

# Advanced Driver Assistance Systems (ADAS) Testing for the New Car Assessment Program (NCAP)

ACTIVE

## Contract Opportunity

### Notice ID

693JJ921R000073

### Related Notice

693JJ921R000073

### Department/Ind. Agency

TRANSPORTATION, DEPARTMENT OF

### Sub-tier

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

### Office

693JJ9 NHTSA OFFICE OF ACQUISITION

## General Information View Changes

- **Contract Opportunity Type:** Solicitation (Updated)
- **All Dates/Times are:** (UTC-04:00) EASTERN STANDARD TIME, NEW YORK, USA
- **Updated Published Date:** Aug 20, 2021 11:21 am EDT
- **Original Published Date:** Aug 04, 2021 05:59 pm EDT
- **Updated Date Offers Due:** Sep 08, 2021 02:00 pm EDT
- **Original Date Offers Due:** Sep 08, 2021 02:00 pm EDT
- **Inactive Policy:** Manual
- **Updated Inactive Date:** May 05, 2022
- **Original Inactive Date:** May 05, 2022
- **Initiative:**
  - None

## Classification

- **Original Set Aside:**
- 
- **Product Service Code:** B544 - SPECIAL STUDIES/ANALYSIS- TECHNOLOGY
- **NAICS Code:** 541380 - Testing Laboratories
- **Place of Performance:**

## DescriptionView Changes

### **Uploaded the PDF file with RFP Questions and Responses**

#### **BACKGROUND**

The New Car Assessment Program (NCAP) is a consumer information program. Its goals are to: (1) provide consumers with safety ratings and information to assist them in their vehicle purchasing decisions and (2) use market forces to motivate automobile manufacturers to design vehicles to a higher level of occupant protection. To accomplish these goals, the National Highway Traffic Safety Administration (NHTSA) conducts vehicle testing under its NCAP program and releases the test results to the public so that consumers can use this information when selecting a new vehicle to purchase.

The work described herein will allow NCAP to conduct crash avoidance tests on new vehicles to assess the performance of certain advanced technologies and provide consumers with this information. NHTSA plans to issue delivery orders for vehicle testing tests for Lane Departure Warning (LDW), Forward Crash Warning (FCW), Crash Imminent Braking (CIB), and Dynamic Brake Support (DBS) systems. NHTSA may issue delivery orders for additional vehicle testing for Lane Keeping Support (LKS), Blind Spot Detection (BSD), Blind Spot Intervention (BSI), Pedestrian Automatic Emergency Braking (PAEB), Semi-Automatic Headlight Beam-Switching (SAHBS), Lower Beam Headlighting, Adaptive Driving Beams (ADB), Intersection Safety Assist (ISA) systems, and other Advanced Driver Assistance Systems (ADAS) or automated vehicle technologies that the agency seeks to assess. These tests may require testing conducted with a motorcycle or bicycle as the surrogate vehicle, testing in dark or poorly lit conditions, and/or testing on curved roads.

NHTSA may also issue task orders for testing of Automatic Crash Notification (ACN), Advanced Automatic Crash Notification (AACN), Vehicle-to-Vehicle communication (V2V), or Vehicle-to-Infrastructure (V2I) communication. Furthermore, additional research-type testing may be conducted in conjunction with any the technologies mentioned, to investigate test failures or test anomalies, or to refine or develop test procedures.

#### **GENERAL REQUIREMENTS**

The Contractor shall provide all personnel, facilities, services, materials, supplies, and equipment (except government furnished property) necessary to perform the following: inspection, testing, and reporting services for crash avoidance technology testing conducted for the New Car Assessment Program (NCAP); and test instrumentation calibration.

NHTSA will issue delivery orders for vehicle tests that focus on performance assessments for Lane Departure Warning (LDW), Forward Crash Warning (FCW), Crash Imminent Braking (CIB), and Dynamic Brake Support (DBS) systems. Additional delivery orders may be issued for additional ADAS systems or technologies such as : Lane Keeping Support (LKS), Blind Spot Detection (BSD), Blind Spot Intervention (BSI), Pedestrian Automatic Emergency Braking (PAEB), Semi-Automatic Headlight Beam-Switching (SAHBS), Lower Beam Headlighting, Adaptive Driving Beams (ADB), Intersection Safety Assist (ISA) systems, and other Advanced Driver Assistance Systems (ADAS) or automated vehicle technologies that the agency may seek to assess. These tests may include testing conducted with a motorcycle or bicycle as the surrogate vehicle, testing in dark or poorly lit conditions, and/or testing on curved roads. NHTSA may also issue task orders for testing of Automatic Crash Notification (ACN), Advanced Automatic Crash Notification (AACN), vehicle-to-vehicle communication (V2V), or vehicle-to-infrastructure (V2I) communication. Furthermore, NHTSA may include in a task order research-type testing of a ADAS technology to investigate test failures or test anomalies, or to refine or develop test procedures.

RFP 693JJ921R000073 and all Section J attachments are attached.

## Attachments/Links

### Download All Attachments/Links

#### Attachments

Document	File Size	Access	Updated Date
<a href="#">RFP Questions and Responses.pdf</a> (opens in new window)	105 KB	Public	Aug 20, 2021
<a href="#">693JJ921R000073 RFP .pdf</a> (opens in new window)	988 KB	Public	Aug 04, 2021
<a href="#">J.8 Rear Automatic Braking Feature Confirmation Test - Draft Test Procedure Assessment, July, 2019 .pdf</a> (opens in new window)	2 MB	Public	Aug 04, 2021
<a href="#">J.12 Lane Keeping Support System Confirmation Test (Working Draft), August, 2021.pdf</a> (opens in new window)	892 KB	Public	Aug 04, 2021
<a href="#">J.1 Forward Collision Warning System Confirmation Test, February, 2013.pdf</a> (opens in new window)	628 KB	Public	Aug 04, 2021

Document	File Size	Access	Updated Date
<a href="#">J.5 Pedestrian Automatic Emergency Brake System Confirmation Test (Working Draft), September, 2019.pdf</a> (opens in new window)	891 KB	Public	Aug 04, 2021
<a href="#">J.16 Evaluauation Price Schedules .xlsx</a> (opens in new window)	23 KB	Public	Aug 04, 2021
<a href="#">J.14 Standard Form LLL Disclosure of Lobbying Activities.pdf</a> (opens in new window)	176 KB	Public	Aug 04, 2021
<a href="#">J.15 Price Schedules .xlsx</a> (opens in new window)	19 KB	Public	Aug 04, 2021
<a href="#">J.11 Amber Rear Turn Signal Lamps Confirmation Test (Working Draft), December, 2015.pdf</a> (opens in new window)	507 KB	Public	Aug 04, 2021
<a href="#">J.13 PAST PERFORMANCE QUESTIONNAIRE.docx</a> (opens in new window)	25 KB	Public	Aug 04, 2021
<a href="#">J.10 Semiautomatic Headlamp Beam Switching Device Confirmation Test (Working Draft), December, 2015.pdf</a> (opens in new window)	514 KB	Public	Aug 04, 2021
<a href="#">J.9 Lower Beam Headlighting System Visibility Confirmation Test, December, 2015.pdf</a> (opens in new window)	485 KB	Public	Aug 04, 2021
<a href="#">J.7 Blind Spot Intervention System Confirmation Test (Working Draft), August, 2020.pdf</a> (opens in new window)	1 MB	Public	Aug 04, 2021
<a href="#">J.6 Blind Spot Detection System Confirmation Test (Working Draft), May, 2020.pdf</a> (opens in new window)	847 KB	Public	Aug 04, 2021

Document	File Size	Access	Updated Date
<a href="#">J.4 Dynamic Brake Support Performance Evaluation Confirmation Test, October, 2015.pdf</a> (opens in new window)	733 KB	Public	Aug 04, 2021
<a href="#">J.2 Lane Departure Warning System Confirmation Test and Lane Keeping Support Performance Documentation, February, 2013.pdf</a> (opens in new window)	509 KB	Public	Aug 04, 2021
<a href="#">J.3 Crash Imminent Brake System Performance Evaluation, October, 2015.pdf</a> (opens in new window)	573 KB	Public	Aug 04, 2021

## Contact Information

### Contracting Office Address

- OFFICE OF ACQUISITION MANAGEMENT 1200 NEW JERSEY AVE SE, ROOM W51-30
- WASHINGTON , DC 20590
- USA

### Primary Point of Contact

- **David Larson**
- [david.larson@dot.gov](mailto:david.larson@dot.gov)
- Phone Number 2023664843

### Secondary Point of Contact

- **Sherese A. Gray**
- [sherese.gray@dot.gov](mailto:sherese.gray@dot.gov)