

January 22, 2020

MEMORANDUM FOR NCWM Specifications and Tolerances (S&T) Committee
Regional Weights and Measures Association S&T Committees

From: Tina G. Butcher, Chairman and Juana Williams, Technical Advisor
U.S. National Work Group on Electric Vehicle Fueling and Submetering (EVF&S)
Electric Vehicle Fueling Equipment (EVFE) Subgroup

Subject: 2020 Proposed Modifications to NIST Handbook (HB) 44 Code on Electric Vehicle Fueling and Timing
Devices for Electric Vehicle Fueling

The U.S. National Work Group (USNWG) on Electric Vehicle Fueling & Submetering (EVF&S) - EVFE Subgroup submits this input on the proposed modifications to NIST Handbook 44 Section 3.40. Electric Vehicle Fueling Systems – Tentative Code and Section 5.55 Timing Devices Code requirements that apply to electric vehicle fueling systems that are under consideration by the NCWM S&T Committee and regional weights and measures associations for inclusion in NIST Handbook 44.

The EVFE Subgroup recommends that the status of the following items on the January 2020 NCWM Interim Meeting S&T Committee Agenda be designated as “Voting” for adoption by the NCWM in July 2020. The Subgroup recommends the same status be designated on the Spring Regional Weights and Measures Associations S&T Committee Agendas.

EVF-19.1: S.3.5. Temperature Range for System Components and S.5.2. EVSE I.D. and Marking Requirements, Temperature – Changed from “Developing” to “Voting”;

TIM-20.1: S.1.1.3. Value of Smallest Unit, Time – “Voting”; and

OTH-20.1: Appendix D Definition “Submeter” – Voting

The USNWG EVFE Subgroup agreed the proposed modifications to NIST HB 44 Section 3.40 and Section 5.55 are ready for adoption and that the suggested refinements to these requirements are warranted for EVSEs to eliminate any conflict in the temperature range for operation and required marking information; clarify the appropriate increment value for the indicated and recorded time charges; and better define which commercial electrical energy applications fall under the jurisdiction of the weights and measures authority based on a proposal developed by the WHE Subgroup.

The EVFE Subgroup has discussed but not yet reached a consensus on the proposed or alternate language for S&T Agenda Item EVF-20.1: S.1.3.2. EVSE Value of the Smallest Unit. The Subgroup last met on January 21, 2020 and agreed to continue its deliberations and therefore recommends the proposal be given “Developing” status.

For questions about this work or the draft code, please contact me by email at: tina.butcher@nist.gov or by telephone at: (301) 975-2196 or Juana Williams (NIST OWM), USNWG EVF&S Technical Advisor, by email at juana.williams@nist.gov or by telephone at: (301) 975-3989.