

Introduction to UKEVSE

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Who we are:

- UK Electric Vehicle Supply Equipment Association, formed in 2013

What are our aims:

- Provide an industry voice on UK e-mobility technology, policy and stakeholder engagement (active in the UK market)

Who do we represent?:

- EV Supply Equipment including Charge Points
- Software management (back office) systems suppliers
- Charge Point Network Operators and E-mobility Service Providers

Don't currently represent installers

Current and Past Members

Current



secretariat

Past Members (13-19)



- to provide a collective and consistent voice for the active industry players within UK EVSE community
- to support the development of a national and commercially sustainable network of charge point infrastructure to meet the operational needs of electric vehicle drivers
- to help shape technical standards (hardware and software related) for UK e-mobility, including providing input to key standards committees to ensure standards that are fit-for-purpose, easy to interpret and implement, future proof. Standards are key to the trouble-free charging of electric vehicles and the development of a broadening range of e-mobility services
- to work with the motor industry to aid the processes of introducing new electric vehicles to the UK market
- to support quality assurance within the UK e-mobility system including working toward the objective that every vehicle should recharge at every charging station for every recharge request
- to ensure accurate and consistent public information regarding electric vehicle infrastructure and e-mobility schemes. This includes countering any myths and misinformation found to circulating among stakeholders with a direct or indirect interest in UK e-mobility

Policy

- Providing member input to Government policy, including consultation responses and expert working groups
- *Don't lobby politicians directly*

Technology and Standards

- Member input to OLEV Minimum Technical Standards
- Engagement with international working groups on standards (e.g. member input on OCPP, UKEVSE representation on eMI3, etc)
- *Focused and adhoc rather than hands on committee work*

Stakeholders and Market guidance

- Procurement guidance
- Presentations at stakeholder events, both national and local
- Articles submitted to trade press and other PR
- *Not B2C focus*

Examples of UK EVSE Activities

- Input to Ofgem on maximum electricity price regulations
- Dialogue with SMMT regarding EV-to-CP compatibility (as per ZE ready)
- Sector input as guidance to the OLEV Home Charger Scheme
- Challenge (jointly with Beama) to the “make your own chargepoint” promotion
- Interoperability service consultation (Gireve, Hubject, e-clearing.net) to develop UKEVSE position
- Successful lobbying for workplace charger funding support
- Stakeholder outreach including tours for the ZEV Summit delegates at Cenex-LCV2018
- Input to Parliamentary Committees including for the AEV bill
- Publications with Western Power Distribution
- Road to Zero Strategy input
- Support to BEAMA on EVET WP3 and EVET Steering Group representation
- Smart charging and building regulations consultation

Charge Point compatibility information

Procurement Guide

- First Edition launched in April 15
- Second Edition launched Sep 19

Haven't published consultation responses on website



Charging Infrastructure – Meeting Driver Needs

Concerns:

- Need to feel secure – range & queue anxiety
- Can access charging any time, any where, with ease across all locations (not as post code lottery)
- *Competition and/or price regulation*

Charging infrastructure:

- Reliable and accessible
- Open for use to as many people as possible
- Connected to journey/route planning

Meet real world demands:

- Match how we really use your vehicles
- Technology needs to support all transport needs



- EVSE market has matured
 - Less grant dependent and not overly regulated
- Individual members increasingly sophisticated in terms of outreach to represent own views
- More choice of trade associations for EVSE sector companies to join
- Time for change of Chair of UKEVSE (in process)
- In a time window to consider future direction for UKEVSE

Thank You for Your Time

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Innovations in Chargers



Managed Charging (V1G)²



Wireless charging¹

Ultra chargers (150 to 350 kW)⁴



Bi-directional Charging (V2G)³



Sources

1) www.electrans.co.uk/tag/wireless-charging/ (2016)

2) EA Technology (2016)

3) EFES project Aston University (2017)

4) electrek.co/2016/11/29/ultra-fast-charging-electric-car-network-bmw-mercedes-ford-vw/