

National Type Evaluation Program Electric Vehicle Fueling Systems – Technical Policy

A. Type Evaluation Test Location, Installation Criteria and Certificate of Conformance Information

The manufacturer has the choice of submitting an Electric Vehicle Fueling System (EVSE) to one of the following for National Type Evaluation Program (NTEP) evaluation:

- A government laboratory
- A field test
- A manufacturer's laboratory or third party NRTL

Measuring equipment requirement: The test standards need to be traceable to NIST or other National Measurement Institute signatory of International Committee of Weights and Measures (CIPM) Mutual Recognition Arrangement (MRE) for accuracy

A laboratory test alone may not be sufficient basis on which to issue a Certificate of Conformance (CC.) The policies on product families, listed on a CC apply regardless of where the meter is tested. Additional testing may be required based on these policies.

Site Requirements - General

B. Tolerance Application

General

The tolerance applied during type evaluation will be listed on the Certificate of Conformance (CC) along with the product family or families covered under the CC for all EVSEs.

A manufacturer must specify the application and consequently, the tolerance to be applied, at the time a device is submitted for evaluation. NTEP will not shift the device applications based on the results of the type evaluation because the number of devices tested are not enough to assess the performance for tighter tolerances.

Normal Test Tolerances

C. Device Families

A group of devices, sometimes including multiple Device Categories, which share common metrological functionality and components.

Note: Coverage of different devices by a certificate may be indicated using references to either "Device Categories" or "Device Families," as indicated in the Test Requirement for that Device Family.

The device family and the specific device subgroup covered by the Certificate are to be identified on page one (1) of the Certificate of Conformance. More detailed information, including the typical device types found in the subgroup, is to be included in the application section of the Certificate.

D. Family members to be Included on a Certificate of Conformance (CC)?

E. One CC covers only one device family. Guidelines for Requiring Serial Numbers on Devices ?

Task Group - Working Copy

**National Type Evaluation Program
Electric Vehicle Fueling Systems – Checklists and Test Procedures**

Task Group - Working Copy

**National Type Evaluation Program
Electric Vehicle Fueling Systems – Laboratory / Field Evaluation and
Permanence Tests**

Covered already in the Checklist?

Permanence Test Procedures for EVSEs

A. Field Evaluation Test of Previously Evaluated Components Using Different Previously Evaluated EVSEs

Commented [AM1]: Acceptable?

Different Previously Evaluated Meter

Refurbished EVSEs will be subject to an initial test. Based on the test results of the initial test, National Type Evaluation Program (NTEP) may require a permanence test.

Non-metrological Changes

A technical administrative review shall be conducted to issue a new Certificate of Conformance (CC) or amend an existing CC for previously evaluated EVSEs because of non metrological changes. Based on the results of the technical administrative review, NTEP may require additional tests.