



House of Commons

NOTICES OF AMENDMENTS

given up to and including

Tuesday 7 November 2017

New Amendments handed in are marked thus ★

☆ *Amendments which will comply with the required notice period at their next appearance*

Amendments tabled since the last publication: 13 and NC12 to NC14

PUBLIC BILL COMMITTEE

AUTOMATED AND ELECTRIC VEHICLES BILL

NOTE

This document includes all amendments tabled to date and includes any withdrawn amendments at the end. The amendments have been arranged in accordance with the Order of the Committee [31 October 2017].

Alan Brown

11

Clause 4, page 3, line 13, 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.”

Member’s explanatory statement

This amendment would ensure the manufacturer has made every possible effort to inform the owner of the vehicle that a software update is needed before liability is passed to the owner.

Automated and Electric Vehicles Bill, *continued*

Alan Brown

12

Clause 4, page 3, line 36, at end insert—

“(7) The Secretary of State must by regulations establish a system by which an automated vehicle may only be approved for driving itself on public roads if all application software is up to date.”

Member’s explanatory statement

This amendment would require the Government to introduce regulations to establish a system that requires automated vehicle software to be up to date in order for them to utilise automated functions on public roads.

Karl Turner

3

Clause 9, page 6, line 22, at end insert—

“(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(1)(b) are made).”

Member’s explanatory statement

This amendment requires consultation with charge point operators and vehicle manufacturers on the requirements for connecting components for the charging of electric vehicles.

Karl Turner

4

Clause 10, page 6, line 34, 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.”

Member’s explanatory statement

This amendment ensures that there are exemptions for operators with limited forecourt space who are unable to accommodate public charging points without an expansion of land and that retailers and operators do not incur disproportionate costs for complying with regulations.

Karl Turner

5

Clause 10, page 6, line 36, 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.”

Member’s explanatory statement

This amendment would require the Secretary of State to consult on and publish criteria to be used for the definitions of “large fuel retailers” and “service area operators”. This will make clear to the industry which kinds of companies are covered by these regulations.

 Automated and Electric Vehicles Bill, *continued*

Karl Turner

6

Clause 12, page 7, line 29, after “security” insert “and provide safeguards against hacking”

Member’s explanatory statement

This amendment clarifies that smart charge points must have measures in place to safeguard against the risk of being hacked.

Karl Turner

7

Clause 15, page 8, line 33, leave out from “consult” to end and insert—

“(a) the National Grid,

(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.”

Member’s explanatory statement

This amendment would require the Secretary of State to consult specifically with the National Grid, large fuel retailers and service area operators before introducing regulations.

Alan Brown

13

★ Clause 15, page 9, line 33, at end insert—

“(3A) Before making regulations under this Part, the Secretary of State must consult the Scottish Government, the Welsh Government and the Northern Ireland Executive and have regard to their views.”

NEW CLAUSES

Karl Turner
Sir Greg Knight

NC1

To move the following Clause—

“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.”
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Automated and Electric Vehicles Bill, *continued*

Karl Turner
Sir Greg Knight

NC2

To move the following Clause—

“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.”

Karl Turner

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.”

Member’s explanatory statement

This new clause would require the Secretary of State to bring forward a broader Government strategy to address the issue of encouraging the uptake of electric vehicles in the United Kingdom.

Karl Turner

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,

Automated and Electric Vehicles Bill, continued

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.

Karl Turner

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.
- (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.”

Member's explanatory statement

This new clause would require the Secretary of State to lay a report before Parliament each year assessing the effectiveness and impact of the regulations in Part 2.

Karl Turner

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.”

Member's explanatory statement

This new clause would require the Government to bring forward regulations for technicians working on automated and electric vehicles in order to ensure they are properly trained,

Automated and Electric Vehicles Bill, continued

accredited and licensed to carry out that work. This would be regulated by a professional body who would operate a licensing scheme for those technicians.

Karl Turner

NC7

To move the following Clause—

“Cyber Security and hacking of automated and electric vehicle

The Secretary of State must, within 12 months of this Act receiving Royal Assent, 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.”

Member’s explanatory statement

This new clause would require the Government to consult on the risks of automated and electric vehicles being hacked and to ensure that measures are in place to address this.

Karl Turner

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.”

Member’s explanatory statement

This new clause would require the Government to consult on how that data should be handled, who should own the data and what it should be used for.

Automated and Electric Vehicles Bill, continued

Karl Turner

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.”

Member’s explanatory statement

This new clause would require the Government to introduce regulations that require automated vehicles to be up to date in order for them to utilise automated functions on public roads.

Karl Turner

NC10

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.”

Member’s explanatory statement

This new clause would require the Government to lay a report before Parliament assessing the effectiveness and impact of the system introduced in Part 1.

Clive Efford

NC11

To move the following Clause—

“Approval of automated vehicle software

- (1) The Secretary of State must set out in regulations a system for approving automated vehicle software.
- (2) These regulations must, in particular, make provision for—
 - (a) the criteria to be used in the approval process to determine whether automated vehicle software is safe for use on roads or other public places in Great Britain, including, but not limited to the way in which the vehicle is programmed to—
 - (i) deal with moral judgements, and
 - (ii) transition between driving itself and being driven by a person.

Automated and Electric Vehicles Bill, *continued*

- (b) the process by which manufacturers of automated vehicles may apply for software approval, including, but not limited to, any inspection and testing that the vehicle may be required to undergo, and
 - (c) the process by which manufacturers of automated vehicles may appeal if their software is not approved.
- (3) In this section, a “moral judgement” refers to any situation where an automated vehicle has, and makes, a choice of action during an accident while the vehicle is driving itself.
 - (4) In this section and section 2, the definition of transition of an automated vehicle “between driving itself and being driven by a person” may be set out by the Secretary of State in regulations.
 - (5) 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.
 - (6) 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.”

Member’s explanatory statement

This new clause would require the Government to establish a system for approving automated vehicle software. The approval process would include an opportunity for manufacturers to appeal against a failed approval process. Criteria for approval would include consideration of the way in which the vehicle was programmed to deal with moral judgements.

Alan Brown

NC12

★ To move the following Clause—

“Review of impact of Part 2

- (1) The Secretary of State must, within 12 months of this Act receiving Royal Assent, lay a report before Parliament setting out the impact of regulations made under Part 2 on—
 - (a) the number and location of charge points in the United Kingdom,
 - (b) the resulting uptake of electric vehicles in the United Kingdom, and
 - (c) the manufacturing of electric vehicles in the United Kingdom.
- (2) Before exercising their duties under subsection (1), the Secretary of State must consult the Scottish Government, the Welsh Government and the Northern Ireland Executive and have regard to their views.”

Member’s explanatory statement

This new clause would require the Government to produce a report examining the uptake and manufacturing of electric vehicles in the United Kingdom.

Automated and Electric Vehicles Bill, continued

Alan Brown

NC13

- ★ To move the following Clause—

“Report on electric charging points

- (1) The Secretary of State must, within 12 months of this Act receiving Royal Assent, lay a report before Parliament setting out a UK-wide electric charging point strategy that must include, but is not limited to, a strategy for establishing charging points for —
 - (a) domestic properties,
 - (b) urban and rural settlements, and
 - (c) the road network.
- (2) Before exercising their duties under subsection (1), the Secretary of State must consult the Scottish Government, the Welsh Government and the Northern Ireland Executive and have regard to their views.”

Member’s explanatory statement

This new clause would require the Government to consult with devolved administrations and produce a report setting out a UK-wide strategy for electric charging points.

Alan Brown

NC14

- ★ To move the following Clause—

“Report on impact of electric vehicle charging points on energy consumption

- (1) The Secretary of State must, within 12 months of this Act receiving Royal Assent, lay a report before Parliament on the impact of charging points on—
 - (a) energy consumption,
 - (b) grid management, and
 - (c) grid storage capacity.
- (2) Before exercising their duties under subsection (1), the Secretary of State must consult the Scottish Government, the Welsh Government and the Northern Ireland Executive and have regard to their views.
- (3) As well as consulting those in subsection (2) the Secretary of State must consult with—
 - (a) the National Grid, and
 - (b) any other such persons as the Secretary of State considers appropriate.”

Member’s explanatory statement

This new clause would require the Government to consult with devolved administrations and produce a report on the impact of energy consumption as a result of increased number of electric vehicles in the UK

Automated and Electric Vehicles Bill, continued

ORDER OF THE HOUSE [23 OCTOBER 2017]

That the following provisions shall apply to the Automated and Electric Vehicles Bill:

Committal

1. The Bill shall be committed to a Public Bill Committee.

Proceedings in Public Bill Committee

2. Proceedings in the Public Bill Committee shall (so far as not previously concluded) be brought to a conclusion on Thursday 16 November.
3. The Public Bill Committee shall have leave to sit twice on the first day on which it meets.

Proceedings on Consideration and up to and including Third Reading

4. Proceedings on Consideration and on any proceedings in legislative grand committee shall (so far as not previously concluded) be brought to a conclusion one hour before the moment of interruption on the day on which those proceedings are commenced.
5. Proceedings on Third Reading shall (so far as not previously concluded) be brought to a conclusion at the moment of interruption on that day.
6. Standing Order No. 83B (Programming committees) shall not apply to proceedings on consideration and Third Reading.

Other proceedings

7. Any other proceedings on the Bill may be programmed.

ORDER OF THE COMMITTEE [31 OCTOBER 2017]

That—

- (1) the Committee shall (in addition to its first meeting at 9.25 am on Tuesday 31 October) meet—
 - (a) at 2.00 pm on Tuesday 31 October;
 - (b) at 11.30 am and 2.00 pm on Thursday 2 November;
 - (c) at 9.25 am and 2.00 pm on Tuesday 14 November;
 - (d) at 11.30 am and 2.00 pm on Thursday 16 November;
- (2) the Committee shall hear oral evidence on Tuesday 31 October in accordance with the following Table:

TABLE

| <i>Time</i> | <i>Witness</i> |
|------------------------------|--|
| Until no later than 10.30 am | Automated Driving Insurers Group; TRL; Association of British Insurers |
| Until no later than 11.00 am | Unite; ITF |
| Until no later than 11.25 am | Robert Llewelyn, presenter, Fully Charged |

Automated and Electric Vehicles Bill, *continued*

| <i>Time</i> | <i>Witness</i> |
|-----------------------------|---|
| Until no later than 3.00 pm | Society of Motor Manufacturers and Traders; RAC Foundation; Petrol Retailers Association; Institute of the Motor Industry |
| Until no later than 3.45 pm | Quentin Willson, Journalist and TV presenter |
| Until no later than 4.15 pm | National Grid; UK Electrical Vehicle Supply Equipment Association; UK Power Network |
| Until no later than 5.00 pm | TRL; FiveAI |

- (3) proceedings on consideration of the Bill in Committee shall be taken in the following order: Clauses 1 to 16; Schedule; Clauses 17 to 19; 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 16 November.
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