

THATCHAM PROPOSAL FORM

For

Invitation to ITT - Invitation to Tender Code itt 453 - Heavy Vehicle AEBS Brake Testing on Department for Transport

Method Statement & Timeframe

Date:	015/09/2021
Version:	1.1
Reference:	DVSA - HGV AEBSMethodsState

Request:

<ul style="list-style-type: none">To provide Methods Statement and Timeframe

Thatcham Research Methods Statement

- Testing will comply of testing up to 3 rigid body HGVs (up to 18T) utilising the European Vehicle Target in both static and dynamic conditions.
- All impact shall be front to rear in one axis.
- Speed shall be monitored via GPS motion pack and controlled wherever possible within a tolerance of +/-2kph.
- Testing shall be completed to provide a view as to how the vehicle would have performed against the UN/ECE R131 and is aimed to provide a guide to the robustness of typical RADAR or LIDAR based AEB systems currently deployed on the UK roads today.
- We do not aim to call into question the original regulation tests for any tested vehicle, simply to provide some understanding to robustness of systems on typical vehicles from the current Car Parc.

Testing:

- Static AEB tests at least 10kph intervals up to 50kph.
- Interurban AEB tests (moving target) at 10kph intervals up to 80Kph, with differing target speeds and decelerations.
- Motion pack instrumentation to provide accurate speed data of both vehicle and test target.
- Speed control robot where possible.

TIMING

- Expected time to conduct testing 3 weeks, starting date **To Be Agreed.**
- Test item(s) to arrive at Thatcham 3 days prior to agreed starting date **To Be Agreed.**

DELIVERABLES

- Report, to include:
Test reports and media in .jpg and .mp4 format.
- Verbal updates to be provided during the course of the testing.
- Thatcham Research also welcome DVSA staff actively overseeing the testing onsite

Contacts:

Thatcham Contact	Position	Contact Details
XXXX Redacted Under FOIA Section 40	Chief Revenue Officer	XXXX Redacted Under FOIA Section 40
Customer Contact	Position	Contact Details
XXXX Redacted Under FOIA Section 40	DVSA Commercial Category Officer	<u>XXXX Redacted Under FOIA Section 40</u>