Mr John Hayes

Agreed to

That—

(1) the Committee shall (in addition to its first meeting at 9.25 am on Tuesday 14 March) meet—
   (a) at 2.00 pm on Tuesday 14 March;
   (b) at 11.30 am and 2.00 pm on Thursday 16 March;
   (c) at 9.25 am and 2.00 pm on Tuesday 21 March;
   (d) at 11.30 am and 2.00 pm on Thursday 23 March;

(2) the Committee shall hear oral evidence on Tuesday 14 March in accordance with the following Table:
Vehicle Technology and Aviation Bill, continued

**TABLE**

<table>
<thead>
<tr>
<th>Time</th>
<th>Witness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Until no later than 10.25 am</td>
<td>Automated Driving Insurers Group; Society of Motor Manufacturers and Traders; RAC Foundation; TRL</td>
</tr>
<tr>
<td>Until no later than 11.25 am</td>
<td>National Grid; UK Electric Vehicle Supply Equipment Association; Quentin Willson, motoring journalist</td>
</tr>
<tr>
<td>Until no later than 3.00 pm</td>
<td>The Institute of the Motor Industry; Downstream Fuel Association; Association of Convenience Stores</td>
</tr>
<tr>
<td>Until no later than 3.45 pm</td>
<td>Association of British Insurers; Centre for Connected and Autonomous Vehicles</td>
</tr>
<tr>
<td>Until no later than 4.30 pm</td>
<td>Civil Aviation Authority; Association of British Travel Agents</td>
</tr>
<tr>
<td>Until no later than 5.30 pm</td>
<td>British Airlines Pilots Association; Metropolitan Police; National Police Air Services; UK Flight Safety Committee</td>
</tr>
</tbody>
</table>

(3) proceedings on consideration of the Bill in Committee shall be taken in the following order: Clauses 1 to 16; Schedules 1 and 2; Clause 17; Schedules 3 and 4; Clauses 18 to 24; Schedule 5; Clauses 25 to 27; new Clauses; new Schedules; remaining proceedings on the Bill;

(4) the proceedings shall (so far as not previously concluded) be brought to a conclusion at 5.00 pm on Thursday 23 March.

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Mr John Hayes

That, subject to the discretion of the Chair, any written evidence received by the Committee shall be reported to the House for publication.

*Agreed to*

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Mr John Hayes

That, at this and any subsequent meeting at which oral evidence is to be heard, the Committee shall sit in private until the witnesses are admitted.

*Agreed to*
The following witnesses gave oral evidence:
David Williams, Chair, Automated Driving Insurers Group
David Wong, Senior Technology and Innovation Manager, Society of Motor Manufacturers and Traders
Steve Gooding, Director, RAC Foundation
Denis Naberezhnykh, Head of ULEVs and Energy, TRL
Marcus Stewart, Head of Energy Insights, National Grid
Robert Evans, Chair, UK Electric Vehicle Supply Equipment Association
Quentin Willson, motoring journalist
Steve Nash, Chief Executive Officer, Institute of the Motor Industry
Teresa Sayers, Chief Executive, Downstream Fuel Association
Edward Woodall, Head of Policy and Public Affairs, Association of Convenience Stores
Ben Howarth, Senior Policy Advisor, Association of British Insurers
Iain Forbes, Head, Centre for Converted and Autonomous Vehicles
Richard Moriarty, Deputy Chief Executive, Civil Aviation Authority
John de Vial, Director of Financial Protection, Association of British Travel Agents
Captain Martin Drake, Chair of the BALPA Security Group, British Airline Pilots Association (BALPA)
Steve Landells, Flight Safety Specialist, BALPA
Commander Simon Bray, National Policing Lead for Airport Policing, Metropolitan Police
Chief Inspector Richard Goodwin, Metropolitan Police
Captain Paul Watts, Chief Pilot, National Police Air Services
Richard Moriarty, Deputy Chief Executive, Civil Aviation Authority

THIRD AND FOURTH SITTINGS

Clause 1, page 1, line 10, at end insert—
“(1A) The Secretary of State must consult on and publish the criteria that they will use to determine whether, in their opinion, a motor vehicle is designed or adapted to be capable, in at least some circumstances or situations, of safely driving themselves without having to be monitored by an individual.

(1B) The Secretary of State may not change the criteria until further consultation has taken place with vehicle manufacturers, insurers and other such persons as the Secretary of State considers appropriate.”

Clause agreed to.

Clause 2, page 2, line 18, leave out “owner of the vehicle” and insert “person in charge of the vehicle at the time of the accident”
Clause agreed to.

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Andy McDonald
Richard Burden
Vicky Foxcroft

Withdrawn after debate 19

Clause 3, page 3, line 6, at end insert—
“(3) The Secretary of State may by regulations define when it is and is not appropriate for a person in charge of the vehicle to allow the vehicle to drive itself.”

Clause agreed to.

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Mr Steve Baker

Withdrawn after debate 1

Clause 4, page 3, line 12, leave out “operating system” and insert “software”

Andy McDonald
Richard Burden
Vicky Foxcroft

Withdrawn after debate 20

Clause 4, page 3, line 15, leave out “vehicle’s operating system” and insert “application software related to the vehicle’s automated function”.

Mr Steve Baker

Not moved 2

Clause 4, page 3, line 15, leave out “’s operating system”

Andy McDonald
Richard Burden
Vicky Foxcroft

Not moved 21

Clause 4, page 3, line 17, at end insert “, provided that the vehicle manufacturer has made all reasonable efforts to—
(i) notify the owner of a vehicle about the need for an update of the vehicle’s operating system,
(ii) provide the relevant update of the vehicle’s operating system to the owner or insured person, and
(iii) arrange for the installation and update of the vehicle’s operating system.”

Mr Steve Baker

Not moved 3

Clause 4, page 3, line 20, leave out “operating system” and insert “software”

Mr Steve Baker

Not moved 4

Clause 4, page 3, line 23, after “install software updates” add “to the vehicle”
Vehicle Technology and Aviation Bill, continued

Mr Steve Baker
Clause 4, page 3, line 29, leave out “operating system” and insert “software” Not moved 5

Mr Steve Baker
Clause 4, page 3, line 32, leave out “‘s operating system” Not moved 6

Mr Steve Baker
Clause 4, page 3, line 39, leave out “operating system” and insert “software” Not moved 7

Clause agreed to.

Clauses 5 and 6 agreed to.

Mr Steve Baker
Clause 7, page 5, line 31, at end insert “‘software’ in relation to an insured vehicle, means those components of the vehicle’s computer system that are intangible rather than physical, however stored.” Not moved 8

Clause agreed to.

Mr Steve Baker
Clause 8, page 6, line 5, leave out “electrical” Withdrawn 9

Clause agreed to.

Richard Burden
Andy McDonald
Vicky Foxcroft

Clause 9, page 6, line 33, at end insert— Withdrawn after debate 12
“(4) The Secretary of State must consult charge point operators and vehicle manufacturers on the prescribed requirements for connecting components (before regulations under subsection 9(1b) are made).”

Clause agreed to.
Vehicle Technology and Aviation Bill, continued

Richard Burden
Andy McDonald
Vicky Foxcroft

Clause 10, page 7, line 2, at end insert—
“(2A) Regulations under subsection (1) must provide exemptions for retailers and operators in instances where adhering to such regulations would—
(a) require an expansion of land, or
(b) result in any other disproportionate costs for retailers and operators.”

Richard Burden
Andy McDonald
Vicky Foxcroft

Clause 10, page 7, line 4, at end insert—
“(4) The Secretary of State must publish, in draft, the criteria and definition of “large fuel retailers” and “service area operators” at least six months before regulations under subsection 10(3) are made.”

Clause agreed to.

Clause 11 agreed to.

FIFTH AND SIXTH SITTINGS

Richard Burden
Andy McDonald
Vicky Foxcroft

Clause 12, page 7, line 38, after “security” insert “and provide safeguards against hacking”

Clause agreed to.

Clauses 13 and 14 agreed to.

Richard Burden
Andy McDonald
Vicky Foxcroft

Clause 15, page 9, line 1, leave out from “consult” to end and insert—
“(a) the National Grid,”
Vehicle Technology and Aviation Bill, continued

(b) large fuel retailers and service area operators as defined under section 10, and
(c) any other such persons as the Secretary of State considers appropriate.”

Clause 15, page 9, leave out line 14

Clause agreed to.

Clause 16, page 11, line 31, at end insert—
“(5) Within five years of this Act receiving Royal Assent, the Secretary of State must conduct a review of the process for appealing against modification of licence conditions.”

Clause agreed to.

Schedule 1, page 22, line 17, at end insert—
“(3A) An owner or manager whose interests are materially affected under subsection (2)(c) may be defined by regulations made by the Secretary of State following consultation on and publication of the criteria used to determine whether such persons are deemed materially affected.”

Schedule agreed to.

Schedule 2 agreed to.

Clause 17 agreed to.

Schedules 3 and 4 agreed to.
Withdrawn after debate 22

Clause 18, page 13, line 20, at end insert—
“(4) The Government must publish a review within one year of this Act receiving Royal Assent the impact on UK consumers using EU-based companies affected by changes to consumer protection introduced by this section.”

Clause agreed to.

Withdrawn after debate 23

Clause 19, page 14, line 5, after “unless” insert “a full impact assessment and consultation is published and a”

Clause agreed to.

Clause 20 agreed to.

Withdrawn after debate 24

Clause 21, page 16, line 5, at end insert—
“(c) must be accompanied by an assessment of how the designation would affect existing DVSA testing facilities and staff.”

Clause agreed to.

Negatived on division 25

Clause 22, page 16, line 39, leave out from “and” to end of the subsection and insert “or (b) he or she shines or directs a laser beam at a fixed installation involved in traffic control.”

Mr Steve Baker

Clause 22, page 17, line 9, leave out “five” and insert “ten”

Not called 10
Clause 22, page 17, line 17, after “take-off,” insert “including during taxiing”

Clause 22, page 17, leave out lines 19 to 23.

Clause agreed to.

Clause 23, page 18, line 22, at end insert—
“(6A) The Secretary of State must collect and publish quarterly statistics relating to fixed penalty notices and diversionary courses, including—
(a) the number of persons issued with a fixed penalty notice after attending a diversionary course,
(b) a breakdown of the number of persons under subsection 6A(a) by police and crime commissioner geographical area.

(6B) The Secretary of State must publish a review into the diversionary courses in place of the issuance of fixed penalty notices, which includes—
(a) effectiveness in improving driver education,
(b) impact on road safety and incidents.”

Clause agreed to.

Clause 24 agreed to.

Schedule 5 agreed to.

Clauses 25 to 27 agreed to.
“Automated vehicles and criminal liability

(1) Where a road traffic offence is committed by an automated vehicle which is driving itself, neither the owner of the vehicle nor the occupant who would be deemed to be in charge of the vehicle, shall be liable for the offence unless the following condition applies.

(2) The condition is that the owner or occupant of the vehicle knew, or ought reasonably to have known, before the journey began that an offence was likely to be committed.”

“Access to driving log and recorded data

(1) The Secretary of State must set out in regulations a system for owning, recording, monitoring and accessing data produced by automated vehicles.

(2) These regulations must make provision for—
   (a) the format and content of the data recorded by automated vehicles,
   (b) how such data may be shared between interested parties, and
   (c) any limitation that should be placed on how that data can be shared or used.

(3) Where a statutory instrument contains the first regulations made under this section, the instrument may not be made unless a draft of it has been laid before Parliament and approved by a resolution of each House.

(4) A statutory instrument containing regulation under this section, that is not the first such regulation made under this section, is subject to annulment in pursuance of a resolution of either House of Parliament.”
Vehicle Technology and Aviation Bill, continued

Richard Burden
Andy McDonald
Vicky Foxcroft

Withdrawn after debate  NC3

To move the following Clause—

“Strategy for encouraging uptake of electric vehicles

The Secretary of State must, within 12 months, lay a report before Parliament setting out a strategy to further encourage the uptake of electric vehicles in the United Kingdom.”

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Richard Burden
Andy McDonald
Vicky Foxcroft

Question proposed that New Clause 4 be read a second time  NC4

To move the following Clause—

“Air pollution and vehicle technology

The Secretary of State must, within 12 months, lay a report before Parliament setting out a strategy for using vehicle technologies, including electric vehicles, to contribute to meeting Government ambitions relating to air pollution and the UK’s climate change obligations.”

Member’s explanatory statement

This new clause would require the Secretary of State to bring forward a strategy for using vehicle technology to address the issue of air pollution in the UK.

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SEVENTH SITTING

A Clause (NC4) (Air pollution and vehicle technology) — (Richard Burden) Brought up, and read the first time as follows—

The Secretary of State must, within 12 months, lay a report before Parliament setting out a strategy for using vehicle technologies, including electric vehicles, to contribute to meeting Government ambitions relating to air pollution and the UK’s climate change obligations.

Question proposed, That the Clause be read a second time.  Withdrawn after debate

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Richard Burden
Andy McDonald
Vicky Foxcroft

Not called  NC5

To move the following Clause—

“Review of regulations in Part 2

(1) Within 12 months, and once in each 12 month period thereafter, the Secretary of State must lay a report before Parliament on the regulations made using powers granted in Part 2 of this Act.
Vehicle Technology and Aviation Bill, continued

(2) The report must consider—
   (a) the effectiveness of the regulations,
   (b) the impact the regulations are having on public charge point operators,
   (c) the impact the regulations are having on fuel retailers,
   (d) the impact the regulations are having on the National Grid, and
   (e) how the regulations are impacting on the uptake of electric vehicles.”

Richard Burden
Andy McDonald
Vicky Foxcroft
Withdrawn after debate NC6

To move the following Clause—

“Licensing and accreditation scheme for technicians working on automated and electric vehicles

(1) The Secretary of State must by regulations establish a scheme for the licensing and accreditation of technicians working on automated and electric vehicles.

(2) The scheme must include details of—
   (a) which professional body will operate the licensing and accreditation of technicians,
   (b) how the licensing and accreditation scheme will operate,
   (c) a minimum level of training for technicians working on automated and electric vehicles, and
   (d) how a list of accredited individuals will be prepared and kept up-to-date.

(3) In this section “working on automated and electric vehicles” includes isolating, inspecting, repairing and maintaining vehicles that are listed under section 1 of this Act.”

Richard Burden
Andy McDonald
Vicky Foxcroft
Not called NC7

To move the following Clause—

“Cyber Security and hacking of automated and electric vehicles

The Secretary of State must, within the next 12 months, consult with such persons as the Secretary of State considers appropriate on what steps will be required for the effective cyber security of automated and electric vehicles to protect those vehicles against hacking.”
Vehicle Technology and Aviation Bill, continued

Andy McDonald
Richard Burden
Vicky Foxcroft

Withdrawn after debate  NC8

To move the following Clause—

“Consultation on the collection and use of data from automated and electric vehicles

The Secretary of State must consult with such persons as the Secretary of State considers appropriate on the collection and use of data from automated and electric vehicles. The consultation must address—

(a) who is responsible for collecting data from automated and electric vehicles and from any associated charging or network infrastructure used by such vehicles,

(b) how the data is shared between different parties, and

(c) any limitations on the use of such data.”

Andy McDonald
Richard Burden
Vicky Foxcroft

Not called  NC9

To move the following Clause—

“Updates to software and operation of automated vehicles

The Secretary of State must bring forward regulations to require that automated vehicles cannot operate in automated mode on public roads unless the application software relating to the vehicle’s automated function is up to date.”

Richard Burden
Andy McDonald
Vicky Foxcroft

Withdrawn after debate  NC11

To move the following Clause—

“Membership of European Aviation Safety Agency

Within three months of this Bill receiving Royal Assent the Government must publish a report setting out its preferred option on the future of the UK’s membership of the European Aviation Safety Agency.”

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Vehicle Technology and Aviation Bill, continued

Richard Burden
Andy McDonald
Vicky Foxcroft

Not called NC12

To move the following Clause—

“Single European Skies Movement Research project

Within three months of this Bill receiving Royal Assent the Government must publish a report setting out its position on the Single European Skies Air Traffic Movement Research (SESAR) project.”

Richard Burden
Andy McDonald
Vicky Foxcroft

Not called NC13

To move the following Clause—

“Membership of the European Common Aviation Area

Within three months of this Bill receiving Royal Assent the Government must publish a report setting out its preferred option on the future of the UK’s membership of the European Common Aviation Area.”

Richard Burden
Andy McDonald
Vicky Foxcroft

Withdrawn after debate NC14

To move the following Clause—

“Safe use of unmanned aerial vehicles (UAVs) in the UK

1 The Secretary of State must bring forward regulations on the safe use of Unmanned Aerial Vehicles (UAVs) in the UK within six months of the Bill receiving Royal Assent.

2 The regulations may include, but are not limited to, measures which—
   (a) require all new UAVs sold in the UK to have inbuilt geofencing,
   (b) establish the Civil Aviation Authority, as UAV regulator, to be the official authority on approving—permitting exemption—of “restricted areas” applied to geofencing, and
   (c) establish the formulation of a registration system—considering exemptions for members of model aircraft organisations.

3 In subsection (1) an Unmanned Aerial Vehicle (UAV) refers to an aircraft without a human pilot on board with a weight of no more than 20kg without its fuel but including any articles or equipment installed in or attached to the aircraft at the commencement of its flight, and whose flight is controlled either autonomously or under the remote control of a pilot on the ground or in another vehicle.
Vehicle Technology and Aviation Bill, continued

(4) In subsection (2)(a) geofencing refers to the use of GPS or radio frequency technology to create a virtual geographic boundary, enabling software to trigger a response when a mobile device enters or leaves a particular area.”

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Andy McDonald
Richard Burden
Vicky Foxcroft

Not called NC15

To move the following Clause—

“Power of constable to stop and search: lasers

In section 1 of the Police and Criminal Evidence Act 1984, after subsection 8C insert—

“(8D) This subsection applies to any article in relation to which a person has committed, or is committing or is going to commit an offence under section 22 of the Vehicle Technology and Aviation Bill.”

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Andy McDonald
Richard Burden
Vicky Foxcroft

Withdrawn after debate NC16

To move the following Clause—

“Review of Part 1

(1) By September 2019, the Secretary of State must lay a report before Parliament assessing the effectiveness of the system for defining and insuring automated vehicles introduced by Part 1 of this Act.

(2) The report must consider—

(a) the impact on the insurance industry,
(b) the impact on the cost of insurance premiums for automated vehicles,
(c) the impact on the uptake of automated vehicles, and
(d) the levels of disagreement between manufacturers and insurers on liability.”

Bill to be reported.