AMERICAN NATIONAL STANDARD

ANSI/MSE 50028-2:2019

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Superior Energy Performance 50001™ Program – Requirements for verification bodies for use in accreditation or other forms of recognition

Secretariat:
Georgia Tech Energy and Sustainability Services (GTESS)
Approved an an American National Standard on May 3, 2019

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Standard Developer:
Georgia Tech Energy and Sustainability Services (GTESS)
Enterprise Innovation Institute
Georgia Institute of Technology
75 Fifth Street, N.W.
Suite 3000
Atlanta, GA 30308-0640
770-605-4474
energy@innovate.gatech.edu
www.energymanagementstandards.org

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Foreword

The American National Standards Institute (ANSI) is a private, non-profit organization [501(c)(3)] that administers and coordinates the U.S. voluntary standardization and conformity assessment system. ANSI is the official U.S. representative to the International Organization for Standardization (ISO). ANSI is a U.S. representative to the International Accreditation Forum (IAF), and, via the U.S. National Committee,represents the U.S. to the International Electrotechnical Commission (IEC). ANSI is also the U.S. member of the Pacific Area Standards Congress (PASC) and the Pan American Standards Commission (COPANT).

ANSI approval of a standard verifies the principles of openness and due process have been followed in the approval procedure and a consensus of those directly and materially affected by the standards has been achieved. A Draft National Standard was circulated to the Georgia Tech Energy and Sustainability Services (GTESS) Consensus Board, consisting of a balanced group of materially affected interests and to those responding to the public announcements in *ANSI Standards Action*. Approval of this Standard as an American National Standard requires acceptance by a minimum of 80 percent of the Consensus Board members casting a vote.

ANSI/MSE 50028-2:2019, *Superior Energy Performance 50001™ Program-Requirements for verification bodies for use in accreditation or other forms of recognition*, was developed by GTESS. No patent rights or requirements for specific equipment or services are included in this document. ANSI/MSE 50028-2:2019 addresses requirements for bodies performing Superior Energy Performance® energy management system audit and certification and energy performance verification.

ANSI/MSE 50028-2:2019 contains two normative annexes (Annex A, Annex B) that provide requirements which are mandatory to this document.

Submit formal requests for interpretations of ANSI/MSE 50028-2:2019 requirements to GTESS Standards Coordinators, Holly Grell-Lawe (holly.grellawe@innovate.gatech.edu) or Deann Desai (deann.desai@gatech.edu), Georgia Tech Energy and Sustainability Services, Enterprise Innovation Institute, 75 Fifth Street, N. W., Suite 300, Atlanta, GA 30332-0640; Telephone: 770-605-4474; Web: www.energymanagementstandards.org. The GTESS Interpretations Committee will review and determine disposition of each request.

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Introduction

Certification of an energy management system and verification of its energy performance by a competent verification body (VB) provides assurance that the organization has implemented a system that conforms to ISO 50001 and has attained verified energy performance improvement in accordance with the Superior Energy Performance 50001™ Program (hereinafter, SEP) requirements.

This document specifies requirements for VBs performing SEP certification and energy performance verification. Observance of these requirements is intended to ensure that verification bodies verify conformance to SEP requirements in a competent, consistent and impartial manner, thereby facilitating the recognition of such bodies and the acceptance of their certifications on a national and international basis. This document serves as a foundation for facilitating the recognition of SEP verification in the interests of international trade.

Certification to SEP requirements provides independent demonstration of energy performance improvement.

Conformity assessment and verification of energy performance provides value to the organization, its customers and interested parties.

Auditor competence is addressed for SEP through this document and the personnel certification schemes from the Institute of Energy Management Professionals™ (IEnMP).

Note that the bodies that verify energy performance in accordance with the requirements of the SEP Program are referred to as verification bodies or VBs. This wording should not be an obstacle to the use of this document by bodies with other designations that undertake activities covered by the scope of this document.

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Superior Energy Performance 50001™ Program – Requirements for verification bodies for use in accreditation or other forms of recognition

1 Scope

This document applies to verification bodies seeking to perform SEP verification services.

2 Normative references

ISO/IEC 17021-1:2015, *Conformity Assessment – Requirements for bodies providing audit and certification of management systems – Part 1: Requirements*

ISO 50003:2014, *Energy management systems – Requirements for bodies providing audit and certification of energy management systems*

ISO 50001 *Energy management systems—Requirements with guidance for use*

ANSI/MSE 50028-1, *Superior Energy Performance® — Additional Requirements for Energy Management Systems* (formerly ANSI/MSE 50021)

Superior Energy Performance 50001™ Program Certification Protocol
NOTE 1 This is also called the *SEP Certification Protocol*

Superior Energy Performance 50001™ Program Measurement and Verification Protocol
NOTE 2 This is also called the *SEP M&V Protocol*

3 Terms and definitions

3.1
Superior Energy Performance 50001™ Program
(SEP)
program that specifies the method for determining energy performance

3.2
SEP Performance Verifier
(SEP PV)
competent and independent person or persons with responsibility for verifying and reporting on the results of an SEP energy performance indicator (SEnPI) performance claim and reporting results to the Lead Auditor for SEP and the client as appropriate

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