10th International
ISO/IEC 15118 & CCS Testing Symposium
ANNIVERSARY EDITION

Interoperability & Conformance Testing Event
for the Combined Charging System

Invitation

(updated 2018-09-14)

TS TESTING SYMPOSIUM

November 15th – 16th 2018
Arnhem, Netherlands
- EV, EVSE & ECU Test Event -

Please visit our website for further information & news

www.testing-symposium.net

The 10th International ISO/IEC 15118 & CCS Testing Symposium is hosted by:

Elaadnl

Organized by:

tu CNI Communication Networks Institute   ISO   IEC

Supported by:

CharIn   verisco Verified Smart Communication

Invitation to the 10th Anniversary Edition of the
International CCS & ISO/IEC 15118 Testing Symposium

Interoperability & Conformance Testing Event
for the Combined Charging System

November 15th – 16th, 2018 @ ElaadNL, Arnhem, Netherlands

Fellow PEV Charging Technology Community Members,

The organizing committee of the CCS & ISO/IEC 15118 Testing Symposium is very pleased to announce our next testing event co-located with the ISO/IEC 15118 Joint Working Group 1 standardization meeting in Arnhem, Netherlands.

We therefore invite companies working in this area to participate in this PEV charging communication protocol testing event. The 10th Testing Symposium will be hosted by ElaadNL. The focus of the event is on testing PEV and charging infrastructure communication protocol conformance as well as interoperability. Additionally, to celebrate its 10th anniversary, this edition of the Testing Symposium will be supported by the OCPP2.0 Plugfest.

Members of the PEV charging communication community are encouraged to participate in order to strengthen cross-vendor interoperability between EVs and supply equipment.

The Testing Symposium will take place:

> **When:**

15th – 16th November 2018

> **Where:**

ElaadNL
Utrechtseweg 310 B42
6812 AR Arnhem
Netherlands

As part of this event we aim to provide testing opportunities for **ISO/IEC 15118-2/-3**, **DIN 70121**, **SAE J2847/2**, **SAE J2931/1**, and **SAE J2931/4** compliant:

- **Electric Vehicles** with CCS Type 2 inlet
- **Supply Equipment (Charging Stations)** with CCS Type 2 connector
- **Electric Vehicle Communication Controllers (EVCC)** → ECU testing
- **Supply Equipment Communication Controllers (SECC)** → ECU testing
- **CCS Test Systems for EVs / EVSEs or EVCCs / SECCs**

Additionally, we aim to provide testing opportunities for OCPP2.0 compliant

- **Charging Station** with CCS Type 2 connector
- **Charging Station Controllers** → ECU testing
- **Back end Systems (Charging Station Management Systems)**

As part of the event, Round Robin tests will be conducted among suitable test pairings.

The testing event at ElaadNL is expected to provide valuable feedback for all participants in the PEV charging community in support of developing EVs, charging stations, ECUs as well as refining test cases, test procedures and test apparatus / software.

Please join us at this event and submit your online application form in time.

Organized by: ISO IEC CNI **Communication Networks Institute**   **Supported by:** CharIn verisco *Verified Smart Communication*

APPLICATION INFORMATION:

Please apply for this event at:

www.testing-symposium.net

Registration is embedded in the "**Information**" section of the website and *password-protected*:

Username: 10th-TS-Participant
Password: Arnhem2018

!! Registration closes on FRIDAY 28th of September 2018 (CET, EOB) !!

For registration, please use your real name and COMPANY email address. A verification mail will be sent to your email account providing *individual* access to the electronic Testing Symposium application form. You will be guided through a list of questions on your participation / test equipment. Please follow the instructions provided and submit the completed online form in order to finalize your application. You can also save an intermediate version of the application and complete it later by clicking on the "resume later" button.

After submission of the application form, you *cannot* update it anymore! In case you need to update an already submitted application, please re-submit a new application form by accessing the individual link from the registration confirmation email again. In this case, please provide a comment at the end of the questionnaire that your previous application is obsolete.

If you plan to bring **multiple *types* of test equipment** or in case your **test system supports *multiple* systems under test (SUT)**, e.g. EVCC / SECC, you can register up to four setups within one survey. In case you require more, please submit another application form (survey) for the remaining test equipments by accessing the link from the registration confirmation email again.

After **registration is closed** no more changes and submissions can be made. The application form for this event also offers participants the opportunity to give feedback and tune the event to the capabilities of each participant's communication controller. For your convenience, you can print or save all your answers as PDF after submission of the application form.

Things to consider:

- **The overall number of registrations is LIMITED.**

- **A maximum of FOUR (4) participants per company are allowed (or FIVE (5), if you actively participate in the CCS Testing Symposium and the OCPP 2.0 Plugfest)**

- **Due to the nature of this event, applications of active test participants have a higher priority over observer applications.**

- **Based on these limitations, we reserve the right to cancel applications.**

- **A final registration confirmation is sent to all participants after the registration deadline. Please consider this in the planning of your travel / logistics.**

All information in the application survey is collected for organizational purposes only, in order to find suitable test couples and to define a Round Robin test schedule at the testing event.

All participants are requested to sign a Participation, Safety & Confidentiality Agreement as part of the Sign-In procedure that will be provided before the Testing Symposium.

PREPARATORY & TECHNICAL INFORMATION:

We will set up organizational conference calls *after* registration (~mid of October) for all test participants to clarify open questions / issues. We will invite to the conference calls through dedicated calendar invitations based on registration Email addresses.

Technical requirements / constraints for real EV and EVSE tests:

- For AC: Type 2 plugs and inlets according to IEC 62196-2 / SAE J1772.
- For DC: CCS Type 2 (Combo 2) plugs and inlets according to IEC 62196-3.
- Supply voltage is 400V (3-phase) at 50Hz with direct connection to distribution panel, maximum cable diameter for EVSE is 16mm^2.
- Max supply power for EVSE is set at 15kW. Max. EVSE supply power will be provided to EVSE suppliers before installation. All EVSE suppliers must ensure that the rated max. power is not exceeded during the event.

Technical requirements for communication controller (ECU) tests:

- Control Pilot (CP) and Proximity (PP) circuit according to IEC61851-1 shall be provided.
- The expected physical connection for CP, GND and optionally PP is:
    - 4mm female banana plugs for EVCC
    - 4mm male banana plugs for SECC
- Supply voltage is 230V at 50Hz with (Type C) sockets/plugs.
  Type C: also known as the standard "Euro" plug. This socket also works with plug E and plug F (also known as "Schuko" plug).
  See also https://www.power-plugs-sockets.com/netherlands-holland/

Previous testing events have shown that it is favorable if every company participates with at least one engineer who can change/flash their communication controller on-site.

If you bring heavy equipment to the Testing Symposium (e.g. Electric Vehicle or DC Fast Charger), please contact the Host for further information.

REGISTRATION ON SITE:

On the day of the Testing Symposium, all participants must sign-in at the reception counter located at Arnhem, Utrechtseweg 310, 6812 AR (Building B42)

CONTACT INFORMATION:

In case of any questions or issues, please do not hesitate to contact us:

Organization	Host
Jens SCHMUTZLER Communication Networks Institute TU Dortmund University Phone: + 49 (0) 231 755-3781 E-Mail: jens.schmutzler@tu-dortmund.de	**Ester Vermetten** Office Manager ElaadNL Phone: + 31 (0) 6 40253226 E-Mail: Ester.Vermetten@elaad.nl
Sven GRÖNING Communication Networks Institute TU Dortmund University Phone: + 49 (0) 231 755-5703 E-Mail: sven.groening@tu-dortmund.de	**Lonneke Driessen** Program Director Standardization ElaadNL Phone: + 31 (0) 26 3120223 E-Mail: Lonneke.Driessen@elaad.nl

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LOGISTICS (IMPORTANT):

The address for the test symposium logistics is:

ElaadNL
Utrechtseweg 310 B42
6812 AR Arnhem
Netherlands

For delivery of testing equipment, the opening hours will be:
- **Monday, November 12th from 8:00 to 17:30 (CET)**
- **Tuesday, November 13th from 8:00 to 17:30 (CET)**

!! NO DELIVERY WILL BE ACCEPTED ON WEDNESDAY, NOVEMBER 14 !!

Note: It is required that people responsible for the electrical connection of the charging station are available on test symposium's site for connecting their DC or AC charging station to the voltage supply.
Monday, November 12th 10:00 to 16:00 (CET).
Tuesday, November 13th 10:00 to 16:00 (CET).

Note: Last possibility to connect (only with major reason):
Wednesday, November 14th 10:00 to 16:00 (CET).

Due to site access restrictions, each company that needs to offload testing equipment for the test symposium is **required to contact after registration confirmation**:

Ester Vermetten
Email: Ester.vermetten@elaad.nl

For accessing the facility, a valid ID card is required

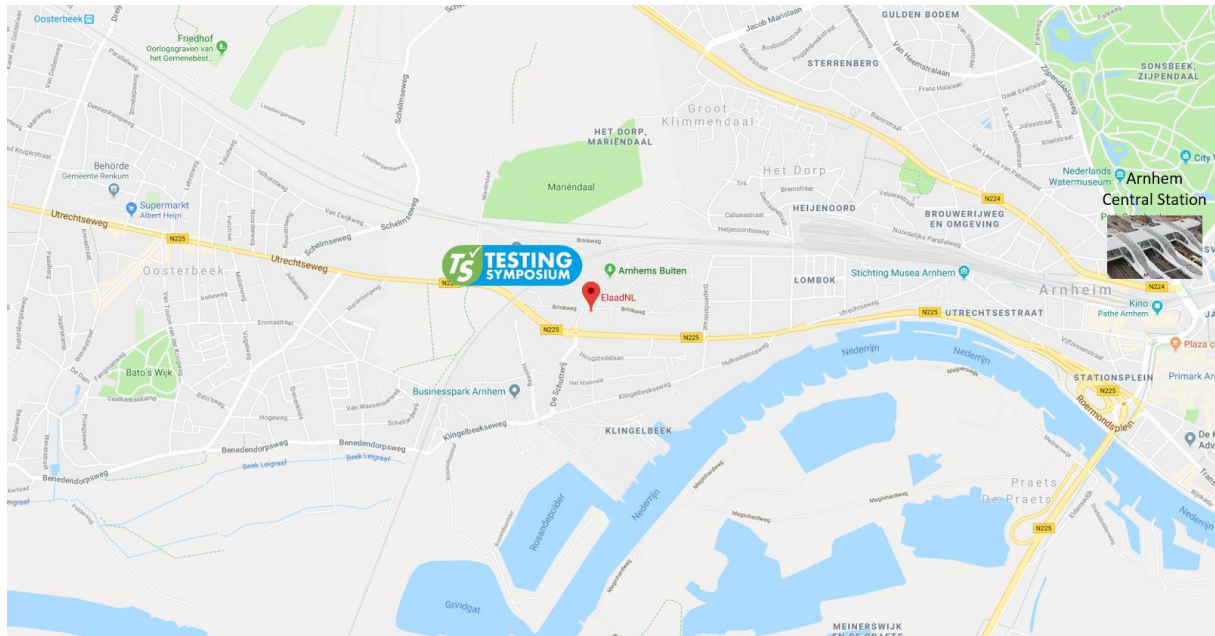**For the loading and departure, the available hours will be:**
- **Friday, November 16th from 18:00 to 21:00 (CET)**
- **Saturday, November 17th from 8:00 to 12:00 (CET)**

TRAVEL DIRECTIONS:

The venue address for the Testing Symposium is:

ElaadNL
Utrechtseweg 310, Building B42
6812 AR Arnhem
Netherlands

https://www.google.com/maps/place/ElaadNL/@51.9842372,5.8680423,17z/data=!3m1!4b1!4m5!3m4!1s0x47c7a3c551bd485d:0xf0160f445f6913b!8m2!3d51.9842339!4d5.870231

Hotel Recommendations:

Please find a list of hotels in the area around ElaadNL with special packages including breakfast and shuttle service to the testing site at: www.4travelandevents.com/arnhem

VISA

Please make sure if a VISA is needed to enter The Netherlands https://www.nederlandenu.nl/documenten/publicaties/2017/01/01/lijst-visumplichtige-en-niet-visumplichtige-nationaliteiten-kort-verblijf-nl (only Dutch version available).

If you are unsure whether a VISA is required, please contact your embassy with enough lead time.

On your request an invitation letter can be provided from ElaadNL by ester.vermetten@elaad.nl

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