Integrating Plug-In Electric Vehicles with the Grid in California

Smart Charging Webinar Series

2019.12.17
EV Policy developments in the UK

Closed consultation

Electric vehicle smart charging

Published 15 July 2019
Last updated 19 July 2019 — see all updates
From: Department for Transport and Office for Low Emission Vehicles

We are analysing your feedback
Visit this page again soon to download the outcome to this public feedback.

Summary
Proposals for regulations to ensure that electric vehicle chargepoints sold or installed in the UK have smart charging functionality included.
This consultation ran from 15 July 2019 to 11:45pm on 7 October 2019

Consultation description
Consultation on proposals for electric vehicle chargepoint smart technology regulations. The proposed regulations would require that electric vehicle chargepoints sold or installed in the UK have smart charging functionality included.

https://www.gov.uk/government/consultations/electric-vehicle-smart-charging

Annex E: Draft regulations

The Electric Vehicles (Smart Charge Points) Regulations 2020

2020 No. 12
ROAD TRAFFIC

The Secretary of State, in exercise of the powers conferred by sections 15, 16, 17 and 18 of the Automated and Electric Vehicles Act 2018 (“the 2018 Act”), makes the following Regulations.

In accordance with section 16(4) of the 2018 Act, a draft of this instrument has been laid before Parliament and approved by a resolution of each House of Parliament.

The Secretary of State has consulted such persons as the Secretary of State considered appropriate in accordance with section 16(d) of the 2018 Act before making these Regulations.

PART 1

Introduction and application
These Regulations may be cited as the Electric Vehicles (Smart Charge Points) Regulations 2020 and come into force on [date].

Interpretation
In these Regulations—

“electromobility authority” means the Secretary of State or any person authorised by the Secretary of State in accordance with regulation 14;

“connected body” means a person authorised by the Secretary of State to carry out the functions referred to in regulations 6 and 12 or, if no such person has been authorised, the Secretary of State;

“cyber attack” means exploitation of a charge point’s smart functionality or of systems or networks connected to it in a manner or for purposes,
Put the UK at the forefront of the design and manufacturing of zero emission vehicles and for all new cars and vans to be effectively zero emission by 2040.
Landing Page - Smart Charging Webinar series

- YouTube Recordings
- Slides
- Details for future events

https://www.ncl.ac.uk/cesi/events/webinars/v2gwebinars/
Upcoming events

Apply and develop data science methods and tools to help in the transformation of electricity and transport infrastructure.

Contribute to open communication protocols for vehicle grid integration.

Assess security of communication, hardware and software of grid-integrated EV charging infrastructure.
**Today’s speaker**

- **Noel Crisostomo**, California Energy Commission, *Integrating Plug-In Electric Vehicles with the Grid in California*

**Topics discussed will include:**

- California is working toward the deployment of 5 million Zero-Emission Vehicles by 2030.

- To support EV uptake, the California Energy Commission—responsible for assessing the demand for electric vehicle charging infrastructure—quantified that 250,000 chargers at multi-unit dwellings, workplaces, and destinations are needed.

- This webinar will describe the charging infrastructure technology research, modeling, policy, and incentive designs that the Energy Commission is undertaking to transform the market toward seamless vehicle-grid integration.