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CharIN Comments AB 2127 Assessment

Additional submitted attachment is included below.

CharIN Interface Initiative North America (CharIN)
1300 I (Eye) St. NW Suite 400 E, Washington DC, 20005



September 21, 2023

California Energy Commission, Fuels and Transportation Division
715 P Street
Sacramento, CA 95814

RE: Support for the EV Charging Infrastructure Assessment’s Discussion of Interoperability

Dear California Energy Commission,

On behalf of the members of Charging Interface Initiative (CharIN) North America, we want to provide our support for the discussion on interoperability outlined in the second draft report of the AB 2127 Electric Vehicle Charging Infrastructure Assessment. CharIN is the largest global association focused on the electrification of all forms of transportation based on the seamless and interoperable charging experience enabled by the Combined Charging System (CCS) and the Megawatt Charging System (MCS). CCS and MCS are the global standards for charging vehicles of all kinds. An inclusive, industrywide coalition, CharIN represents nearly 300 leading e-mobility stakeholders, from automakers to utilities, grid operators, component suppliers, and charging station developers. Nearly 75 of these members are based in the United States. A complete list of members may be found on our website at www.charin.global.

We appreciate the Commission’s attention to the important topic of interoperability. As we navigate the path towards electrification, the nationwide deployment of universal, reliable charging infrastructure is crucial. Interoperability plays a central role by providing critical customer experience benefits that will help ensure that charging is accessible and simple. It’s critical for the Commission to consider interoperability holistically as a part of meeting California’s zero-emission vehicle adoption targets.

CharIN’s believes that the correct implementation of open standards will ensure long-term interoperability and reliability. In particular, the implementation of the communication protocol ISO 15118 will be key to achieving interoperability in the EV charging ecosystem. ISO 15118 enables “plug and charge,” which streamlines the charging experience to make it effortless and beneficial for all customers, and plays an integral role in providing future bidirectional charging capabilities. By embracing this protocol, we can usher in a new era of customer-oriented

charging solutions and foster innovation and growth throughout the broader e-mobility system.

CharIN also supports the draft report's exploration of Vehicle Grid Integration (VGI) including the four pillars for advancement outlined. VGI technologies have myriad potential benefits, including the maximization of customer savings and the optimization of the power grid. Enhanced interoperability, coupled with private industry innovations in charging products and services, will ensure customer access to VGI capabilities.

In conclusion, CharIN stands ready to collaborate with the CA Energy Commission to advance the cause of interoperability and VGI in the EV charging ecosystem. We appreciate the Commission's inclusion of these topics in the second draft report of the AB 2127 Electric Vehicle Charging Infrastructure Assessment.

Sincerely,

A handwritten signature in black ink, appearing to read "Erika H. Myers". The signature is fluid and cursive, with the first name "Erika" being the most prominent part.

Erika H. Myers
Executive Director
CharIN North America