Abstract Pierre R. LeBlanc - Measurement Canada

Thermal Energy Type Approval in Canada

Measurement Canada has a unique role as the federal regulator for trade measurement / legal metrology in Canada. The Type Approval process will be explained through a brief overview of the governing laws, regulations and policy. The steps in the process are fairly uniform across the disciplines and will be outlined to help give a roadmap for device manufacturers. We have many calibration services and provide Type Approval for a larger number of measuring devices. Thermal energy meters are a relatively new device type for the Canadian market. As the timeline will show, great progress has been achieved in the last 7 years, we've procured a new test bench and our dedicates metrologists and scientists are quickly gaining experience in testing and assessment. This could not have happened without the support and collaboration with European colleagues in National Metrology Institutes, Notified Bodies and manufacturers.
Measurement Canada remains open to collaboration through recognition agreements, memorandum or understanding or other formal vehicles. Provided that the end goal helps ensuring equity and accuracy of the technology in the Canadian marketplace. The adoption of EN1434 in Canada will be discussed as well as the prevailing challenges in adopting it directly. Additionally, we will present the current thermal energy meters and sub-assembly testing capabilities at the laboratory at Headquarters in Ottawa, Ontario, Canada. We will also clearly outline which test data can be accepted and which must be further validated. Some special considerations remain in comparisons to those under the MID and OIML-CS, specifically as it pertains to manufacturer-supplied data and independent third-party performance testing data.