



Berlin, April 8th, 2019

CharIN Implementation Guide for Plug and Charge based on ISO 15118 published

The CharIN e.V. Focus Group Charging Communication worked out a detailed implementation guide for the charging communication feature “Plug and Charge” of the ISO/IEC 15118 communication protocol.

The ISO/IEC 15118 charging communication protocol defines the vehicle to charging station communication. Within the Combined Charging System (CCS) it is specified to enable interoperable charging as an important component in ecosystem. It provides additional charging features and ensures long time invest protection for all market participants. Features like Plug and Charge and further value-added services will make charging as convenient as possible.

With ISO 15118 edition 2 also bi-directional charging is supported. This means charging and discharging of electric vehicles. Thus, the technical framework for different variations of integrating electric vehicles in intelligent grid networks has been developed. For the specified functionalities a powerline communication module is needed (PLC) as well as a TCP/IP protocol stack.

For more information, please visit <https://www.iso15118.org/>

The CharIN e.V. Focus Group Charging Communication worked out a detailed implementation guide for the charging communication feature “Plug and Charge” of ISO/IEC 15118. The document is available for all CharIN members. The major goals of this document are:

- Provide a brief introduction to the e-Mobility market, its actors and their relation to ISO 15118 – 2:2014
- Introduce the major concepts and used technologies of ISO 15118 – 2:2014
- Ease the implementation of Plug and Charge in compliance with ISO 15118 – 2:2014 for all EV market participants with a more practical approach, by elaborating on the most crucial use cases



- List the most prevailing implementation related requirements for both the ISO 15118 – 2:2014 protocol stack and the needed certificate exchange

For the announcement and a brief overview please visit:
https://www.iso15118.org/fileadmin/Academy/190130_Announcement.pdf

Additionally, the CharIN Academy offers ISO/IEC 15118 trainings as part of a well-established set of courses on charging communication, High Power Charging and Cable Technology, Safety, Plug and Charge and many more.

Registration is opened for everybody. The upcoming trainings as well as further information can be found at www.charin-academy.com

Information about CharIN e.V.

The Charging Interface Initiative e.V. (CharIN e.V.) is a registered association with over 160 members along the whole value chain from all over the world. It is open to all interested parties and has offices in Germany, Hong Kong, China, South Korea, India, Japan and the US.

Please find more information under: www.charinev.org

Press Contact:

Charging Interface Initiative e.V.
c/o innos - Sperlich GmbH
Schiffbauerdamm 12
D- 10117 Berlin
Germany

Tel.: +49 30 288 8388-0

Fax: +49 30 288 8388-19

E-Mail: info@charinev.org