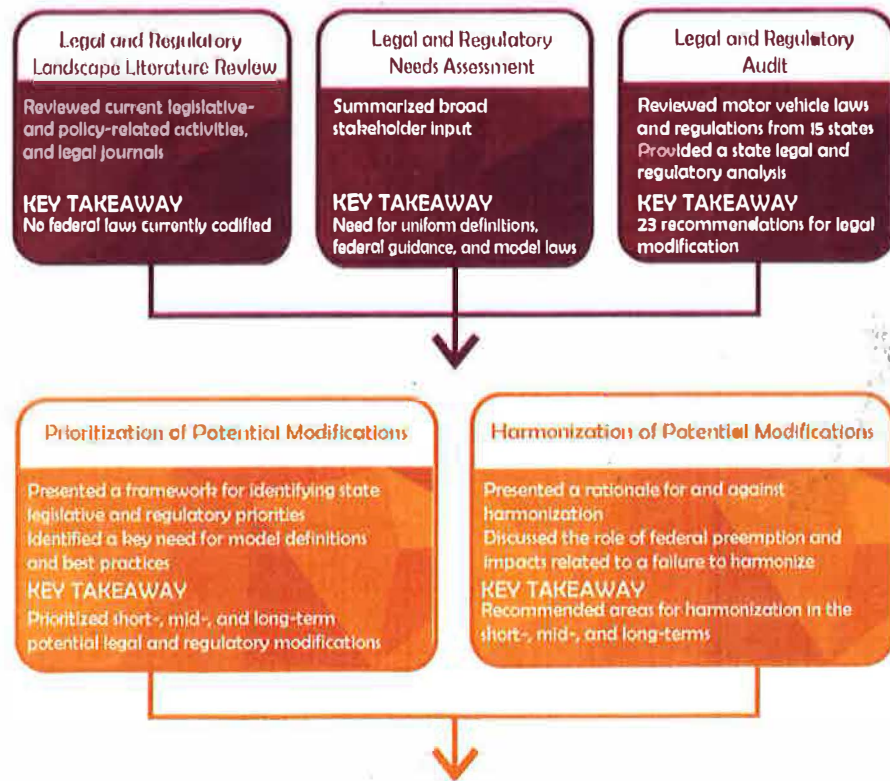
NCHRP 20-102(07) Implications of Automation for State Motor Vehicle Codes

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Checklist of State Motor Vehicle Code Provisions Potentially Needing Modification or Clarification Recommendations



Autonomous Vehicle Action Plan (AVAP)
 A Roadmap for State Motor Vehicle Law and Regulation Modification

Short-term (2020)	Mid-term (2025)	Long-term (2025+)
Definitions (e.g., "drive," "driver," "operate," "operator")	Driver licensing	Vehicle inspection
Driver only vehicle codes	Driver testing and education	Consumer protection laws (lemon laws)
Platoon-related Issues: Following-distance requirements Legal classifications of platoons Aggregate length, weight, and possible noise restrictions Lane restrictions, size, and weight restrictions	Reasonable articulable suspicion (implied consent)	Occupant safety and protection
Vehicle titling and registration	Prohibitions against use of alcohol and legal drugs	Key Takeaways
Privacy protections	Motor vehicle liability	
User attentiveness and inattentive driving	Due care standard and human judgement	Results provide state DMVs and DOTs a strategic path for working with stakeholders, state legislatures, and regulatory authorities.
Rules of the road -- applicability to C/ADS	User distractions	Focus was on existing state motor vehicle codes. Future research considering the need for new laws, and a wider range of legal issues (e.g., criminal acts involving a vehicle, constitutionality of searches of owners and vehicles) would be beneficial.
Local controls over roadways	Unfair criminal and civil sanctions on users	Continuous scanning of legal activity is essential as is awareness of ongoing research efforts, e.g., NHTSA's Assessment, Evaluation, and Approaches to Modification of FMVSS that may Impact Compliance of Innovative New Vehicle Designs Associated with Automated Driving Systems (ADS-ExV FMVSS Translations) project
Aftermarket modification	Crash reporting and rendering aid	
Unattended vehicles	Vehicle requirements	