P2030.1.1

Submitter Email: eloi.taha@nissan-usa.com
Type of Project: Revision to IEEE Standard 2030.1.1-2015
PAR Request Date: 27-Jul-2017
PAR Approval Date: 28-Sep-2017
PAR Expiration Date: 31-Dec-2021
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 2030.1.1-2015

1.1 Project Number: P2030.1.1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard Technical Specifications of a DC Quick and Bi-directional Charger for Use with Electric Vehicles
Changes in title: Standard Technical Specifications of a DC Quick and Bi-directional Charger for Use with Electric Vehicles

3.1 Working Group: Working group for creating technical specifications of quick charger for electric vehicles (VT/ITS/WG-P2030.1.1)
Contact Information for Working Group Chair
Name: Alexandre Beaudet
Email Address: alex.beaudet@gmail.com
Phone: 5145538994

Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Vehicular Technology Society/Intelligent Transportation Systems (VT/ITS)
Contact Information for Sponsor Chair
Name: Thomas Kurihara
Email Address: t.kurihara@ieee.org
Phone: 703 516 9650

Contact Information for Standards Representative
Name: Thomas Kurihara
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4.1 Type of Ballot: Entity
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 04/2018
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2018

5.1 Approximate number of entities expected to be actively involved in the development of this project: 5
Changes in scope: This standard specifies the design interface of electric vehicles and: a) direct current (dc) quick bi-directional chargers that utilize battery electric vehicles as power storage devices.

5.2 Scope: This standard specifies the design interface of electric vehicles and; a) direct current (dc) bi-directional chargers that utilize battery electric vehicles as power storage devices.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: In an evolving industry, specifications and requirements for the promotion of safe and efficient DC quick charging and bi-directional charging applications are crucial to the further deployment and development of the electric vehicle community. The standard will be revised to include additional design requirements to cover the latest technological advancements in the field of bi-directional charging (V2X), ultra-rapid charging up to 400 kW and Smart (dynamic control) charging.

5.6 Stakeholders for the Standard: auto manufacturers, charging equipment manufacturers, utilities, consumers, regulatory and governmental agencies.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes
If yes please explain: There is an agreement between CHAdeMO Association and IEEE regarding copyright issues.

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: Yes
If Yes please explain: IEC 61851-23 Ed. 1 defines the specification requirements for DC quick chargers. It is currently under revision for Ed. 2.

and answer the following
Sponsor Organization: IEC
Project/Standard Number: IEC 61851-23
Project/Standard Date: 11-Mar-2014
Project/Standard Title: ELECTRIC VEHICLE CONDUCTIVE CHARGING SYSTEM - Part 23: DC electric vehicle supply equipment

7.2 Joint Development
Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: