
STATUTORY INSTRUMENTS

2017 No. 897

ENERGY

The Alternative Fuels Infrastructure Regulations 2017

Made - - - - *7th September 2017*
Laid before Parliament *11th September 2017*
Coming into force - - *9th October 2017*

The Secretary of State makes these Regulations in exercise of the powers conferred by section 2(2) of the European Communities Act 1972(1).

The Secretary of State is a Minister designated(2) for the purpose of that section in relation to energy and energy sources.

Citation and commencement

1. These Regulations may be cited as the Alternative Fuels Infrastructure Regulations 2017 and come into force on 9th October 2017.

Interpretation

2.—(1) In these Regulations —

“alternative fuel”(3) means fuel or power sources which serve, at least partly, as a substitute for fossil oil sources in the energy supply to transport and which have the potential to contribute to its decarbonisation and enhance the environmental performance of the transport sector and includes—

- (a) electricity;
- (b) hydrogen;
- (c) liquid or gaseous biofuels derived from biomass(4);
- (d) synthetic and paraffinic fuels;

(1) 1972 c. 68; section 2(2) was amended by the Legislative and Regulatory Reform Act 2006 (c. 51), section 27(1)(a) and the European Union (Amendment) Act 2008 (c. 7), section 3(3) and Schedule, Part 1.

(2) S.I. 2010/761.

(3) “alternative fuels” is defined in Directive 2014/94/EU of the European Parliament and Council of 22nd October 2014 on the deployment of alternative fuels infrastructure, Article 2(1), OJ No L 307 28.10.2014, p1.

(4) “biofuels” is defined in Article 2(i) of Directive 2009/28/EC of the European Parliament and Council of 23rd April 2009 on the promotion of the use of energy from renewable sources and amending and subsequently repealing 2001/77/EC and 2003/30/EC, OJ No L 140 5.6.2009, p16.

(e) natural gas, including biomethane in gaseous form (compressed natural gas) and liquefied form (liquefied natural gas (LNG)); and

(f) liquefied petroleum gas;

“electric vehicle” means a motor vehicle equipped with a powertrain containing at least one non-peripheral electric machine as energy converter with an electric rechargeable energy storage system, which can be recharged externally;

“enforcement authority” means the Secretary of State or, if a person has been authorised by the Secretary of State in accordance with regulation 7, that person;

“high power recharging point” means a recharging point that allows for a transfer of electricity to an electric vehicle with a power of more than 22kW;

“infrastructure operator” means the person responsible for operating a recharging point or refuelling point, whether as owner or on behalf of a third party;

“intelligent metering system” means an electronic system that can measure energy consumption, providing more information than a conventional meter and can transmit and receive data using a form of electronic communication⁽⁵⁾;

“normal power recharging point” means a recharging point accessible to the public that allows for a transfer of electricity to an electric vehicle with a power less than or equal to 22kW, excluding devices—

(a) with a power less than or equal to 3.7kW, or

(b) the primary purpose of which is not recharging vehicles;

“recharging point” means an interface which is accessible to the public and is capable of charging one electric vehicle at a time, or exchanging a battery of one electric vehicle at a time;

“refuelling point” means a refuelling facility which is accessible to the public for the provision of any alternative fuel, excluding LNG, through a fixed or mobile installation;

“renewed” in respect of a recharging point, refuelling point or shore-side electricity supply installation means the restoration or upgrade of the item’s operating capacity, excluding—

(a) work to replace or repair a single internal component or part as a result of wear and tear or the end of its operational life, or

(b) work to carry out repairs to the external structure (including connector sockets) without replacing that structure;

“shore-side electricity supply installation” means the provision of shore-side electrical power through a standardised interface to seagoing ships at berth falling within the scope of the technical specification in paragraph 4 of the Schedule; and

“statutory harbour authority” means—

(a) in relation to Great Britain, a harbour authority within the meaning of the Harbours Act 1964⁽⁶⁾; and

(b) in relation to Northern Ireland, a harbour authority within the meaning of the Harbours Act (Northern Ireland) 1970⁽⁷⁾.

(2) A recharging or refuelling point is accessible to the public if it is—

(5) “intelligent metering system” is defined in [Directive 2012/27/EU](#) of the European Parliament and Council of 25th October 2012 on energy efficiency, Article 2(28), OJ No L 315 14.11.2012, p1.

(6) [1964 c. 40](#); section 57. The definition of “harbour” was amended by the Local Government (Scotland) Act [1973 \(c. 65\)](#), section 237(1), Schedule 29 and by the Merchant Shipping Act [1995 \(c. 21\)](#); section 314(2), Schedule 13, and paragraph 33a. There are other amendments to this section which are not relevant to this instrument.

(7) [1970 c. 1 \(N.I.\)](#); section 38.

- (a) intended for use by members of the general public (including those situated in public car parks, whether or not those car parks are available only to consumers of specific goods or services); and
- (b) not intended for—
 - (i) exclusive use in respect of a vehicle produced by a specific manufacturer;
 - (ii) use by persons engaged in specific occupations;
 - (iii) use by persons whilst at their place of employment (including visitors); or
 - (iv) exclusive use by occupiers of, or visitors to, residential premises.

Standards for recharging and refuelling points and hydrogen supply in road transport

3.—(1) Subject to paragraph (4), after 17th November 2017, where any of the infrastructure referred to in paragraph (2) is deployed or renewed the infrastructure operator must ensure that it complies with the technical specifications set out in the relevant paragraph of the Schedule specified in paragraph (3).

(2) The infrastructure referred to in paragraph (1) is—

- (a) a normal power recharging point;
- (b) a high power recharging point; and
- (c) a refuelling point supplying hydrogen.

(3) The relevant paragraphs of the Schedule are—

- (a) for a normal power recharging point, paragraph 1;
- (b) for a high power recharging point, paragraph 2; and
- (c) for a refuelling point supplying hydrogen, paragraph 3.

(4) With respect to the infrastructure referred to in paragraphs (2)(a) and (2)(b), the requirements referred to in paragraphs (3)(a) and (3)(b) do not apply to wireless or inductive units.

(5) The technical specifications referred to in paragraphs 1 and 2 of the Schedule are minimum standards.

Shore-side electricity for seagoing ships

4. A statutory harbour authority which operates a shore-side electricity supply installation for seagoing ships which is deployed or renewed after 17th November 2017 must ensure that the installation complies with the requirements set out in paragraph 4 of the Schedule.

Recharging points: intelligent metering and ad-hoc access

5.—(1) After 17th November 2017, an infrastructure operator must ensure that all recharging points for which that operator is responsible incorporate intelligent metering systems which comply with the requirements specified in paragraph 5 of the Schedule.

(2) An infrastructure operator must provide to any person ad-hoc access to—

- (a) all recharging points deployed after 17th November 2017; and
- (b) all recharging points deployed on or before 17th November 2017, no later than 18th November 2018.

(3) In this regulation—

“ad-hoc access” means the ability for any person to recharge an electric vehicle without entering into a pre-existing contract with an electricity supplier to, or infrastructure operator of, that recharging point.

Data Accessibility

6. After 17th November 2017 an infrastructure operator must make accessible to the public, on an open and non-discriminatory basis, data which is available to the infrastructure operator about the geographic location of recharging or refuelling points operated by that infrastructure operator.

Duty to enforce

7.—(1) These Regulations must be enforced by the Secretary of State.

(2) The Secretary of State may authorise in writing any person who appears suitable to act on the Secretary of State's behalf to—

- (a) carry out any functions under these Regulations, other than those in regulation 20; and
- (b) exercise any of the powers provided by these Regulations.

Power of entry without warrant

8.—(1) Subject to paragraph (2), the enforcement authority may enter premises (other than premises used wholly or mainly as a private dwelling) or land at reasonable hours for the purpose of investigating whether there has been a breach of any of the requirements of these Regulations.

(2) Before the enforcement authority exercises the power of entry in paragraph (1) the enforcement authority must serve on the occupier of the premises or land a written notice.

(3) A notice under paragraph (2) must—

- (a) be served on the occupier of the premises or land at least two working days before the proposed date of entry;
- (b) set out the reason for which entry is required; and
- (c) specify the proposed date of entry.

(4) When requested, suitable identification and authorisation must be produced to the occupier of the premises or land by the enforcement authority.

Power of inspection, testing & removal

9.—(1) The enforcement authority may in exercise of the power of entry under regulation 8—

- (a) inspect the premises or land and any recharging point or refuelling point or shore-side electricity supply installation, as well as related plant or machinery situated on those premises or land;
- (b) require any person on the premises or land to produce documents, records or any other information, in whatever form it is held, within such period as the enforcement authority considers reasonable;
- (c) seize any documents, records or any other information, in whatever form it is held, any component or part of any infrastructure, plant or machinery to carry out tests on them on the premises or land or seize them and retain them to carry out tests on them elsewhere; and
- (d) take photographs or measurements.

(2) The enforcement authority must—

- (a) provide the occupier of the premises or land with a written record of the items which are seized and removed; and
- (b) retain seized items for no longer than absolutely necessary.

(3) Any object or document which is inspected or seized should, so far as possible, be retained in its original condition.

Power of entry with warrant

10.—(1) A justice of the peace may, by signed warrant, permit the enforcement authority to enter any premises or land, if necessary by reasonable force, if the justice of the peace in England and Wales on sworn information in writing, in Northern Ireland on a complaint on oath, or in Scotland by evidence on oath, is satisfied—

- (a) that there are reasonable grounds to enter those premises or land for the purposes of investigating whether there has been a breach of any of the requirements of these Regulations; and
 - (b) that any of the conditions in paragraph (3) is met.
- (2) Reference to a justice of the peace—
- (a) in Scotland, includes a sheriff;
 - (b) in Northern Ireland is a reference to a lay magistrate.
- (3) The conditions referred to in paragraph (1)(b) are that—
- (a) entry to the premises or land has been, or is likely to be, refused;
 - (b) serving a notice under regulation 8 would defeat the object of the entry;
 - (c) entry is required urgently; or
 - (d) the premises or land are unoccupied or the occupier is temporarily absent.
- (4) A warrant granted under paragraph (1)—
- (a) is valid for one month beginning on the day of issue; and
 - (b) must be produced on demand.

(5) Where the enforcement authority enters premises or land under this power and those premises or land are unoccupied or from which the occupier is temporarily absent, the enforcement authority must leave those premises or land as effectively secured against unauthorised entry as they were before entry.

Compliance notice

11.—(1) Where the enforcement authority considers that there has been a breach of the obligations in regulation 3(1), 4, 5(1), 5(2) or 6, the enforcement authority may serve a compliance notice on the person in breach.

- (2) The notice must—
- (a) be in writing;
 - (b) set out the reasons for which the notice has been served;
 - (c) describe the steps required to remedy the breach;
 - (d) specify the date by which the breach must be remedied; and
 - (e) specify the likely amount of the civil penalty to be imposed if there is a failure to rectify the breach and the basis on which it is calculated.

Notice of civil penalty

12.—(1) Where a person does not comply with a compliance notice served under regulation 11 the enforcement authority may require the person in breach to pay a civil penalty in accordance with regulation 13.

(2) Where the enforcement authority decides to impose a civil penalty, the enforcement authority must serve a notice of civil penalty on the person in breach.

- (3) A notice of civil penalty must—
- (a) be in writing;
 - (b) be dated;
 - (c) set out the reasons for which the penalty is imposed;
 - (d) set out the amount of the penalty and how it has been calculated;
 - (e) set out how to pay the civil penalty;
 - (f) require payment before the end of a period of 28 days after the date of the notice;
 - (g) include an explanation of the steps the person in breach must take if the person in breach wishes to object to the civil penalty, including the manner and form in which any notice of objection must be served; and
 - (h) include an explanation of the steps the enforcement authority may take to recover any unpaid penalty.

Amounts of civil penalty

13.—(1) The maximum civil penalty for each breach of regulation 3(1) by an infrastructure operator is—

- (a) £500 for each normal power recharging point not meeting those requirements;
- (b) £4,000 for each high power recharging point not meeting those requirements; and
- (c) £10,000 for each refuelling point supplying hydrogen not meeting those requirements.

(2) The maximum civil penalty for each breach of regulation 4 by a statutory harbour authority is £300,000 for each shore-side electricity supply installation which does not meet those requirements.

(3) The maximum civil penalty for each breach of regulation 5(1), 5(2) or 6 by an infrastructure operator is—

- (a) £300 for each recharging point which does not meet the requirements of regulation 5(1);
- (b) £1,000 for each recharging point to which ad hoc access is not provided in accordance with regulation 5(2); and
- (c) £100 for each recharging point for which relevant data is not made available to the public in accordance with regulation 6.

Objection to a civil penalty

14.—(1) A person in receipt of a notice of civil penalty may object to the penalty by serving on the enforcement authority a notice of objection before the end of the period of 28 days after the date of the notice of civil penalty.

(2) The notice of objection must be in writing and must set out the reasons for the objection.

(3) Where a notice of objection is served any sum required to be paid as a civil penalty is not payable before the end of the period of 28 days after the date of a notice under regulation 15(3).

(4) Where the objection to the civil penalty is withdrawn before a notice under regulation 15(3) is served, payment of the civil penalty must be made—

- (a) within the period for payment specified in the notice of civil penalty, or
- (b) where the period for payment in the notice of civil penalty has expired, within 7 days of withdrawal of the objection.

Consideration and notification of outcome of objection

15.—(1) The enforcement authority must consider a notice of objection served in accordance with regulation 14.

(2) Following that consideration the enforcement authority may—

- (a) cancel the civil penalty;
- (b) reduce it; or
- (c) uphold it.

(3) Following consideration of the objection, the enforcement authority must serve on the person who made an objection under regulation 14 a notice containing the information set out in paragraph (4) and, where applicable, paragraph (5).

(4) The notice referred to in paragraph (3) must—

- (a) specify whether the civil penalty has been cancelled, reduced or upheld; and
- (b) be dated.

(5) Where the civil penalty has been reduced or upheld, the notice must also—

- (a) specify the amount of the civil penalty;
- (b) provide an explanation of how the amount was calculated (whether or not it was reduced);
- (c) require payment before the end of a period of 28 days after the date of the notice; and
- (d) set out relevant information with respect to a right of appeal to the First-Tier Tribunal against the decision to impose a civil penalty.

Appeals against civil penalties

16.—(1) Any appeal against the enforcement authority's decision to impose a civil penalty under these Regulations must be made to the First-Tier Tribunal.

(2) An appeal may be brought only if the appellant has served a notice of objection and the enforcement authority has—

- (a) reduced the civil penalty under regulation 15(2)(b); or
- (b) upheld it under regulation 15(2)(c).

(3) Where an appeal is made under this regulation, the amount of the civil penalty referred to in regulation 15(5)(a) is not payable until the appeal is finally determined or withdrawn.

(4) The First-Tier Tribunal may—

- (a) cancel the civil penalty;
- (b) reduce it; or
- (c) uphold it.

Service

17.—(1) Any notice required to be served for the purposes of these Regulations may be served—

- (a) by post;
- (b) by delivering it to the person on whom it is to be served; or
- (c) with the consent of the recipient and subject to paragraphs (4) and (5), by electronic means.

(2) Where the person on whom a notice is to be served is a body corporate, the notice may be served on the director, secretary or other similar officer of that body.

(3) For the purposes of section 7 of the Interpretation Act 1978 the proper address of any person in relation to the service on the person of a notice under paragraph (1) is, if that person has given an address for service, that address, and otherwise—

- (a) in the case of a body corporate, the registered or principal office of that body; and
- (b) in any other case, the last known address of that person at the time of the service.

(4) A notice may be served by electronic transmission only where the recipient of the notice has given prior consent to the use of electronic transmission for the purposes of these Regulations.

(5) Where a person is no longer willing to accept the use of electronic transmission for the purposes of these Regulations that person must serve a notice in writing revoking consent to the use of electronic transmission for the purposes of these Regulations.

Enforcement of civil penalty decision

18.—(1) This regulation applies where a civil penalty is payable to the enforcement authority.

(2) In England and Wales, the civil penalty is recoverable as if it were payable under an order of the County Court in England and Wales.

(3) In Northern Ireland, the civil penalty is recoverable as if it were payable under an order of the County Court in Northern Ireland.

(4) In Scotland, the civil penalty may be enforced in the same manner as an extract registered decree arbitral bearing a warrant for execution issued by the Sheriff Court of any sheriffdom in Scotland.

Proceeds of civil penalties

19. Any civil penalty received by the enforcement authority must be paid into the Consolidated Fund.

Review

20.—(1) The Secretary of State must from time to time—

- (a) carry out a review of the regulatory provision contained in these Regulations; and
- (b) publish a report setting out the conclusions of the review.

(2) The first report must be published before 9th October 2022.

(3) Subsequent reports must be published at intervals not exceeding 5 years.

(4) Section 30(3) of the Small Business, Enterprise and Employment Act 2015⁽⁸⁾ requires that a review carried out under this regulation must, so far as is reasonable, have regard to how the obligations of [Directive 2014/94/EU](#)⁽⁹⁾ are implemented in other member States.

(5) Section 30(4) of the Small Business, Enterprise and Employment Act 2015 requires that a report published under this regulation must, in particular—

- (a) set out the objectives intended to be achieved by the regulatory provision referred to in paragraph (1)(a);
- (b) assess the extent to which those objectives are achieved;
- (c) assess whether those objectives remain appropriate; and

⁽⁸⁾ 2015 c. 26; section 30(3) was amended by the Enterprise Act 2016 (c. 12), section 19.

⁽⁹⁾ [Directive 2014/94/EU](#) of the European Parliament and of the Council of 22nd October 2014 on the deployment of alternative fuels infrastructure. OJ No L 307 28.10.2014, p1.

- (d) if those objectives remain appropriate, assess the extent to which they could be achieved in another way which involves less onerous regulatory provision.
- (6) In this regulation, “regulatory provision” has the same meaning as in sections 28 to 32 of the Small Business, Enterprise and Employment Act 2015 (see section 32 of that Act).

7th September 2017

Chris Grayling
Secretary of State
Department for Transport

SCHEDULE

Regulation 3(1)

Technical specifications

Normal power recharging points for motor vehicles

1.—(1) An alternating current normal power recharging point for electric vehicles must be equipped for interoperability purposes with at least socket outlets or vehicle connectors of Type 2 as described in standard EN 62196-2(10).

(2) While maintaining the Type 2 compatibility, those socket outlets may be equipped with features such as mechanical shutters.

High power recharging points for motor vehicles

2.—(1) An alternating current high power recharging point for electric vehicles must be equipped for interoperability purposes with at least connectors of Type 2 as described in standard EN 62196-2.

(2) A direct current high power recharging point for electric vehicles must be equipped for interoperability purposes with at least connectors of the combined charging system ‘Combo 2’ as described in standard EN 62196-3(11).

Technical specification for refuelling points supplying hydrogen for motor vehicles

3. Connectors for motor vehicles for the refuelling of gaseous hydrogen must comply with the ISO 17268(12) gaseous hydrogen motor vehicle refuelling connection devices standard.

Shore-side electricity supply installations for seagoing ships

4. Shore-side electricity supply installations for seagoing ships, including the design, installation and testing of the systems, must comply with the technical specifications of the IEC/ISO/IEEE 80005-1 standard(13).

Technical specifications for intelligent metering systems

5.—(1) The infrastructure operator must ensure that the intelligent metering system—

- (a) displays to the person using the recharging point the time of its use;
- (b) is secure with regard to data sent from and to it.

(2) The infrastructure operator must ensure that information on the performance of the intelligent metering system is available to the person at the point of recharging.

(10) “Plugs, socket-outlets, vehicle connectors and vehicle inlets. Conductive charging of electric vehicles. Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories”. BS EN 62196-2:2017. ISBN 978 0 580 87759 9. Published by British Standards Institute (BSI) 24th May 2017.

(11) “Plugs, socket-outlets, vehicle connectors and vehicle inlets. Conductive charging of electric vehicles. Dimensional compatibility and interchangeability requirements for d.c. and a.c/d.c. pin and contact-tube vehicle couplers”. BS EN 62196-3:2014. ISBN 978 0 580 72195 3. Published by the BSI 31st December 2014.

(12) “Gaseous hydrogen land vehicle refuelling connection devices”. BS EN ISO 17268:2016. ISBN 978 0 580 92282 4. Published by the BSI 31st December 2012.

(13) “Utility connections in port. High Voltage Shore Connection (HVSC) Systems. General requirements.” BS ISO/IEC/IEEE 80005-1:2012. ISBN 978 0 580 66260 7. Published by the BSI 31st July 2012.

EXPLANATORY NOTE

(This note is not part of the Regulations)

These Regulations implement the requirements of Directive (2014/94/EU) of the European Parliament and of the Council of 22nd October 2014 establishing a common framework of measures for the deployment of alternative fuels infrastructure (“the Directive”). The purpose of the Directive is to minimise dependence on oil and to mitigate the environmental impact of transport.

Regulation 3 sets technical requirements for certain public alternative fuel infrastructure deployed or renewed after 17th November 2017. The requirements are specified in the Schedule to the Regulations. The regulation requires infrastructure operators to ensure that normal or high power recharging points for electric vehicles comply with the minimum technical standards for socket outlets or vehicle connectors. It also requires that refuelling points supplying hydrogen meet with a technical standard in relation to their connectors for motor vehicles.

Regulation 4 requires that, after 17th November 2017, a statutory harbour authority deploying or renewing a shore-side electricity supply installation for seagoing ships, must ensure that it complies with a technical standard for the design, installation and testing of such installations as specified in the Schedule.

Regulation 5 imposes an obligation on infrastructure operators to ensure that, after 17th November 2017, public recharging points comply with requirements for intelligent metering systems as set out in the Schedule. In addition, it requires that infrastructure operators must ensure their recharging points deployed after that date provide ad-hoc access for electric vehicle users. After 17th November 2018 ad-hoc access must be provided to all remaining public recharging points.

Regulation 6 requires that infrastructure operators ensure that after 17th November 2017, data indicating the geographic location of public recharging or refuelling points, when available, must be accessible to the public in an open and non-discriminatory basis.

Regulations 7 to 18 concern enforcement of the requirements in these Regulations. They provide for powers of entry for the purpose of investigating any potential breach of the Regulations. They also set out an enforcement regime including the service of a compliance notice requiring rectification of a breach and a civil penalty if the breach is not rectified within the time specified in the notice. They also provide for a process for objecting to any civil penalty and a right of appeal to the First-Tier Tribunal where the civil penalty is upheld or reduced following objection. They also deal with enforcement of any unpaid penalty and service of notices.

Regulation 19 provides for payment of the proceeds of civil penalties to the Consolidated Fund.

Regulation 20 requires the Secretary of State to review the operation and effect of these Regulations and publish a report by 9th October 2022 and within every five years after that. Following a review it will fall to the Secretary of State to consider whether the Regulations should remain as they are, or be revoked or amended. A further instrument would be needed to revoke or amend the Regulations.

All of the standards referred to in the Schedule are available to purchase from the British Standards Institute (www.bsigroup.com), 389 Chiswick High Road, London W4 4AL.

A full Impact Assessment has not been produced for this instrument as it is not expected to have significant impact on the public or voluntary sectors and only minimal impact on the private sector is foreseen. A Regulatory Triage Assessment of the effect that this instrument will have on the costs of business and the voluntary sector is published with the Explanatory Memorandum alongside this instrument on www.legislation.gov.uk.

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.
