



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

May 17, 2022

DMS NOTICE
D – 22 – 01
Discard: Retain

TO: WEIGHTS AND MEASURES OFFICIALS

Subject: DCFC EVFS – Testing, Sealing, and Registration

The effective date of California’s electric vehicle fueling systems (EVFS) regulation for direct current fast chargers (DCFC) is January 1, 2023, when newly installed commercial DCFC EVFS become subject to regulatory oversight by California weights and measures officials. The regulation requires that manufacturers of DCFC EVFS be issued a California Department of Food and Agriculture Division of Measurement Standards (DMS) California Type Evaluation Program Certificate of Approval (CTEP COA) prior to the devices being placed into service for commercial purposes. The National Institute of Standards and Technology (NIST) traceability is a requirement for California weights and measures standards (BPC § 12303). However, NIST does not currently have the capability to provide traceable direct current (DC) electrical energy measurements for the calibration of testing standards for DCFC. This prevents the completion of full type evaluation of DCFC EVFS from multiple manufacturers, many of whom are actively seeking type approval for their DCFC EVFS designs.

Many DCFC manufacturers have been awarded funding from the California Energy Commission (CEC) who administers the California Electric Vehicle Infrastructure Project (CALeVIP). CALeVIP has two major funding programs, one which is already underway with a major portion being managed by CALSTART and the next generation of funding that has been named “eVIP 2.0.” CALeVIP’s purpose is to support California’s infrastructure build-out over the next several years to meet the state’s transportation electrification goals. In addition to the \$50M already committed, CALeVIP 2.0 has an additional \$250M of funding commitments for DCFC infrastructure. Due to the lack of a NIST-traceable or other recognized National Metrology Institute (NMI) standard for DC electrical energy measurement, most of these devices will not be able to receive a CTEP COA prior to January 1, 2023.

DMS suggests that county officials apply their normal device registration process for newly installed commercial devices to DCFC EVFS beginning January 1, 2023. However, in order to prevent significant business interruptions and maintain momentum of the state’s transportation electrification goals, DMS recommends that county weights and measures officials delay the enforcement of type evaluation and device accuracy requirements of newly installed commercial DCFC EVFS until recognized and traceable standards for the measurement of DC electrical energy are made available, and state and county field standards for EVFS have been verified to a traceable standard for DC electrical energy.



If you have any questions, please contact Kevin Schnepf at kevin.schnepf@cdfa.ca.gov or contact the Division Office at (916) 229-3000.

Sincerely,

Kristin Macey

Kristin Macey Director
cc: Hyrum Eastman, County/State Liaison

