

NEMA Industry Proposal Current HB44 Draft be put forward for vote

Overview

- NIST & Industry have been engaged together on this since 2017
- Many improvements have been made
- Strong desire to move forward on this code development process
- Submeters have been approved under CTEP protocols in for California for many years
- Belief that there is an agreeable solution that can be arrived at during the Tentative regulation phase of this process



Why Propose Current HB44 Draft

- Uniform requirements across the US considering other state processes that are already doing things that are part of this code including sensor secondary as meter input
- Consideration of latest technologies
 - Opens the idea of using alternative read methods which are available at similar rates to pulses using data protocols
- Opens the opportunity for trying the process (Tentative Regulation)
 - Corrects issues of uniqueness and resolve ambiguities
 - Positions to avoid generating a new variant of product for manufacturers



Continued

- Participate in the development of test methods from previously mentioned protocols and allow use of software automation
 - PUB 14 document Type testing
 - EPO 30 Field testing
 - Qualify automation during Type Approval process
- Common and easier marking practices
 - Software identification of metering devices
 - Allow catalog numbers not just model numbers
 - Model name Does not require “MOD/MODEL” prefix similar for serial numbers
 - NTEP Certificate can provide some guidance to regulators on how to identify nomenclature used on a product. Regulators can use NTEP certificates to help understand how required details of a product can be reached.



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- Option to mark the meter identifying the input of the meter based on a sensor category and make better use of the redefined meter display providing more flexibility
 - Table S3.2.3.a
- Continue to allow older equipment to operate in context of primary input vs secondary output as a meter input designation
- Simple nomenclature to avoid manufacturers having to provide additional markings/variants of product
 - Names and symbols identification and associated guidance can also be part of the NTEP certificate.
 - Product manuals should be able to be used to guide a user (including a regulator to how to find specific information if it is not hard marked on the product itself.



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- Tenant Review
 - Reasonable and safe access to data for tenants with easy to use portals and web access as opposed to displays in utility rooms that should not be accessed by the general public.
- Simpler Field Verification
 - Web interface capabilities to allow remote access when there is significant distance between the panel and the meter

