

EV CHARGER CERTIFICATION

JOINTLY OFFERED BY CHADEMO AND IEEE

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STANDARDS DEVELOPMENT UPDATE

- IEEE & CHAdeMO have been jointly working on standards and conformity assessment for almost 10 years

IEEE 2030.1.1

- CHAdeMO 1.0 & 1.1
- Published in 2016
- Published Test Suite Specification v1.0 in 2019

IEEE 2030.1.1 revision

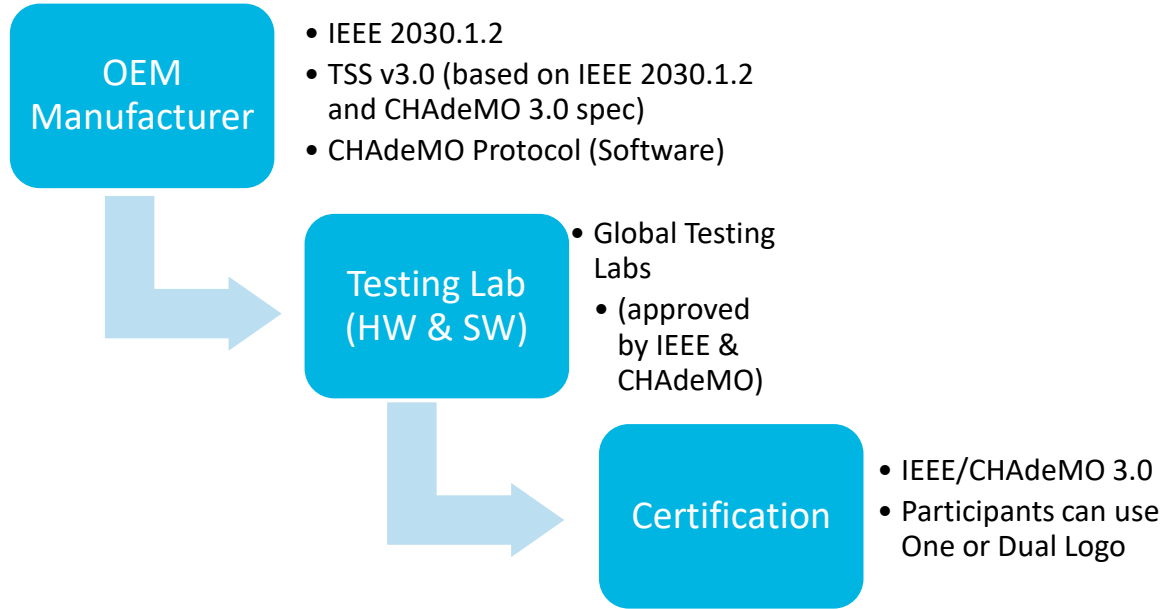
- CHAdeMO 1.2 & 2.0
- Published draft in 2021
- Test Suite Specification v2 (to start in Q3 2022)

IEEE 2030.1.2

- CHAdeMO 3.0
- Standard In progress
- Test Suite Specification v2 (start date TBD)

IEEE EV CHARGER CERTIFICATION PROGRAM

“One” global certification program offered jointly by IEEE and CHAdeMO



Recognized and accepted globally by end-users and regulators



CHAdeMO



Certified™

EV Charger

WHY SUPPORT THE IEEE & CHADEMO CERTIFICATION?



Having a practical and certifiable global standard will facilitate the process of buying, installing, and using fast chargers

IEEE STRUCTURE

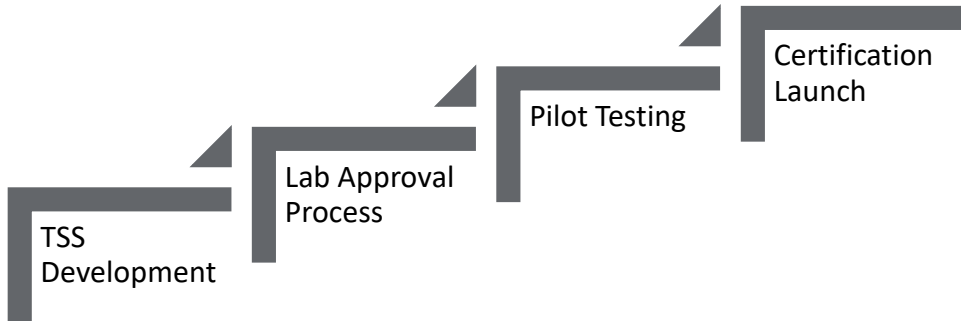
IEEE 2030.1.1 & .2 Standards Working Group

- Develops and approves standard
- Entity Based (one company one vote)
 - Must be [advanced corporate member of IEEE-SA](#) to participate
 - All companies are welcome to join

IEEE EV Charging Conformity Assessment Steering Committee (CASC)

- Develops and approves Test Suite Specification (TSS)
- Develops and approves certification process
- Entity Based (one company one vote)
- Participation **is free for all CHAdeMO member companies**
- All other companies must pay membership fees to join

IEEE CONFORMITY ASSESSMENT STEERING COMMITTEE RESPONSIBILITIES



- CASC requires **active participation** from charger manufacturers, EV manufacturers, network operators, test laboratories, test tools vendors and CHAdeMO members
- No cost for CHAdeMO members to participate
- All participating companies will have voting rights
- All members of CASC can benefit from networking and IEEE marketing

WHY JOIN?

- Prepare for successful certification having early access to test plans and certification criteria
- Develop procurement language (standards & certification) for purchase of EV chargers – End-User
- Develop, review and approve (voting rights) the IEEE certification scheme, test plans and report templates
- Determine test lab competency requirements and audit processes
- Leverage industry best practices, e.g. ISO/IEC 17065, ISO/IEC 17025, etc. when developing the program structure
- Stay ahead: Participate in pilot testing and get market recognition by IEEE & CHAdeMO
- Be prominently listed on the IEEE Registry and use the IEEE & CHAdeMO Certification Mark

PROPOSED CERTIFICATION FEES

- No negative cost impact (additional burden) to CHAdeMO members to participate
- More details about this will be published and communicated to all members at a future date

SUMMARY

- IEEE will develop certification program based on IEEE 2030.1.2 and CHAdeMO 3.0 standards
- IEEE has proven expertise in development and management of certification programs
- One global certification jointly offered by IEEE and CHAdeMO
- Significant benefits for CHAdeMO members to join IEEE CASC
- E-mail evcharging@ieee.org to indicate intent to join

The success of the conformity assessment program will largely depend on CHAdeMO members involvement and support!

THANK YOU

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Director

IEEE Conformity Assessment Program

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