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ANSI/MSE 50021-2016

Superior Energy Performance[®] — Additional Requirements for Energy Management Systems

Secretariat:
Georgia Tech Energy and Sustainability Services (GTESS)

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ANSI/MSE 50021-2016

American National Standard

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Foreword

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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 50021-2016 *Superior Energy Performance*[®] — *Additional Requirements for Energy Management Systems* was developed by GTESS. This Standard contains one normative annex (Annex A) which is considered a required part of the Standard.

Submit formal requests for interpretations of ANSI/MSE 50021-2016 requirements to GTESS Standards Coordinators, Holly Grell-Lawe or Deann Desai, Georgia Tech Energy and Sustainability Services (GTESS), 75 Fifth Street, N. W., Suite 300, 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 disposition of each request.

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Introduction

Third party conformity assessment to Superior Energy Performance[®] (SEP[™]) is a scheme from the U.S. Department of Energy that is accredited through Accreditation Bodies. The SEP program 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 50021-2016, 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 of the system. SEP performance related requirements are set out in the normative documents listed in Section 2 of this Standard.

The SEP program requirements will vary based on the applicant's desired level of energy performance achievement (Bronze, Silver, Gold or Platinum). Conformance with MSE 50021-2016 is required for SEP certification across all levels of SEP energy performance achievement.

Superior Energy Performance 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.

All of the titles, including section titles, in this Standard have been taken directly from ISO 50001:2011 © ISO – All rights reserved, with the permission of the American National Standards Institute on behalf of the International Organization for Standardization (ISO).

This is a preview of "ANSI/MSE 50021-2016". [Click here to purchase the full version from the ANSI store.](#)

Superior Energy Performance[®] – Additional Requirements for Energy Management Systems

1. Scope

This American National Standard specifies requirements for an organization to establish, implement, maintain and improve energy performance through Superior Energy Performance[®] (hereinafter, "SEP") and an energy management system (hereinafter, "EnMS").

This American National Standard is used in conjunction with ISO 50001:2011 *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 a SEP-accredited organization called a verification body and certification to ISO 50001 requirements by an accredited ISO 50001 certification body or a SEP-accredited verification body.

2. Normative references

Superior Energy Performance[®] Measurement and Verification Protocol
Superior Energy Performance[®] Scorecard
Superior Energy Performance[®] Certification Protocol
ISO 50001:2011 Energy management systems-Requirements with guidance for use

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** (3.24)

Note 1 to entry: The achievement period shall not be more than 10 years.

3.2

baseline period

specific period of time selected as the reference period for the determination of SEP **energy performance improvement** (3.11)

3.3

boundaries

physical or site limits as defined by the **organization** (3.20)

[Source: ISO 50001:2011, 3.1 - modified (removed "and/or organization limits" and examples)]

3.4

central office

location or network of local offices or branches (sites) of a **multi-site organization** (3.17), at which EnMS activities are fully or partially planned, controlled or managed