CARMA

Cooperative Automation Research Mobility Applications

Innovation • Collaboration • Open Source Mobility

CARMA is the latest in the Federal Highway Administration's (FHWA's) connected and automated vehicle research. CARMA is an open source software (OSS) platform that enables the testing and evaluation of cooperative automation concepts for improving safety and increasing infrastructure efficiency. By informing vehicles about what's ahead and what to expect, the CARMA software platform equips vehicles to interact and cooperate with infrastructure and other vehicles, facilitating the safer and more efficient movement of goods and services. The most recent version implements research and development (R&D) capabilities to support Transportation Systems Management and Operations (TSMO). CARMA is built on a flexible framework designed to be easily shared and integrated into several vehicle models including passenger cars and heavy trucks. We invite industry and academia interested in FHWA's automated vehicles research to collaborate with us on GitHub.

CARMA

LINKS

CARMA Overview: highways.dot.gov/research/
research-programs/operations/CARMA
CARMA GitHub: github.com/usdot-fhwa-stol
CARMA Confluence: usdot-carma.atlassian.net

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