

CHAdEMO - 1.0.0

- Specification Task Team

Member (1)

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(1) as of 2010.12

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- 1st active period and goal

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2010-12-31 : draft document of CHAdEMO-1.0.0

- Maintenance and improvement of the specification document
- Additional requirement, including EMC and etc.

Topics - 1

- EMC
 - Emission ⁽¹⁾ and Immunity
 - ⁽¹⁾ Including disturbance level for RF equipments, Intelligent key and Cardiac pacemaker
- Sequence circuit
 - Voltage tolerance on the 12V power supply unit
 - Additional resistor to the 'charge permission and prohibition' line and the 'verification of connector connection' line
 - Specification of resistor values
 - Specification of minimum current of contactor 'd1', 'd2' and opt-coupler 'j'
- Coordination of control units
 - Shutdown sequence ⁽²⁾ of Inverter circuit and 12V power supply unit in case of power outage and etc.
 - ⁽²⁾ Power outage -> INV off -> 12V power supply (for EV relay) off -> 'd1', 'd2' off

Topics - 2

- Issues on the overvoltage category and Lightning surge protection
- CAN
 - Bit sample point
 - The difference between measured value (Voltage, Current) and value on CAN data due to delay of processing inside charger.
- Simplification of the time-out compliance specification
 - change from the ‘band-type time-compliance’ to the ‘point-type time-compliance’
- Change the error code name of vehicle CAN ID102.5.2
 - Present : ‘ other vehicle fault’
 - Modified : ‘ system error ‘
- Improvement of documentation
 - Readability of text, software flowchart and data table
 - Clarification of hardware requirements; such as AC-ground fault detection and interaction device, ground wiring, connector-lock monitoring device and etc.