



Newsletter North America 2023

As we close out 2023, we want to thank all of our amazing CharIN community members for your support and dedication to a green mobility future! We want to especially recognize our CharIN North America leadership for the hundreds of hours they have volunteered over the past year. All of our achievements would not have been possible without our Board Chair, **Oleg Logvinov**, President & Founder of IoTecha, Board Treasurer, **Mohamad Abdul-Hak**, Senior Manager of Mercedes-Benz R&D NA, and Board Members, **Robert Barrosa**, President & CEO of Electrify America, **Cliff Fietzek**, Global Head of Charger Operations at ABB e-Mobility, **Ivo Steklac**, CTO of EVgo, and **Michael Tubman**, Director of Federal Affairs at Lucid Motors.

We hope you have a wonderful holiday and we'll see you in 2024!



CharIN Adapter Safety Statement

Emerging from the work of the NACI Connection and Safety & Functionality Subgroups, CharIN releases a **statement Regarding SAE J3400™/SAE J1772™ Adapters**. CharIN has advocated for the use of a complementary, native charging connector that matches the EV charge port in order to avoid the need for an adapter. Nevertheless, CharIN expects that the use of adapters will increase until the time that SDO certified, SAE J3400™ compliant charging connectors are widely installed for public use. This statement provides three recommendations on how to ensure public safety.

Monthly Update from the NACI Subgroups

Each NACI Subgroup presents an update on their activities and action items to the entire Task Force on the second Monday of each month. Please join us for our next Task Force meeting on **Monday, December 11 from 11am-1pm eastern time**. To view the November updates, use the link below.

November NACI Subgroup Updates



CharIN North America Fall Festival

The 2023 CharIN North America Fall Festival at Lincoln Electric in Cleveland, Ohio wrapped up last week featuring **32 testing companies, 300+ attendees**, and three days packed with testing, including **end-to-end Plug & Charge testing, J3400™ testing, Multiple PKI Testing, Minimum Required Error Codes (MRECs) testing**, and on the final day, **Dynamic Pairing** where testing participants had the chance to create personalized testing opportunities with companies of their choice.

[See Festival images](#)

CharIN In-Person Focus Group Meeting

The Festival also featured an in-person Focus Group Meeting with over 100 participants. The sessions provided a comprehensive overview of many different critical issues, including:

- An update from the Joint Office of Energy and Transportation from Sarah Hipel on **EV charging interoperability and reliability activities (Presentation)**
- Progress of **Vehicle-to-Grid (V2G)** technology in North America
- Advancements on **SAE J3400™ standardization**
- **MCS**-related updates
- **Cybersecurity** advancements and updates
- Updates on the **CharIN Conformance Testing** Focus Group activities
- Insights on **Plug and Charge** field observations
- And much more!

Shareable resources during the Focus Group meeting included:

- Idaho National Laboratory - **AcCCS project** - A collection of tools and scripts used to communicate and emulate Electric Vehicle Communication Controllers (EVCC) and Supply Equipment Communication Controllers (SECC).
- An update on the joint effort by the IEC TC 69, **ECV-DESS project**, which will result in three standards documents - use cases, data models, and conformance tests.

CharIN and SAE-ITC EV Charging Roundtable

CharIN North America and the SAE Industry Technologies Consortia co-

hosted the North American Electric Vehicle Charging Roundtable on November 27 in Troy, MI. High-level take aways / action items from the discussion included topics such as: data standardization, workforce training, co-development of an industry interoperability Roadmap, co-development of adaptor safety strategies, and focus on cybersecurity, including PKI certified trust lists.



Notable e-mobility Activities

California Energy Commission Staff Hosts Workshop and Seeks Comment on EV Charging Interoperability

The CEC hosted a workshop on December 1 with current and potential CEC actions on EV charging interoperability.

- The CA Docket, [Vehicle-Grid Integration docket: 22-EVI-06](#), is open to comment until **December 22, 2023**, 5 pm Pacific.
- [Comment Submissions](#)

Workshop Slides

ChargeX Consortium recommends common EV charger error codes

ChargeX Consortium members published recommendations for Minimum Required Error Codes (MRECs) for EV Charging Infrastructure in a new report, including 26 codes to enable faster error reporting, diagnostics, and resolution. The recommendations aim to reduce confusion between charger manufacturers, EV manufacturers, and charging station operators.

View the Report



Useful Resources

SAE J3400 (WIP)

[more information](#)

The SAE standards development process

[read more](#)

**Join the NACS EV
Coupler Task Force for
SAE J3400 apply at:**

[apply here](#)

or email Standards Specialist,
Dante Rahdar
(dante.rahdar@sae.org)

**Complete list of
companies committed or
considering SAE J3400
integration:**

[NACS Adoption
Tracker *](#)

*NACS Adoption Tracker by
EVAdoption/EVStation

We hope that you have enjoyed this edition of the CharIN e-newsletter.
Your feedback is always welcome as well as your suggestions and
topics you would like to read about! Please reach out to
northamerica@charin.global

We look forward to receiving your input!

Best regards,
Your CharIN North America Team

**Don't miss the opportunity to follow us on
LinkedIn:**



This newsletter was established to share timely insights coming out of the CharIN
North America. It is intended for both members and non-members.

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