Green eMotion supports industry initiative for harmonisation of European electromobility data standards

Several key players in the European electromobility business have founded the open “eMobility ICT Interoperability Interest Group” to promote cross-sector ICT standards for interoperability of electric vehicle (EV) services. Goal is to define a common set of standardised interfaces for communication between the different ICT systems necessary for a convenient user experience when using electric cars. This covers also data formats for identification and authorisation on marketplace systems, which will allow for a roaming functionality with EVs.

Green eMotion as a major funded EU project in the area of electromobility has signed up for this Interest Group as well in order to stress the importance of such an initiative and supports the goal of the project to standardize interfaces in the electromobility domain. With the common knowledge of these different stakeholders the initiative aims to

■ Enable global EV services interoperability by harmonizing existing and preparing standardisation of future ICT data standards & protocols including security and authentication.
■ Enable global EV service development by harmonizing and improving implementation between all sectors.
■ Coordinate and build upon the work of other EV initiatives and, especially, enable European projects to provide interoperability for EV users.
■ Support all required business processes and speed up introduction of new services to provide a richness of compelling services to EV users. Especially, EV users should be able to use any charging point.

The scope of this group includes all ICT interfaces, application level protocols and standardized software services supporting all required business models and platforms of the stakeholders within the EV market. Initially, the intent is to focus on unique identifiers, data models, attribute lists and data structures including those to enable interoperability of market places and clearing houses. With this harmonization of the ICT data definitions, formats, interfaces, and exchange mechanisms electromobility ICT standards will be created and/or enhanced. After review and approval within the group, all outputs should be publicly available through open channels, such as a public website. The group is open to new stakeholders.

First results of the “eMobility ICT Interoperability Interest Group” will be presented at the Green eMotion Stakeholder Forum on November 27/28, 2012 in Ehningen (near Stuttgart, Germany).

Green eMotion is a large-scale European electromobility demonstration project, launched within the European Union’s Green Cars Initiative. It brings together 43 partners from industry, energy sector, electric vehicle manufacturers, municipalities as well as universities and research institutions. The aim is to develop and to demonstrate a commonly accepted and user-friendly framework consisting of interoperable and scalable technical solutions in connection with a sustainable business platform. Smart grid developments, innovative ICT solutions, different types of electric vehicles and urban mobility concepts will all be taken into account. The four-year project started in March 2011. It has a total budget of €42m, €24m of which are funded by the European Commission.