

Data interoperability: an essential for the e-mobility ecosystem

Eurelectric policy recommendations

1. Roaming and payments

- **Ease Cross-Border and Comprehensive Access:** Implement regulations to ensure all publicly available charging stations comply with the Alternative Fuels Infrastructure Regulation (AFIR), providing access to all EV drivers and a homogeneous charging experience.
- **Accelerate ISO 15118-20 Compliance:** Encourage the acceleration of compliance with ISO 15118-20 standards to enable plug-and-charge capabilities, facilitating seamless charging experiences and enabling EVs to contribute to grid stability through smart and bidirectional charging (V2X).

2. Standards and communication protocols

- **In-Vehicle Data Act:** European Commission should propose new legislation.
- **Publish In-Vehicle Data Catalogue:** Mandate automakers to publish a catalogue of existing in-vehicle data points in a standardised format, promoting fair competition and innovation across the EV ecosystem.
- **Access to In-Vehicle Data:** Ensure that customers and third-party service operators have full access to a predetermined set of in-vehicle data, including battery state of charge, allowing charging infrastructure and grid networks to exchange information about demand and flexibility potential, thus integrating EVs as true grid assets.

3. Connecting charging infrastructure to the grid

- **Smart Charging Mandate:** Require that all new and renovated publicly accessible charging points comply with smart charging capabilities, as per AFIR (Article 5.8), to optimise charging schedules and grid integration.
- **Grid Capacity Heat Maps:** Mandate the creation of grid capacity heat maps at the distribution level, providing transparent information to stakeholders and facilitating informed planning decisions for charging infrastructure deployment.

4. Smart grid integration

- Real-Time Data Transfer Prioritisation: Prioritise investment in real-time data transfer infrastructure between Charge Point Operators (CPOs) and Distribution System Operators (DSOs) to optimise grid management and support EV charging.
- Clean and Renewable Energy Integration: Encourage the integration of smart and bidirectional charging infrastructure with decarbonised electricity sources to promote sustainable charging practices and enhance access to clean energy for EV owners.

5. Data sharing, privacy, and cybersecurity

- Standardised Data Collection: Introduce standardised data collection practices to remove inconsistencies and facilitate data interoperability across the EV ecosystem.
- Open Access to Data: Agree on principles of open and non-discriminatory access to data, ensuring a fair and reasonable compensation to the data owner for data sharing while adhering to privacy regulations such as GDPR and establishing standardised agreements for customer consent and data transfer between stakeholders.

Eurelectric pursues in all its activities the application of the following sustainable development values:

Economic Development

- Growth, added-value, efficiency

Environmental Leadership

- Commitment, innovation, pro-activeness

Social Responsibility

- Transparency, ethics, accountability



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