UTC Project Information

Project Title	MPC-660 – State of the Practice of Crash Reporting in the US and Implications for CAV Safety Assessment
University	Utah State University
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Brief Description of Research Project	Connected and autonomous vehicles (CAVs) are becoming increasingly prevalent in the US, with most new vehicles having some form of Automated Driving System (ADS) or Advanced Driver Assistance Systems (ADAS). There has been significant research into the possible safety impacts of these vehicles and technologies, most coming to the conclusion that safety will improve. However, most of these studies rely on driving data, simulations, models, or surrogate safety data, which make large-scale application and assessment of current safety implications difficult for state and local transportation agencies. Even in states on the forefront of autonomous vehicle development and testing, such as Utah, there are no mechanisms in crash reporting procedures for documenting CAV-related crashes. The objective of this project is to assess the state of the practice of crash reporting in the US in the context of CAVs. This will be done via a comprehensive review of current crash reporting practices and current guidance and definitions regarding CAV safety and reporting at state, federal, and industry levels. This project is expected to produce a summary of those best practices, definitions, challenges, and knowledge gaps, as well as identify possible recommendations for state agencies regarding CAV crash reporting.

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	As this is a summary of current practice with recommendations based on those practices, there is not much to do regarding 'implementation' (other than dissemination of the results via the final report).
Impacts/Benefits of Implementation (actual, not anticipated)	This research provides a roadmap for standardizing CAV crash reporting practices across the United States. By implementing recommendations such as uniform reporting forms, enhanced legislative frameworks, and targeted education and training programs, states can achieve consistent data collection and improve safety assessments. This standardization facilitates accurate comparisons of CAV performance across jurisdictions, informing future policies and regulations. Ultimately, the research contributes to the safe and effective deployment of CAVs on public roads, fostering trust in CAV technology and enhancing road safety for all users.
Web Links • Reports • Project Website	MPC Final Report – [State of the Practice of Crash Reporting in the U.S. and Implications for CAV Safety Assessment](#)