



July 20, 2022

DMS Notice
D – 22 – 02
Discard: Retain

TO: WEIGHTS AND MEASURES OFFICIALS

Subject: Update on DCFC EVFS – Testing, Sealing, and Registration

The Division of Measurement Standards (DMS) wants to keep you abreast of the occurrences since DMS Notice D - 22 – 01 was issued on May 17, 2022, regarding our preparedness to meet the January 1, 2023 date when electric vehicle fueling systems (EVFS) direct current fast chargers (DCFC) become subject to California's EVFS regulation. On that date, the regulation requires all newly installed DCFC device designs used for commercial purposes be type evaluated and approved by DMS, and county departments of weights and measures are authorized to begin regulating (registration, testing, and sealing) these devices.

Recap of DMS Notice D – 22 – 01: DMS suggested that county officials apply their normal device registration process for newly installed commercial devices to DCFC EVFS after January 1, 2023 but recommended a delay in enforcement due to a lack of recognized and traceable standards for the measurement of DC electrical energy. (DMS must have traceable standards to certify any county field standards used to test and seal commercial DCFC EVFS.)

Updates: Traceable standards for DC electrical energy measurement is still under development at the U.S. Department of Commerce, National Institute of Standards and Technology (NIST). NIST has reassured DMS that this is being given top priority.

DMS has developed an interim strategy to sustain the momentum of meeting the requirements and deadlines in the EVFS regulation and help ensure continued deployment and use of EVFS DCFC in California. DMS communicated this strategy to the Governor's Office of Business and Economic Development (GO-Biz) and other stakeholders (see attached).

DMS notified seventeen (17) known manufacturers of commercial DCFC EVFS that they must submit their type evaluation application to DMS before January 1, 2023 (see attached). DMS will assess each device's compliance with the type evaluation requirements *except* approval of device's accuracy class. DCFC EVFS will be tested at lower energy levels (up to 17kW) but will not be issued an accuracy class approval. Manufacturers whose DCFC are compliant with all other requirements will be issued a Temporary Use Permit which will allow the legal installation and use of those DCFC EVFS.





When DC measurement traceability from NIST becomes available, manufacturers of commercial DCFC EVFS with a Temporary Use Permit will be able to complete the remainder of their type evaluation. Successful applicants will be granted a California Type Evaluation Program Certificate of Approval.

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 Director
cc: Hyrum Eastman, County/State Liaison

Attachments: Direct Current Fast-Charge (DCFC) Electric Vehicle Fueling Systems
(EVFS): Interim Solution to Device Type Evaluation Requirements

DCFC EVFS Manufacturer Notification Letter



Memorandum

To : Tyson Eckerle, GO-Biz
1325 J Street, Suite 1800
Sacramento, CA 95814

Date: June 16, 2022

Place: Sacramento

Phone: (877) 345-4633

From : **Department of Food and Agriculture** -

Kristin Macey, Director
Division of Measurement Standards
6790 Florin Perkins Road, Suite 100
Sacramento, CA 95828

Subject : Direct Current Fast-Charge (DCFC) Electric Vehicle Fueling Systems (EVFS):
Interim Solution to Device Type Evaluation Requirements

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 obtain a California Department of Food and Agriculture, Division of Measurement Standards (CDFA-DMS) California Type Evaluation Program Certificate of Approval (CTEP COA) prior to new DCFC being placed into service for commercial purposes after January 1, 2023. The National Institute of Standards and Technology (NIST) traceability is a requirement for California's weights and measures standards used during type evaluation (Division 5, Business and Professions Code [§ 12303](#)). 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 CDFA-DMS' ability to perform full type evaluation for manufacturers who are now actively seeking type approval for their DCFC EVFS designs.

To overcome this impediment to the planned installations of commercial DCFC and to allow DCFC EVFS manufacturers an opportunity to make good-faith efforts to comply with type evaluation requirements, CDFA-DMS will accept DCFC EVFS applications for type evaluation and assess compliance with all elements of the regulation *except* certification of their accuracy tolerances for DC electrical energy. Manufacturers whose DCFC are compliant with all EVFS device requirements (except accuracy tolerances) will be issued a Temporary Use Permit allowing the legal installation of commercial DCFC EVFS until such time that traceable standards are made available through NIST [Title 4, California Code of Regulations [§ 4002.1](#). General Code (1.10.)].

When measurement traceability becomes available, manufacturers of commercial DCFC EVFS with a Temporary Use Permit will be required to complete the remainder of the CTEP evaluation to obtain a CTEP COA. If you have any questions, please contact Kevin Schnepf at kevin.schnepf@cdfa.ca.gov or (916) 229-3000.

Sincerely,



Kristin Macey
Director, Division of Measurement Standards

cc: Heather Hickerson, Go-Biz
Elizabeth John, CEC
Mark Wenzel, CEC
Ralph Troute, CalStart
Amy Gower, CalStart
Mark Tollefson, Deputy Cabinet Secretary
Dr. Katrice Lippa, NIST Office of Weights and Measures



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

July 20, 2022

Subject: Important Action Item Regarding Direct Current Fast-Charge Electric Vehicle Fueling Systems (DCFC EVFS) Intended To Be Used For Commercial Purposes

Dear DCFC Manufacturer:

On January 1, 2023, all newly installed commercial DCFC EVFS become subject to regulatory oversight by California weights and measures officials. As a DCFC manufacturer, California's EVFS regulation will have a direct impact on your company, and will require engagement and action on your part.

The regulation requires that manufacturers of DCFC EVFS obtain a California Department of Food and Agriculture, Division of Measurement Standards (CDFA-DMS) California Type Evaluation Program Certificate of Approval (CTEP COA) prior to any new DCFC being placed into service for commercial purposes after January 1, 2023. However, currently the National Institute of Standards and Technology (NIST) does not have the capability to provide traceable direct current (DC) electrical energy measurements for the calibration of testing standards for DCFC. Since traceability is a requirement for the measurement standards used by CDFA-DMS (Division 5, Business and Professions Code [§ 12303](#)), we are prevented from performing full type evaluation for manufacturers of DCFC EVFS at this time.

To continue the planned widespread rollout of commercial DCFC throughout California, CDFA-DMS has developed an interim solution for compliance with the California EVFS regulation. DCFC EVFS manufacturers must apply for [CTEP type evaluation](#) before January 1, 2023. This will demonstrate your good faith effort to comply with type evaluation requirements in the regulation. In return, CDFA-DMS will fulfill its legal obligation, within its current capabilities. We will assess compliance of your DCFC with all design and other requirements *except* the certification of accuracy within prescribed tolerances. Manufacturers whose DCFC are compliant with all CTEP requirements (except accuracy tolerances) will be issued a Temporary Use Permit, which will allow the legal installation of your DCFC EVFS until such time that traceable standards are made available through NIST [Title 4, California Code of Regulations [§ 4002.1](#). General Code (1.10.)].

When DC measurement traceability becomes available from NIST, manufacturers of commercial DCFC EVFS with a Temporary Use Permit will be able to complete the remainder of the CTEP evaluation to obtain a CTEP COA.

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



Sincerely,



Kristin Macey
Director, Division of Measurement Standards

