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Superior Energy Performance 50001™
Program- Additional Requirements for
Energy Management Systems

Secretariat:
Georgia Tech Energy and Sustainability Services (GTESS)

Approved as an American National Standard on April 9, 2019



ANSI/MSE 50028-1:2019

American National Standard

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Table of Contents

Foreword 5

Introduction 6

1. Scope 7

2. Normative references 7

3. Terms and definitions..... 7

4. What are the general requirements for SEP? 10

5. What are the planning requirements for SEP? 10

6. What are the operational requirements for SEP? 11

7. What are the “check” requirements for SEP? 11

8. What are the “act” requirements for SEP? 12

9. What are the additional multi-site requirements for SEP? 12

Annex A (normative) 14

A.1 Clarification of Scope..... 14

A.1.1 Facility criteria..... 14

A.1.2 Measured energy consumption..... 14

A.1.3 Exclusions..... 15

Annex B (informative) 16

Facility Examples 16

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 Accreditation Forum (IAF), the International Organization for Standardization (ISO) and, via the U.S. National Committee, 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 that the principles of openness and due process have been followed in the approval procedure and that 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 50028-1:2019 Superior Energy Performance 50001™ Program — Additional Requirements for Energy Management Systems was developed by GTESS. This Standard contains one normative annex (Annex A) which is a required part of the Standard.

Submit formal requests for interpretations of ANSI/MSE 50028-1:2019 requirements to GTESS Standards Coordinators, Holly Grell-Lawe or Deann Desai, Georgia Tech Energy and Sustainability Services (GTESS), 75 Fifth Street, N. W., Suite 3000, Atlanta, GA 30332-0640; E-Mail: energy@innnovate.gatech.edu; Telephone: 770-605-4474; Web: www.energymanagementstandards.org. The GTESS Interpretations Committee will review and determine the disposition of each request.

ANSI/MSE 50028-1:2019

Introduction

Third party conformity assessment to the Superior Energy Performance 50001™ (SEP 50001™) Program is a scheme from the U.S. Department of Energy that is accredited through Accreditation Bodies. The SEP 50001™ Program (hereinafter “SEP”) allows organizations to demonstrate the continual improvement achieved in energy performance during the achievement period. SEP provides a transparent, globally accepted system for verifying energy performance improvements and management practices. A central element of SEP is implementation of *ISO 50001 Energy management systems—Requirements with guidance for use*, with additional requirements for energy management and for achieving and documenting energy performance improvements.

The purpose of this American National Standard, ANSI/MSE 50028-1:2019, is to specify the additional SEP energy management requirements beyond the ISO 50001 requirements that are necessary for SEP certification. Annex A of this Standard is a normative annex (i.e. contains requirements) that provides SEP requirements related to the scope. SEP performance related requirements are set out in the normative documents listed in Section 2 of this Standard.

Conformance with ANSI/MSE 50028-1:2019 is required for SEP 2019 certification.

SEP is applicable to organizations of all sizes and levels of experience in managing energy. Conforming to the SEP requirements helps organizations achieve their sustainability goals, providing organizations with tools to manage their energy consumption, related costs, and programs such as carbon footprint.

In this Standard, the word “shall” is a requirement.

Superior Energy Performance® 50001 Program - Additional Requirements for Energy Management Systems

1. Scope

This American National Standard specifies the additional requirements for the Superior Energy Performance 50001™ Program (hereinafter, "SEP") utilizing the energy management system (hereinafter, "EnMS").

This American National Standard is used in conjunction with *ISO 50001 Energy management systems – Requirements with guidance for use*, and it can be aligned or integrated with other management systems.

This American National Standard is applicable to any organization that wishes to ensure its conformity to the requirements of SEP and desires to demonstrate such conformance to others. This can be confirmed by certification to SEP by an ANAB accredited organization called an SEP verification body and certification to ISO 50001 requirements by an ANAB accredited ISO 50001 certification body or a ANAB accredited SEP verification body.

Organizations certified to the SEP 2012 or SEP 2017 Programs must transition to SEP 2019.

2. Normative references

Superior Energy Performance 50001™ Program Measurement and Verification Protocol (SEP M&V Protocol)

Superior Energy Performance 50001™ Program Certification Protocol (SEP Certification Protocol)

ISO 50001 Energy management systems-Requirements with guidance for use (ISO 50001)

3. Terms and definitions

3.1

achievement period

interval between the end of the *baseline period* (3.2) and the end of the *reporting period* (3.14)