

Priority Item

The Specifications and Tolerances Committee and the NCWM Board of Directors have accepted this Priority Item as a Voting Item for the 107th Annual Meeting in July 2022 in accordance with NCWM Policy 3.3.2. Procedures to Modify Handbooks.

EVF-22.1 V Section 3.40. Electric Vehicle Fueling Systems

Source:

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Purpose:

To establish Section 3.40. Electric Vehicle Fueling Systems code as permanent.

Item Under Consideration:

Amend Handbook 44, Electric Vehicle Fueling Systems Code as follows:

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Section 3.40. Electric Vehicle Fueling Systems – ~~Tentative Code~~

~~This tentative code has a trial or experimental status and is not intended to be enforced. The requirements are designed for study prior to the development and adoption of a final code. Officials wanting to conduct an official examination of an Electric Vehicle Supply Equipment (EVSE) or system are advised to see paragraph G A.3. Special and Unclassified Equipment.~~

~~(Tentative Code Added 2015)~~

The status of Section 3.40. Electric Vehicle Fueling Systems was changed from “tentative” to “permanent” effective January 1, 2023. (Added 2015) (Amended 2022)

Previous Action:

New

Original Justification:

In 2012, NIST formed the U.S. National Work Group (USNWG) on Measuring Systems for Electric Vehicle Fueling. Membership opportunities were announced in Federal Register Notice 2012-19285. The chief purpose of the USNWG was to develop national uniform standards and requirements for EVSE. USNWG members included federal, state, and local government, various electrical component and EVSE manufacturers, other EVSE industry representatives, and representatives from Nationally Recognized Testing Laboratories. The proposed requirements in this regulation are the work product of the USNWG. They have been fully developed and vetted over the course of seven years. Since 2016, EVSE specifications and tolerances have been published in NIST Handbook 44 and made available to the public and the EVSE industry. Industry has had over five years to design and engineer EVSE to meet the published requirements.

We are requesting this be made a priority item. In addition to the code having been published in Handbook 44 since 2016, we believe this would fall under; **NCWM Policy 3.3.2. E. Exceptions to Policy for Submission of Items to the NCWM Committee Agenda; Submission of “Priority” Items, Part 1.d. items which could affect health and safety.**

As you may be aware, the U.S. Department of Transportation has released the National Electric Vehicle Infrastructure Formula Program (NEVI) which allocates \$5 billion to the states to support EV charging infrastructure. Plans for use of these funds are due August 1, 2022. It is our contention that without national standards in place, there is the opportunity for funds to be disseminated at year's end to businesses that could manufacture unsafe devices.

https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf

The submitters believe making this code permanent will ensure the safety of use and testing as more are put into service. They also understand that, like every other code in Handbook 44, requirements are continually changed and updated.