NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Electric Vehicle Fueling System (EVFS)
AC Only
Model: ICACOP48, ICACLS80, ICACLS4040, ICACLS4080

Submitted By:
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Standard Features and Options

- Alternating Current (AC) system in kilowatt-hour (kWh)
- Maximum Rate of Energy Transfer: 3.8 kW AC, 5.7 kW, 7.6 kW, 9.6 kW, 11.5 kW, 14.4 kW, 19.2 kW
- Maximum Deliverable Amperes (MDA): 16 Amperes, 24 (A), 32 (A), 40 (A), 48 (A), 60 (A), 80 (A)
- Minimum Measured Quantity (MMQ): 0.5 kWh
- Voltage Rating: 208 - 240 volts (V)
- Temperature Rating: -30°C to 50°C
- Software Version number: V12.14.106 or higher that increments sequentially and follows the format “V12.XX.XXX”
- Mobile app version (Android/iOS): Version 1.5.3 or higher that increments sequentially and follows the format “1.X.X”
- 0.0001 kWh registration display and non-resettable totalizer
- Single or dual port charging with J1772 or North American Charging Standard (NACS)
- Activation via Radio Frequency Identification (RFID) or Icapia mobile application (Android or iOS)
- Network to connection to cloud

Options:

- Wall and column mount configurations

This device was evaluated under the National Type Evaluation Program and was found to meet or exceed the specifications with the applicable technical requirements of *Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices*. Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Kevin Schnepp
Chair, NCWM, Inc.

Marc Paquette
Chair, NTEP Committee
Issued: November 30, 2025

ICAPIA, LLC

Electric Vehicle Fueling System/ Model: ICACOP48, ICACLS80, ICACLS4040, ICACLS4080

Application: For use as an Electric Vehicle Fueling System (EVFS) in commercial applications under the California Code of Regulations (CCR) and the National Institute of Standards and Technology (NIST) Handbook 44 Section 3.40. EVFS are also known as Electric Vehicle Supply Equipment (EVSE).

Identification: The ICAPIA EVFS identification (ID) label (***Figure 1***) is located on the left side of the charger (***Figure 2.***).

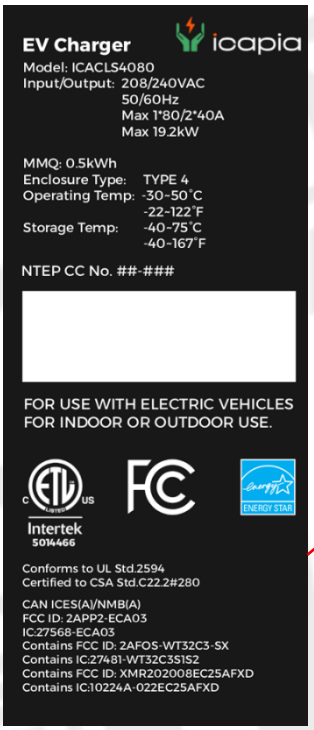

Figure 1. ICAPIA ID label example

Figure 2. ID label example location

The ICAPIA EVFS provides the non-resettable totalizer value and software version on the user interface (UI) while the charger is idle (***Figure 3***). The ICAPIA mobile app (Android/iOS) provides the Version under the account tab (***Figure 4***).

Figure 3. Charger version & non-resettable totalizer example

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Sealing: The ICAPIA EVFS device is a Category 3 device equipped with an event log for changes made to the entire system. Through the ICAPIA mobile app, on both Android and iOS, users may select the account tab located at the bottom of the app (***Figure 4***). Users may select the "Advanced" selection, which shall bring them to an interface to enter the Chargepoint ID number of the station (***Figure 5***). The event log shall appear on the mobile app (***Figure 6***).

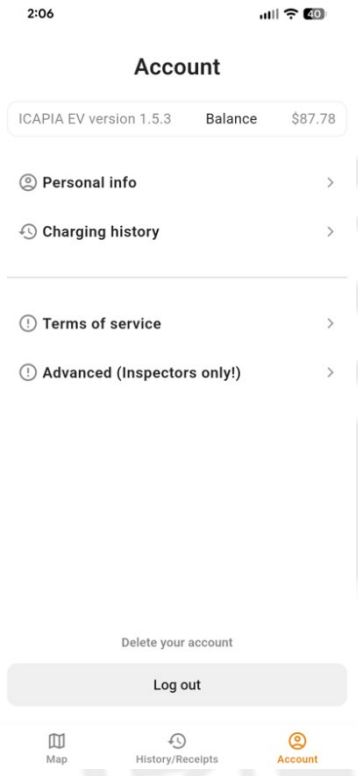

Figure 4. Event log access page example

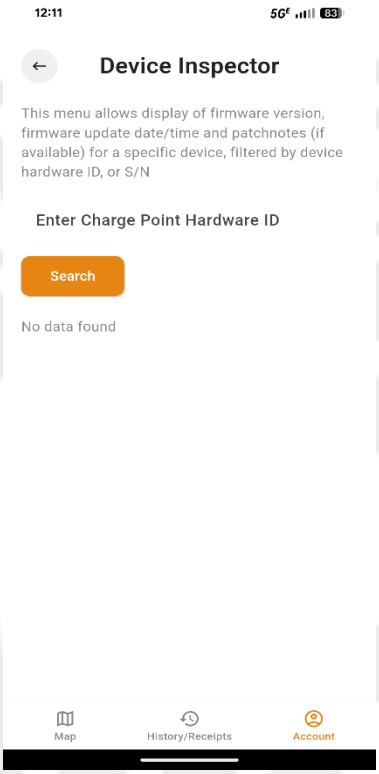

Figure 5. Event log access page example

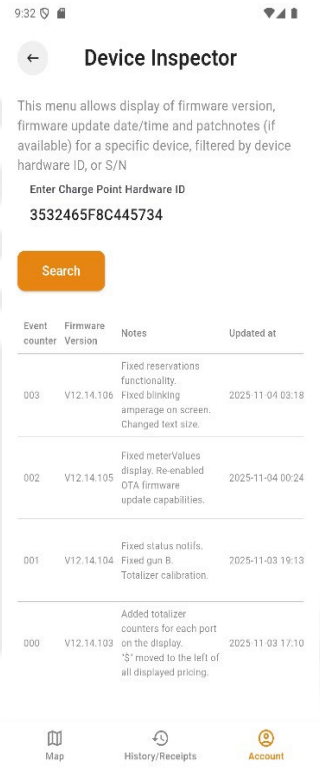

Figure 6. Event log example

Operation: The user may connect the EVFS to the vehicle prior to activation via RFID or ICAPIA mobile app(Android/iOS).

RFID: To activate the EVFS via RFID, a user must set up a profile with for the RFID token including payment information and an email address. After plugging in the EVFS, users may tap the RFID to the RFID reader below the UI. The session may be ended by unplugging the EVFS or by tapping the RFID card to the reader. Upon completion of the session, a receipt shall be issued via email to the email address associated with the RFID token.

ICAPIA Mobile app (Android/iOS): The user is required to create an account profile to load a payment method in the mobile app prior to activating a charging station. To activate the EVFS, open the mobile app and navigate to the charger selection map, or search for a specific charging station (***Figure 7***). Once a charging station is selected, the user shall be shown the port selection page with pricing information (***Figure 8***). To begin charging, a user may select the charging port and start the session. The ICAPIA mobile app shall provide energy and pricing accumulation in addition to the EVFS UI. The charging session may be ended via the ICAPIA mobile app or by unplugging the charging cable. The receipt is provided within the ICAPIA mobile app.

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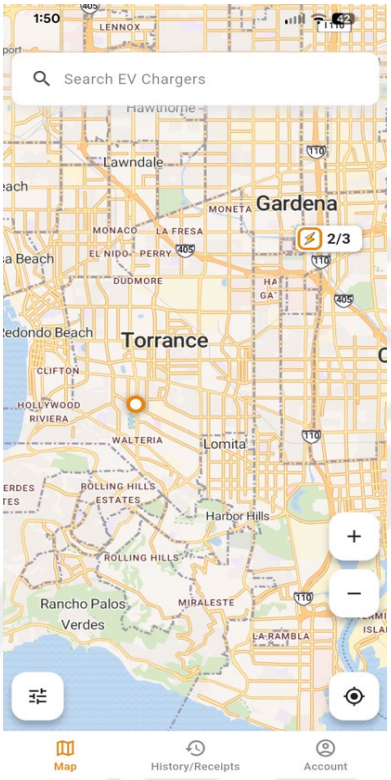

Figure 7. ICAPIA mobile app charger selection map example

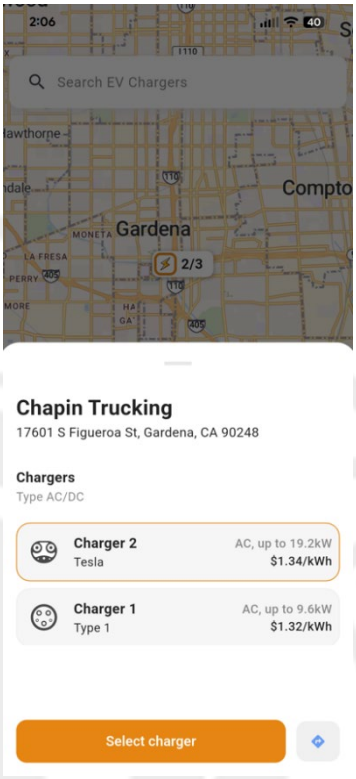

Figure 8. ICAPIA mobile app port selection screen

Test Conditions: An ICAPIA model ICACLS80 was tested on device design, performance, markings, sealing, measurement accuracy and repeatability, and receipt requirements. The ICAPIA model with 24 ft J1772 cable was tested for accuracy. Measurements were performed at 0.5 kWh at 4A, 0.5 kWh at 50% of the maximum current deliverable (MCD) and 0.5 kWh at 85% of the MCD. The sealing methodology, software versions, and options were evaluated for proper tracking within the event log. Mobile app activation was tested for agreement of indications and required markings for both Android and iOS app versions.

Evaluated By: J. Witt (CA) 25-112 (CN 11414)

Type Evaluation Criteria Used: *Handbook 44 Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, 2025 Edition. *NCWM Publication 14: EVSE Devices*, 2025 Edition.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: J. Gibson (NCWM) 25-112

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Example(s) of Device: