



**DEPARTMENT OF TRANSPORTATION**

**[4910-EX-P]**

**Federal Motor Carrier Safety Administration**

**[Docket No. FMCSA-2020-0203]**

**Agency Information Collection Activities; New Information Collection,**

**AGENCY:** Federal Motor Carrier Safety Administration, DOT.

**ACTION:** Notice and request for comments.

**SUMMARY:** In accordance with the Paperwork Reduction Act of 1995, Federal Motor Carrier Safety Administration (FMCSA) announces its plan to submit the Information Collection Request (ICR) described below to the Office of Management and Budget (OMB) for its review and approval and invites public comment. This notice invites comment on a proposed information collection project titled Trucking Fleet Concept of Operations (CONOPS) for Managing Mixed Fleets. It is a survey study that will assess the self-reports of approximately 2,000 survey respondents, including commercial motor vehicle (CMV) fleet managers, CMV sales personnel, State and Federal government personnel, industry engineers, researchers, and CMV drivers. The questionnaire is designed to collect baseline opinions of automated driving systems (ADS) before and after hands-on demonstrations with ADS technologies.

**DATES:** We must receive your comments on or before **[INSERT DATE 60 DAYS AFTER THE DATE OF PUBLICATION OF THIS NOTICE IN THE FEDERAL REGISTER]**.

**ADDRESSES:** You may submit comments identified by Federal Docket Management System (FDMS) Docket Number FMCSA-2020-0203 using any of the following methods:

- Federal eRulemaking Portal: <http://www.regulations.gov>. Follow the online instructions for submitting comments.
- Fax: 1-202-493-2251.
- Mail: Docket Operations; U.S. Department of Transportation, 1200 New Jersey Avenue, SE., West Building, Ground Floor, Room W12-140, Washington, DC 20590-0001.
- Hand Delivery or Courier: U.S. Department of Transportation, 1200 New Jersey Avenue, SE., West Building, Ground Floor, Room W12-140, Washington, DC, 20590-0001 between 9 a.m. and 5 p.m. e.t., Monday through Friday, except Federal holidays.

Instructions: All submissions must include the Agency name and docket number. For detailed instructions on submitting comments, see the Public Participation heading below. Note that all comments received will be posted without change to <http://www.regulations.gov>, including any personal information provided. Please see the Privacy Act heading below.

Dockets: For access to the docket to read background documents or comments received, go to <http://www.regulations.gov>, and follow the online instructions for accessing the dockets, or go to the street address listed above.

Privacy Act: In accordance with 5 U.S.C. 553(c), DOT solicits comments from the public to better inform its rulemaking process. DOT posts these comments, without edit, including any personal information the commenter provides, to [www.regulations.gov](http://www.regulations.gov), as described in the system of records notice (DOT/ALL-14 FDMS), which can be reviewed at [www.dot.gov/privacy](http://www.dot.gov/privacy).

Public Participation: The Federal eRulemaking Portal is available 24 hours each day, 365 days each year. You can obtain electronic submission and retrieval help and guidelines under the “help” section of the Federal eRulemaking Portal Web site. If you want us to notify you that we received your comments, please include a self-addressed, stamped envelope or postcard, or print the acknowledgement page that appears after submitting comments online. Comments received after the comment closing date will be included in the docket and will be considered to the extent practicable.

**FOR FURTHER INFORMATION CONTACT:** Thomas Kelly, Technology Division, Department of Transportation, FMCSA, West Building 6th Floor, 1200 New Jersey Avenue, SE., Washington, DC 20590. Telephone: 202-480-5240; e-mail Thomas.Kelly@dot.gov

**SUPPLEMENTARY INFORMATION:**

**Background:** Although ADS-equipped trucks hold the promise of increased safety, productivity, and efficiency, it is not clear how these vehicles should be integrated into fleet operations with conventional trucks for mixed-fleet operations. Reflecting this issue is a question frequently asked by trucking executives: *How can I integrate ADS into my fleet operations?* FMCSA needs information from truck industry representatives regarding their opinions and perception of ADS.

The introduction of ADS technology on heavy trucks (Class 8 vehicles) will profoundly affect all commerce in the U.S., as the U.S. moves more than 70% of all goods by truck. However, existing stakeholders in the road freight ecosystem (primarily for-hire and private truck fleets, but also shippers, brokers, truck manufacturers, and service and maintenance providers) do not have a clear picture of how they will

implement ADS in their daily operations. At present, technical progress in this nascent but promising technology is outstripping the ability of truck fleets to keep up and plan for ADS deployment. This may adversely affect adoption by truck fleets and associated industries, resulting in the delayed achievement of safety, productivity, and efficiency benefits of ADS-equipped trucks. If ADS technology is to gain traction in the U.S. trucking industry, current stakeholders and new entrants need a rigorous, data driven CONOPS.

This project focuses on the development and demonstration of a CONOPS for ADS-equipped trucks, which will ensure the results translate directly to real-world settings that are of practical importance to the trucking industry, regulators, and the public at large. Part of the development of CONOPS includes a series of outreach events where the public, with a focus on truck drivers and truck fleet managers, will have the opportunity to meet ADS technology developers and original equipment manufacturers. The outreach will also provide opportunities to participate in hands-on technology demonstrations, such as in-vehicle demonstrations and closed-course scenarios. Lessons learned from this demonstration will influence all three phases of the research to ensure the CONOPS developed is true to real-life fleet operations. Thus, the purpose of the hands-on demonstrations: (1) expose truck fleet managers and other personnel, truck drivers, government officials, insurance and inspection personnel, and the general public to ADS; (2) collect valuable qualitative data on participants' opinions and perceptions regarding ADS; and (3) use the data to ensure the CONOPS covers major industry concerns.

Data will be collected from CMV drivers, CMV fleet managers, industry engineers, CMV sales personnel, researchers, and State and Federal government personnel at four roadshows. The roadshows will coincide with large conferences, such as the Technology Maintenance Council (TMC) Annual Meeting, North American Commercial Vehicle Show, SAE COMVEC, and Automated Vehicle Symposium. The questionnaire data collected in Phase I of the study (pre-roadshow) will allow us to gather baseline opinions regarding ADS technologies. Once they participate in the hands-on demonstrations at the roadshow, we will see if their opinions on the technologies have changed (Phase 2 or post-roadshow).

The research team will use cell phones to collect participant data (adhering to cleaning procedures between each participant). The pre- and post-study questionnaires will be loaded onto a cell phone which will be distributed to participants at the beginning (and end) of the roadshow. Each questionnaire will be loaded in an app format. Once the participants submit their answers, the data will be stored on the phone and will not be accessible until researchers download the data to a computer.

FMCSA conducted a pilot test with some of the proposed end-users. This pilot test included six end users, two researchers, one government employee, one commercial /motor vehicle fleet representative, and two commercial driver's license holders. Participants completed the Pre-Roadshow Questionnaire and Post-Roadshow Questionnaire, timing completion of each and reviewing for content and/or comprehension issues. Based on this pilot test, FMCSA revised the Pre-Roadshow Questionnaire and Post-Roadshow Questionnaire. Pilot test participants indicated mean completion times of 3.5 minutes and 4.4 minutes for the Pre-Roadshow Questionnaire

and Post Roadshow Questionnaire, respectively.

**Title:** Trucking Fleet Concept of Operations (CONOPS) for Managing Mixed Fleets

**OMB Control Number:** 2126-00XX.

**Type of Request:** New collection

**Respondents:** CMV fleet managers, CMV sales personnel, State and Federal government personnel, industry engineers, researchers, and CMV drivers.

**Estimated Number of Respondents:** 2,000 total respondents (675 CMV fleet managers, 150 CMV sales personnel, 600 Industry Engineers, 100 CMV Drivers, 325 State and Federal government, and 150 Researchers)

**Estimated Time per Response:** 3.5 minutes for the Pre-Roadshow Questionnaire and 4.4 minutes for the Post-Roadshow Questionnaire

**Expiration Date:** This is a new ICR.

**Frequency of Response:** On occasion (if attending one of four roadshows)

**Estimated Total Annual Burden:** 175 hours.

Estimated Annualized Burden Hours

Task	Respondents	Responses per Respondent	Annualized Total Responses	Burden per Response	Annualized Total Burden Hours*
Pre-roadshow Questionnaire: CMV Fleet Managers	675	1	455.5	3.5 minutes	26.6
Post-roadshow Questionnaire: CMV Fleet Managers	675	1	455.5	4.4 minutes	33.4
Pre-roadshow Questionnaire: Industry Engineers	600	1	396	3.5 minutes	23.1
Post-roadshow Questionnaire: Industry Engineers	600	1	396	4.4 minutes	29

<b>Task</b>	<b>Respondents</b>	<b>Responses per Respondent</b>	<b>Annualized Total Responses</b>	<b>Burden per Response</b>	<b>Annualized Total Burden Hours*</b>
Pre-roadshow Questionnaire: CMV Sales Personnel	150	1	99	3.5 minutes	5.8
Post-roadshow Questionnaire: CMV Sales Personnel	150	1	99	4.4 minutes	7.3
Pre-roadshow Questionnaire: CMV Drivers	100	1	66	3.5 minutes	3.9
Post-roadshow Questionnaire: CMV Drivers	100	1	66	4.4 minutes	4.8
Pre-roadshow Questionnaire: State and Federal Personnel	325	1	214.5	3.5 minutes	12.5
Post-roadshow Questionnaire: State and Federal Personnel	325	1	214.5	4.4 minutes	15.7
Pre-roadshow Questionnaire: Researchers	150	1	99	3.5 minutes	5.8
Post-roadshow Questionnaire: Researchers	150	1	99	4.4 minutes	7.3
<b>Annualized Total*</b>	–	–	<b>2,660</b>	–	<b>175</b>
<b>Study Total**</b>	–	–	<b>3,990</b>	–	<b>263</b>

\*Total may not equal the sum of previous items due to rounding.

\*\* The research team plans to collect data from a maximum of 2,000 respondents over 18 months.

*Public Comments Invited:* You are asked to comment on any aspect of this information collection, including: (1) whether the proposed collection is necessary for the performance of FMCSA’s functions; (2) the accuracy of the estimated burden; (3) ways for FMCSA to enhance the quality, usefulness, and clarity of the collected information; and (4) ways that the burden could be minimized without reducing the quality of the

collected information. The agency will summarize or include your comments in the request for OMB's clearance of this information collection.

Issued under the authority of 49 CFR 1.87.

**Tom Keane,**

*Associate Administrator,*

*Office of Research, Technology and Registration.*

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