



Driver & Vehicle  
Standards  
Agency

# Heavy Goods Vehicle AEBS Testing

## Work Programme Section **WP095**

### **1. Introduction**

The Driver & Vehicle Standards Agency (DVSA), an executive agency of the Department for Transport (DfT), invites proposals for the following requirement

### **2. Background to the Requirement**

Road traffic has a measurable impact on safety and the environment and regulations exist to ensure that this impact is managed in a balanced way that reflects the technology level. In particular the implementation and operation of Advanced Emergency Braking Systems to assist the driver in increasing the safe use of the vehicle.

The DVSA wishes to test a range of vehicles that are representative of the heavy goods vehicle fleet currently in use on the roads of Great Britain. These tests are intended to ensure that vehicles meet the standards they were approved to. The test laboratory will be required to have the facility to provide a load simulation as per the approval requirements.

### **3. Test Programme**

Vehicle preparation and testing process shall follow the requirements and direction provided by UN ECE Regulation 131, Sections 6.7, 6.5, 6.8 and 6.4.

The programme is expected to deliver the testing of three rigid heavy goods vehicles and additional follow up testing which may be required. There may be a requirement to retest as necessary.

### **4. Vehicle Selection and Provision.**

Vehicles in this programme will be;

- Heavy Goods vehicles (7.5 Tonnes GVW)

- Rigid bodied goods vehicles either flat bed or curtain sided to facilitate load simulation.

The vehicles to be assessed will be selected by DVSA once the contract award has been confirmed.

## 5. Vehicle Preparation and Management

Vehicles assessed in this Programme will, necessarily, be taken from service. The Supplier is required to perform a series of inspections to ensure that, as far as is practicable, the vehicle is free from defect, and the laboratory shall conduct an OBD scan of the vehicle prior to commencing any work. If defects are present the laboratory shall contact the DVSA before proceeding with work.

The vehicles under test are hired to the DVSA and must be returned, undamaged, to their owners at the conclusion of their tests. Damage occurring to the vehicles during the time that they are at the laboratory will be the responsibility of the laboratory and the laboratory will be liable for any related charge from the hire company. Laboratories must have confirmation in writing from DVSA that a vehicle can be released before it is handed back to the hire company or other responsible person.

## 6. Load Simulation

The gross vehicle weight needed for testing will be confirmed with the laboratory once the contract has been let.

## 7. Required Function Tests

6.7	Deactivation test (functional test).
6.5	Warning and activation test with a moving target (three tests).
6.8	False reaction test (three tests)
6.4	Warning and activation test with a stationary target (one to three tests)

Before the commencement of each test the Authority will provide a detailed 'test request' which will include relevant data/information and specific instruction for that test.

## **8. Additional Conditions to be Met During Testing**

- 1, Data to be recorded during test;
  - speed,
  - distance to target,
  - lateral offset,
  - occurrence of warnings (optical, audible haptic),
  - front and rear brake pressure.
- 2, Tests to be carried out at a load condition to be agreed before testing.
- 3, Tests to be witnessed by VCA.
- 4, Tests to be filmed – TBC with test provider

## **9. Site Visits**

Witnessing by DVSA or VCA will not necessarily be required, but either body may on occasion seek to attend the tests. Notice will be provided if this is to occur.

The Supplier shall make arrangements – upon the Authority's request - to allow the Authority to review or inspect equipment, facility set-up and procedures at any point through the programme.

## **10. Delivery of Testing Results**

These will be provided to DVSA in the first instance with VCA providing a technical review of the results to any non-compliance to the regulations.

The completed test results provided to DVSA will be for each function test and include an overview of the content of the test and also detail the conditions of any non-compliance found

Validated results shall be provided to both the DVSA and VCA no later than 2 days following the test.

The Suppliers shall provide calibration certificates of equipment used for each test (to accompany the standard data pack).

## **11. Flexibility**

The successful bidders are expected to be flexible and work closely with the MSU as there may be a need for additional testing of vehicles found to be non-compliant. In the event that a vehicle fails the initial test, further tests may be required to be undertaken. In some cases, there may also be a requirement to test additional, identical, vehicles of the same model and type. These extra tests would be in addition to the original number of vehicles required and the timetable will be agreed between DVSA and the supplier, and cost will be agreed as per the pricing schedule.

## **12. Timetable**

The required timetable for completion of testing and delivery of results for each Section for all vehicles is set out below.

6.7	Deactivation test (functional test).	30 December 2021
6.5	Warning and activation test with a moving target (three tests).	
6.8	False reaction test (three tests)	
6.4	Warning and activation test with a stationary target (one to three tests)	

### 13. Monitoring and Reporting of progress

The successful bidder will provide progress reports through regular catch-up meetings with the DVSA Project Engineer to resolve operational issues which may arise.

The successful bidder will hold monthly progress and performance meetings with DVSA's Contract Manager where any contractual performance will be discussed

The agenda will include the following as standard,

- Agreement of minutes from previous meeting
- Monitoring of actions
- Progress and performance against work plans
- Performance against agreed costings

All meetings will either take place face to face, web based or conference calls as appropriate.

### 14. Cost and payment

Bidders must tender a **Maximum** Price for the delivery of each Section with an accompanying breakdown that details how that Maximum Price is derived.

The Services shall be paid for monthly in arrears for actual tests completed. The invoice shall be accompanied by a statement that details the activity to be charged for in that month.

A Purchase Order (PO) number will be issued to you directly on award. You must quote the aforementioned PO number on all invoices, and these must be submitted directly to [SSa.invoice@sharedservicesarvato.co.uk](mailto:SSa.invoice@sharedservicesarvato.co.uk). Invoices received without the correct PO number will be returned to you and will delay receipt of payment.

### 15. Tender Requirements

Bidders must provide the below by the closing date of **06 September 2021 at 12:00** -

- A method statement and delivery timetable that demonstrates how you will deliver the full requirement of that Section in accordance with DVSA's timeframes. (Word limit 2000 words exclusive of figures and diagrams)
- A Pricing Schedule