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CHAdeMO Association

CHAdeMO to jointly develop next-gen Ultra-Fast Charging Standard with China

- CHAdeMO signs an MoU with China Electricity Council (CEC) for co-development of next generation ultra-fast EV charging standard
- New ultra-fast charging standard will ensure backward compatibility with both current CHAdeMO and GB/T standards, in order not to penalize current EV users
- Both Japanese and Chinese governments support this industry initiative, which is expected to lead the way towards a single harmonised future standard

CHAdeMO Association announced today their decision to jointly develop the next generation Ultra-Fast charging standard with China Electricity Council (hereafter CEC), China's official association of utilities in charge of their national regulations and standards related to electricity. Two entities will sign a Memorandum of Understanding on August 28th in Beijing, China, to kick-start their collaboration.

CHAdeMO protocol, a Direct Current fast charging standard recognised by the IEC* and the most popular international standard with over 18,500 charging points covering the EV market worldwide, set its specification at 500V and 125A when it was initially defined in 2009. After updates in 2017 and 2018, its current specification goes up to 1000V and 400A to cater to the market demand.

CEC, a Government approved association in charge of standardisation of EV charging equipment. is evaluating high-power charging technologies and promoting demo projects and pilot studies for the creation of a new, Ultra-Fast charging standard to prepare for the expected market needs in the future. CHAdeMO Association and CEC reached an agreement to jointly proceed with such development.

This joint development should lead to a next-generation Ultra-Fast charging technology that is safe and versatile. As the new Ultra-Fast charging standard aims to ensure interoperability with existing CHAdeMO and GB/T fast charging standards, it is also expected that the new standard will be adopted not only in Japan and China but also in many other EV markets worldwide, and to contribute to the further roll-out of EV charging network.



CHAdeMO's Secretary General Dave Yoshida said: *"We are pleased to work together with CEC to develop an ultra-fast charging standard to prepare for the future charging needs, while ensuring safety and interoperability, which is a core value of CHAdeMO protocol. We believe the outcome of this joint development will pave the way towards a single harmonised standard in the future."*

This joint development falls into one of the strategic categories defined as "Enhancing international harmonisation in vehicle electrification policies" in the Japanese government's New Strategy for the automobile industry, which was recently announced by the Ministry of Economy, Trade and Industry, and will be strongly supported by both the Japanese and Chinese governments.

The Memorandum of Understanding aims to kick-start harmonisation for the next-generation international charging standard, for accelerating further deployment of electrified vehicles in wider vehicle categories, by starting the joint development activities based on the cutting-edge technologies foreseeable in the near term as an initial step.

*IEC: International Electrotechnical Commission

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