



## Maryland Department of Agriculture

*Office of Marketing, Animal Industries and Consumer Services*

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*Weights and Measures*

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### **MDA EVSE Registration and Certification Program Information**

Retail Electric Vehicle Supply Equipment (EVSE) Weights & Measures Guide. MDA Weights & Measures has the authority to regulate the method of sale of all commodities offered or exposed for sale and weighing and measuring devices used in a commercial transaction within the state.

This document is designed to assist and inform businesses as they enter the electric vehicle charging market by clearly establishing expectations for this new market as it applies to Maryland Weights & Measures requirements. To ensure that Maryland businesses and consumers work in a fair and reliable market, regulated equipment is required to meet applicable legal standards, including the method of sale.

#### **Method of Sale**

All electrical energy sold at retail as vehicle fuel must be sold by the kilowatt-hour (kWh). Unit price for electricity must be displayed by the whole cent (\$0.32) or tenth of one cent (\$0.319). In addition to the fee for electrical energy, fees may be assessed for other services, such as parking. Any additional charges can be fixed or based on time. All fees must be displayed to the customer before the consumer elects to purchase the services.

#### **Selecting a Device**

Devices must be selected with the intended use in mind. All EVSEs used commercially and available to the public must be "Legal for Trade", comply with all the requirements in NIST Handbook 44 and are required to have a National Type Evaluation Program (NTEP) Certificate of Conformance (CC), this includes all new EVSE equipment. A list of all equipment that complies with this requirement can be found on the NTEP CC Database.

<https://www.ncwm.com/ntep-certificates>

These devices will have a nomenclature plate (identification plate) containing the following information:

- Make
- Model

- Serial Number
- Voltage and Type of Current
- Maximum Current Deliverable
- Temperature Limits
- Minimum Measured Quantity
- NTEP CC Number Example nomenclature plate

### **Private Use Chargers**

EVSEs not available to the public such as those found in multi-family dwellings or private residence will not currently be licensed by the Weights and Measures program. These devices must have a means (electronic or physical) to prevent general public access. Additionally, these devices should not appear on any websites or applications which help members of the public find and/or pay for EVSE services.

### **Legacy EVSE Chargers both Level II and DCFC**

EVSE devices installed prior to January 1, 2023, are referred to as legacy chargers and are not required to have NTEP certification.

- Legacy chargers **are required to be registered** in accordance with Maryland requirements.
- These devices will not require a placed in-service report from an RSA as they are already in service.
- They are required to meet the following requirements.
  - Operable for customer use.
  - Have a customer indication.
    - Provide unit pricing per kWh and additional fees prior to the start of the charging session.
    - Quantity of energy delivered throughout the session.
    - Total purchase of energy and additional fees per charging session.
  - Correct method of sale for electricity when used in a vehicle fueling application.
  - Able to provide a paper or electronic recorded representation to a customer that includes the following information.

- The total quantity of energy delivered with unit of measurement.
- The total computed price of energy sale.
- Date and time of transaction.
- Unit price per kwh.
- The maximum rate of energy transferred.
- Any additional separate charges (for example parking time)
- Unit price of time-based service.
- The total purchase price for the quantity of time.
- The final total price of the complete transaction.
- The EVSE unique Identification.
- Business name and location.
- Can not exceed 2% accuracy tolerance in favor of the business.
- If a device is not capable of meeting these minimum requirements and is removed from service, it will be required to be replaced with an NTEP certified device.
- These devices will receive registration decals only and will not receive a certification decal.
- All legacy devices will require replacement with an NTEP certified device by January 1, 2033.

### **Level II and DC Chargers Installed January 1, 2023 – December 31, 2025**

- They are required to have a traceable NTEP certificate of Conformance.
  - If the device is actively undergoing Type Evaluation, it may be granted conditional use for a period of time.
  - If a device has CTEP, it will be granted conditional use pending an NTEP certificate of conformance.
- These devices will not require a placed in-service report from an RSA as they are already in service.
- These devices **are required to be registered with MDA prior to January 1, 2026.**
- These devices **are required to adhere** to specifications, tolerances, and user requirements as outlined in NIST Handbook 44.

<https://www.nist.gov/pml/owm/nist-handbook-44-current-edition>

## **Level II and DC Chargers Installed on or After January 1, 2026**

- These devices require a placed in-service notification by either the device owner or a registered service agency.
- A placed in-service report acknowledges that legal for trade devices are installed in accordance with Maryland Law and NIST Handbook 44 requirements.
- Require registration with the department ahead of being available for a customer for a transaction.
- These devices are required to adhere to specifications, tolerances, and user requirements as outlined in NIST HB 44.

<https://www.nist.gov/pml/owm/nist-handbook-44-current-edition>

## **Placing a Device into Service- PIS Report**

Placed in Service Reports (PIS) are a form submitted to the Weights and Measures Program to inform the office of newly installed devices or repaired devices.

At this time due to limited-service agencies and equipment, MDA Weights and Measures will accept placed in service reports (available on the website) from device owners. The owner or service agency is required to:

- Submit the completed Placed In Service Form to [weights.measures@maryland.gov](mailto:weights.measures@maryland.gov).
- If the owner is submitting the report, it can be submitted simultaneously with the registration form ahead of being available to customers for a transaction. Please fill out ALL information on the form, including the name, representative name, and direct contact information of the installer.
- Registered Service Agencies have five days to submit a report following placing a device into service or returning a repaired device into service.

## **Understanding Weights and Measures, Tags and Terminology**

MDA Weights and Measures utilizes a multi-tiered approach to enforcement action.

- Rejected- the device can be used while undergoing repairs, PIS report required.

- Condemned (yellow tag) – is placed on a device to preclude it from further use during repairs. Only an RSA may return a repaired device into service following condemnation. PIS report required.
- Stop-use (red tag) – is placed on a device to preclude it from further use during repairs. Once repaired only an inspector with MDA Weights and Measures may place the device back into service. Office notification and PIS report required.
- Conditional Use- can be granted for a specified time as long as the device complies with terms of conditional use.
- Approved- these devices have been found to be accurate and correct during inspection and have received a certification sticker. The device owner is still responsible for maintaining the device.
- White Tagged Device – these devices have specific circumstances whereas they have been removed from service for a temporary period, the device owner is required to contact weights and measures and submit a placed into service report upon removing the white tag. PIS report required.
- Removal of any tag placed on a device by a weights and measures official without proper notification can result in the assessment of civil penalties and or revocation of registration.