

IMPORTANT NOTICE

Updated July 10, 2023

PLEASE READ BEFORE SUBMITTING THE APPLICATION FOR THE NTEP EVALUATION OF YOUR ELECTRIC VEHICLE FUEL SYSTEM

Beginning November 1, 2021, the National Type Evaluation Program (NTEP) began accepting applications for the evaluation and certification of Electric Vehicle Fueling Systems. However, before you apply for an evaluation of your device, please be aware of the following.

1. NTEP will accept an application for AC and DC Electric Vehicle Fueling Systems that currently holds a California Type Approval Program Certificate (CTEP) or is in the CTEP evaluation process. Electric Vehicle Fueling Systems that do not have a CTEP certificate can be evaluated by an NTEP Evaluator at an NTEP Authorized Laboratory or at the manufacturer's facility. *(Note: before NTEP will evaluate a device at the manufacturer's facility, the manufacturer will need to show proof of third-party calibration and certification of all test equipment necessary to perform the evaluation.)*
2. Applications for Electric Vehicle Fueling Systems using Direct Current (DC) voltage will be accepted under the conditions listed in item 1 of this letter. However, any DC Charger that has not been tested to the voltage levels identified in the most recent edition of Handbook 44 cannot be issued an NTEP Certificate of Conformance. This includes chargers that have received a California "Temporary Usage Permit" from CTEP.

An NTEP Certificate of Conformance may be issued to a DC Charger that has been evaluated to the voltage levels identified in the most recent edition of Handbook 44. However, if the test equipment does not have traceability to a nationally recognized performance standard, the issued certificate will have a "Provisional" or "P" Status. This status will remain until such time as the certified test equipment is available and any additional performance tests have been conducted and passed.

3. NTEP will accept test data for evaluations performed by the California Type Approval Laboratory before and after the date of this letter. However, as of this letter, the California Code and the Handbook 44 Code have a few differences related to device requirements. These differences are:
 - a. The specifications for the Value of the Smallest Unit of Measure. The California Code requires this value to be either 0.0005 MJ or 0.0001 kWh. Handbook 44, 2023 Edition states the following:

S.1.3.2. EVSE Value of Smallest Unit. – The value of the smallest unit of indicated delivery by an EVSE, and recorded delivery if the EVSE is equipped to record:

 - (a) for AC systems shall not exceed 0.0001 kWh;
 - (b) for DC systems shall not exceed 0.001 kWh; and
 - (c) the value of the kWh shall be expressed only as a decimal submultiple of 1 that satisfy (a) and

Note: 1. The measurement of Megajoules (MJ) was removed from Handbook 44. NTEP will not accept test data that shows the indication is measuring in Megajoules (MJ).

- b. The specification related to the ability of the device to indicate the maximum rate of energy transfer.
Handbook 44, EVFS Code states:

S.2.4.2. Equipment Capacity and Type of Voltage. – An EVSE shall be able to conspicuously indicate on each face the maximum rate of energy transfer (i.e., maximum power) and the type of current associated with each unit price offered (e.g., 7 kW AC, 25 kW DC, etc.).

The California Code States:

CCR §4002.11. Electrical Vehicle Fueling Systems. (3.40.), S.2.4.2. Equipment Capacity and Type of Voltage. An EVSE shall be able to indicate on each face the unit price at which the EVSE is set to compute or to dispense at any point in time during a transaction. A computing EVSE shall display the unit price in whole cents (e.g., \$0.12) or tenths of one cent (e.g., \$0.119) on the basis of price per megajoule (MJ) or kilowatt-hour (kWh). In cases where the electrical energy is unlimited or free of charge, this fact shall be clearly indicated in place of the unit price.

To address this difference, it may be possible for the manufacturer to submit photos of their device showing compliance with S.2.4.2. in Handbook 44, EVFS Code. NTEP reserves the right to require a visual evaluation of the actual device.

When applying for NTEP certification please mention in the application if the device has a California Type Approval Number and include the number in **Part 16: General Description** of the NTEP application.

Please carefully follow the instructions on the first page of the application form when submitting your Electronic Vehicle Fueling System for NTEP Certification. If you have questions about the above information or need assistance with the application process, you may contact the NTEP Administrator at darrell.flocken@ncwm.com or the NTEP Specialist at jeff.gibson@ncwm.com.

Regards,
Darrell Flocken
NTEP Administrator

Application for Electric Vehicle Fueling System Device

This application should be used if the device or equipment is designed to measure and deliver Electricity. Means may or may not be provided to indicate automatically, for one of a series of unit prices, the total money value of the electricity measured, or to make deliveries corresponding to specific money values at a definite unit price.

For Use by NCWM

Control #: _____

CC #: _____

Application Instructions:

- Complete the checklist in "NCWM, Publication 14: Electric Vehicle Fueling Systems."
- Read "NCWM, Publication 14: Administrative Policy."
- Read "NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices," current code requirements.
- Sign application. **Unsigned applications will not be accepted.**
- **Submit payment with application.**
- Submit a copy of the amended CC with changes clearly marked. (Only if amending current CC)
- Submit **two digital photos** of the device via email with application.
- Submit application in one of the following ways:

Email: info@ncwm.com

Mail: National Council on Weights and Measures Attention:

Project Coordinator

9011 South 83rd Street

Lincoln, Nebraska 68516

If completing application by hand, do so **legibly** and in **blue ink**. Illegible applications may delay processing times.

Part 1. Who Will the Contact Be During the National Type Evaluation Program (NTEP) Application Process

Today's Date:	Are you or someone within your company a National Council on Weights and Measures (NCWM) Member: ☐ Yes ☐ No	NCWM Member ID:	Member Name:
Company:			
Street Address:			
City:	State:	Zip Code:	Country:
Primary Contact Name:		Primary Contact Email Address (Required):	
Phone Number with Extension if Applicable:	Fax Number:	Web site:	
Other Authorized Contact Name:	Other Authorized Contact Email Address:	Other Authorized Contact Phone Number:	

Part 2. What Contact Information Do You Want to Appear on the NTEP Certificate of Conformance?

Company:			
Street Address:			
City:	State:	Zip Code:	Country:
Phone Number with Extension if Applicable:	Fax Number:		
Contact Name:	Email Address:	Web site:	

Part 3. Where Do You Want <u>ALL Billing</u> to Be Sent?																			
Company:										Contact Name:									
Street Address:																			
City:										State:				Zip Code:				Country:	
Email Address (Required):										Phone Number with Extension if Applicable:									
Part 4. NTEP Fees (Due at time of application.)																			
		NCWM Member								Non-Member									
Application Fee (non-refundable)		\$800.00								\$1,200.00									
Certificate Processing Fee		\$150.00								\$225.00									
Total Fees		\$950.00 (Application & Processing Fees)								\$1,425.00 (Application & Processing Fees)									
** Additional laboratory fees may apply. Annual Maintenance Fees will also apply. See Publication 14 Administrative Policy for details.																			
** Save instantly on your NTEP Application fees by becoming an NCWM Member at www.ncwm.com/membership .																			
Part 5. Payment Information (Application will not be processed until payment received)																			
☐ VISA ☐ MasterCard ☐ Discover ☐ American Express ☐ Please Invoice ☐ Check Enclosed ☐ Check to follow USPS (made payable to NCWM)																			
Account Number:		Expiration Date: Security Code:																	
Billing Address:														Zip Code:					
Name on Credit Card:														Total Amount Enclosed: \$					
Part 6. What Laboratory Would You Like to Conduct the Evaluation? (NTEP reserves the right to select laboratory.)																			
☐ California ☐ Other _____																			
Part 7. General Information																			
Is this Evaluation to Amended an Existing NTEP Certificate of Conformance (CC): ☐ Yes, Provide CC Number: _____ ☐ No																			
Part 8. Model Designation																			
Model Designation(s) How It/They Will Appear on the NTEP Certificate of Conformance:																			
Part 9. Device Type																			
Device Type (Check All That Apply): ☐ AC Charger ☐ DC Charger ☐ Other Explain: _____																			

NTEP Application for Electric Vehicle Fueling Systems Device

Part 10. Means of Sealing

☐ Category 1 ☐ Physical Seal ☐ Event Counters		
☐ Category 2 ☐ Physical Seal ☐ Event Counters Does the instrument have remote configuration capability?		
		☐ Yes ☐ No
☐ Category 3 (Event Logger is required) Does the instrument have remote configuration capability?		
		☐ Yes ☐ No
Describe the Means and Location of the Physical Sealing and or remote configuration capability:		

Part 11. Standard Features and Options

Description	Check One
Card Reader:	☐ Standard ☐ Optional ☐ NA
Cash Acceptor:	☐ Standard ☐ Optional ☐ NA
Preset Money:	☐ Standard ☐ Optional ☐ NA
Remote Payment:	☐ Standard ☐ Optional ☐ NA
Prepaid or Membership Subscription Card:	☐ Standard ☐ Optional ☐ NA
Mobile App Interface:	☐ Standard ☐ Optional ☐ NA
RFID Interface:	☐ Standard ☐ Optional ☐ NA
Computer Interface:	☐ Standard ☐ Optional ☐ NA
Data Connection: Explain:_____.	☐ Standard ☐ Optional ☐ NA
Digital Indications:	☐ Standard ☐ Optional ☐ NA
Analog Indications:	☐ Standard ☐ Optional ☐ NA
Receipt Printer:	☐ Standard ☐ Optional ☐ NA
Electronically Sent Receipt:	☐ Standard ☐ Optional ☐ NA
Parking Charge Feature:	☐ Standard ☐ Optional ☐ NA
Other: Explain:_____.	☐ Standard ☐ Optional ☐ NA

Part 12. Device Configuration

Check One: ☐ Single Charge Cable ☐ Dual Charge Cable ☐ Other Explain:_____. Length of Charge Cord/s _____
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NTEP Application for Electric Vehicle Fueling Systems Device

Part 13. Connector Types

EV Connector (Check All That Apply):

AC Connector: ☐ Type 1 (J1772) ☐ Type 2 (Mennekes) ☐ GB/T ☐ Tesla

DC Connector: ☐ CCS1 ☐ CCS2 ☐ GB/T ☐ Tesla ☐ CHAdeMO

Part 14. Device Specifications

Input Voltage Rating:	☐ AC: _____ ☐ DC: _____ ☐ Other Explain: _____.
Input Current Range: (Amps)	☐ AC: _____ ☐ DC: _____ ☐ Other Explain: _____.
Output Voltage Rating:	☐ AC: _____ ☐ DC: _____ ☐ Other Explain: _____.
Output Current Range: (Amps)	☐ AC: _____ ☐ DC: _____ ☐ Other Explain: _____.
MMQ:	
Display:	Check all that apply: ☐ Remote Device ☐ Technician Only ☐ Touch Screen or User Visible Display ☐ Vehicle User interface:
Maximum Quantity Display:	☐ Megajoules: _____ ☐ Kilowatt hour: _____ ☐ Other Units: _____. Maximum Total Sales Display: _____
Software Version:	

Part 15. General Description

Describe the reason this application is being submitted:

Part 16. Signature

Sign Here	☐ By checking this box, the applicant authorizes the National Type Evaluation Program to disclose to Regulatory Officials, upon their request, that this application has been submitted and whether the file is currently open or closed.		
	Applicant agrees to and accepts all of the following terms and conditions for application for a National Type Evaluation Program (NTEP) Certificate of Conformance. 1) All the devices manufactured as the type referenced will continue to conform to the same specifications and tolerances and be of the same type without technical or metrological deviation of consequence. 2) All costs incurred by the NTEP and participating laboratory(s) will be paid by the applying company. 3) The NCWM policies, practices and procedures set forth in its Bylaws and publications are incorporated by reference as terms and conditions of the issuance/renewal under NTEP. 4) Applicant agrees that the law of the State of Nebraska shall control the interpretation and construction of NTEP and business relationships, including choice of law provisions. The parties agree that the exclusive legal forum of choice of the parties shall be the Lancaster County State District Court located in Lincoln, Nebraska. 5) Applicant agrees that NCWM, its officers, directors, employees, and agents shall have no liability for any damages of any nature in excess of the application fee or the annual renewal fee, as applicable. This limitation of liability is a condition of the issuance of any certificate of conformance or renewal certificate under the NTEP Program. Please be aware that an electronic signature is as legally binding as a handwritten signature.		
		_____ Date	_____ Title