



*NSF International Standard /  
American National Standard*

## NSF/ANSI 426 - 2018

**Environmental Leadership and  
Corporate Social Responsibility  
Assessment of Servers**



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**NSF/ANSI 426 – 2018**

NSF International Standard/  
American National Standard  
for Sustainability—

# **Environmental Leadership and Corporate Social Responsibility Assessment of Servers—**

**Standard Developer**

NSF International

**Designated an ANSI Standard**

November 9, 2018

**American National Standards Institute**

Prepared by  
**The NSF Joint Committee on Environmental Standard for Servers**

Recommended for Adoption by  
**The NSF Council of Public Health Consultants**

Adopted by  
**NSF International**  
August 2017

Revised December 2018

Published by

**NSF International**  
**PO Box 130140, Ann Arbor, Michigan 48113-0140, USA**

For ordering copies or for making inquiries with regard to this Standard, please reference the designation "NSF/ANSI 426 – 2018."

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## Foreword<sup>2</sup>

This American National Standard, NSF/ANSI 426 Environmental Leadership and Corporate Social Responsibility Assessment of Servers, has been developed as part of the ongoing efforts of a number of interested parties to document and improve the environmental and corporate performance profile of servers using established and advanced scientific principles, practices, materials, and standards.

The purpose of this Standard for servers is to establish product environmental performance criteria and corporate performance metrics that exemplify environmental leadership and corporate social responsibility in the market. These performance criteria are intended to form the basis of conformity assessment programs, such as third-party certification or registration.

This edition of the Standard contains the following revisions:

### Issue 3

This revision addressed multiple corrections, clarifications and general updates to the standard including criteria:

- 5.5.1 - Update reference to KSEP & Remove two legacy references to “silver level or higher”
- 7.1.3, 5.5.1 and 12.4.2 - Technical correction to IAF language
- 12.4.3 - Clarify timeframes for certifications/audits
- 12.5.3 - Modify verification requirement to align with criterion
- 6.1.4 - Correct the reference to footnote 51 to 50
- 7.1.3, - Add “or equal to” to the not applicable statement
- 6.3.1 - Make “year-to-year reduction activities” consistent
- 11.1.2 - align verification requirement a) with criterion text
- 11.2.1 - Remove reference to IEEE-NSF Joint Task Group
- 11.2.2 - Change reference from 11.2.1 to 11.1.2
- 12.3.2 - Revise verification requirements to align with criterion
- 11.2.3 - Revise to remove undefined terms
- 5.5.1 - Update the name of the DOE SEP program

### Issue 4

This revision adds an optional path to criterion 5.5.1 that allows for a self-declared energy management system that meets the requirements of ISO 50001.

### Issue 5

This revision is to criteria 12.2.3, 12.4.2 and 12.4.3 modifies the language to clarify supplier scope and adds a definition for facility.

### Issue 6

This revision is to criterion 12.2.1 and changes the number of GRI standard indicators from 12 to 10 in order to achieve 2 optional points.

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<sup>2</sup> The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

## **Issue 7**

This revision is to criterion 12.4.3 and introduces a risk-based approach when determining what facilities to audit.

This Standard was developed by the NSF Joint Committee on Environmental Standard for Servers using the consensus process described by the American National Standards Institute.

Suggestions for improvement of this Standard are welcome. This Standard is maintained on a Continuous Maintenance schedule and can be opened for comment at any time. Comments should be sent to Chair, Joint Committee on Environmental Standard for Servers at [standards@nsf.org](mailto:standards@nsf.org), or NSF International, Standards Department, P.O. Box 130140, Ann Arbor, Michigan 48113-0140, USA.

## NSF/ANSI Standard for Sustainability—

# Environmental Leadership and Corporate Social Responsibility Assessment of Servers—

## 1 Overview

### 1.1 Scope

This Standard defines environmental and corporate social responsibility performance criteria for computer servers as defined in the ENERGY STAR Server specification<sup>3</sup>.

This Standard establishes criteria for multiple levels of environmental leadership and corporate social responsibility performance throughout the product life cycle, relating to energy efficiency; management of substances; preferable materials use; product packaging; design for repair, reuse and recycling; product longevity; responsible end-of-life management; and corporate responsibility.

### 1.2 Purpose

The purpose of this Standard for servers is to establish product environmental performance criteria and corporate performance metrics that exemplify environmental leadership and corporate social responsibility in the market.

The Standard provides a framework and standardized set of performance objectives for manufacturers and the supply chain in the design and manufacture of servers and server components. For purchasers, this Standard provides a consensus-based definition of key environmental and corporate social responsibility attributes and performance metrics, alleviating individual purchasers from the arduous and complex task of defining environmental and corporate social responsibility performance for servers and server manufacturers. This Standard can be used within an established system for the identification of environmentally preferable products by purchasers and to provide market recognition for conforming products and brand manufacturers.

This Standard is an environmental leadership and corporate social responsibility Standard, defined with the recognition that only leading products, i.e., approximately 25 – 35% of the products available in the marketplace, would be likely to qualify to the base or Bronze level, and even fewer at the Silver and Gold levels, at the date of publication of this Standard, although this Standard does not limit the number of products that can so qualify. As the environmental performance of products and that are available in the marketplace, and corporate social responsibility of server manufacturers, improves, it is intended that the criteria will be updated and revised to set a higher performance Standard for leadership products.

This Standard will be continually maintained and periodically reviewed to ensure that the definition of environmental leadership and corporate social responsibility, as reflected in the performance criteria, progresses with the evolution of technology and services and environmental and corporate social responsibility improvements in the product sector.

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<sup>3</sup> ENERGY STAR. 1200 Pennsylvania Ave NW Washington, DC 20460 <[www.energystar.gov](http://www.energystar.gov)>