



American Center for Mobility
CONNECTED. AUTOMATED. VALIDATED.

ADAS EVALUATION & VALIDATION STANDARDS

Automated Lane Change to Avoid Slow or Less Efficient Lanes

The American Center for Mobility supports ADAS technology testing and most global evaluation and validation standards with onsite experts, various test track environments, a fully integrated Intelligent Transportation System, and variety of custom test equipment. On over 500 acres of real-world road systems, technology teams will find confidentiality, safety and support in validating ADAS technologies.



Automated Lane Change technology is designed to provide pathing planning and path tracking for a lane change situation, relieving the driver of the task of changing lanes. Automated Lane Changing is similar to Lane Centering Technology, but rather than keeping the car centered in the lane the technology provides fast and safe lane change operations providing the potential for an appreciable reduction in traffic accidents.

The technology determines the driving trajectory estimation based on the information obtained by the sensing system, and then make decisions on the next action and then controls the vehicle. The system constantly adjusts the steering and wheel angle and speed based on the deviation between the current position and desired path until reaching the destination. ACM works with your team to measure how precisely the system accomplishes the lane change by tracking the position of the vehicle's wheels with high speed / high accuracy GPS data acquisition technology.



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