MEMORANDUM

TO: NSF Joint Committee on Environmental Leadership and Corporate Social Responsibility Assessment of Servers

FROM: Jennifer Costley, Chairperson of the Joint Committee

DATE: July 31, 2018

SUBJECT: Proposed Revision to *NSF/ANSI 426 – 2017 Environmental Leadership and Corporate Social Responsibility Assessment of Servers (426i4r1)*

Draft 1 of NSF/ANSI 426, issue 4 is being forwarded to the Joint Committee for consideration. Please review the changes proposed to this standard and **submit your vote by the ballot due date of August 30, 2018** via the NSF online workspace (http://standards.nsf.org).

Each Joint Committee member will vote *affirmative*, *abstain*, or *negative with comment*. Each negative vote **must** be justified in the comment section. Please include exactly why you oppose and what changes must be made in order for you to support the proposed draft.

When adding comments, please identify the section number/name for your comment and add all comments under one comment number whenever possible. If you need additional space, please upload a word or pdf version of your comments online via the browse function.

A copy of the NSF International Standard Development and Maintenance Policies are available here for further information on the process.

Purpose
The purpose of this ballot is to vote and comment on proposed revisions to NSF/ANSI 426 regarding the addition of an optional path to criterion 5.5.1 that allows for a self-declared energy management system that meets the requirements of ISO 50001.

Background
A proposal was submitted to add an option to criterion 5.5.1 that allows for a self-declared energy management system that meets the requirements of ISO 50001.

This issue was presented at the June 19, 2018 JC meeting and it was decided to send the issue paper to a small task group to provide a recommendation that balanced the need for a flexible option while still balancing the points and rigor of the criterion. The small task group met on June 22, 2018 to review the issue paper and provide a recommended revision.

The revised issue paper and recommendations from the small task group were presented at the July 17, 2018 JC meeting and the committee voted in favor of balloting the proposed revision. Please see the original issue paper (2018 NSF 426 Issue Paper 6) and the June 19 and July 17, 2018 JC meeting summary under the referenced items for additional information.

Public Health Impact
The proposed revisions to the standard intend to have a positive impact on public health.

If you have any questions about the technical content of the ballot, you may contact me in care of:

Jennifer Costley, Chairperson
Joint Committee on Environmental Leadership and Corporate Social Responsibility Assessment of Servers
c/o Joint Committee Secretariat,
Jessica Slomka
NSF International
(734) 214-6219
jslomka@nsf.org

Note - Provided below are two versions of the criteria revisions.

1) The first version below is the OFFICIAL ballot showing the proposed revisions using ~~strikeout~~ for proposed removal of existing text and grey highlights to indicate the proposed new text. Only the revisions for this NSF Ballot (426i4r1) are shown.

2) The second version, provided within the RED BOX is for informational purposes only and is not part of this official ballot. The revisions for this ballot merged with the revisions from NSF Ballots 426i3r1 and 426i7r1 are shown for clarity. NSF Ballots 426i3r1 and 426i7r1 revisions are shown in red text are NOT included in this ballot.

NSF/ANSI Standard
for Sustainability –

Environmental Leadership and Corporate Social Responsibility Assessment of Servers

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5.5.1 Optional - Energy efficient supply chains

Manufacturer shall demonstrate that supplier facilities providing the design and, or manufacture of ~~manufacturing~~ one or more listed components or services meet one of the following:

a) Self-declaration of an energy management system that meets the requirements of ISO 50001, or a nationally adopted version of the standard.

b) Third party certification to ISO 50001 or a nationally adopted version of ISO 50001. A supplier manufacturing facility will be considered ISO 50001 certified if it is certified individually or if it is within the scope of an enterprise ISO 50001 certification. Certification(s) shall have been obtained from a third party certification body accredited by an International Accreditation Forum (IAF) member accreditation body whose scope of accreditation includes the specified Standard.

c) Third party certification to one of the following:

— the U.S. DOE Superior Energy Performance™ (SEP) program by an ANAB-accredited SEP verification body(ies); or

— Korea SEP (KSEP) program, or

— a nationally equivalent program at the Silver level or higher. An equivalent program shall meet the requirements of the US DOE SEP program[45].

Where a corporate certification is achieved by a supplier in accordance with a multisite certification, the certificate shall include all facilities claimed in the scope of facilities below.

The scope of facilities for this criterion includes suppliers of the following nine component or service categories for products within the scope of this Standard:

- printed circuit board
- printed circuit board assembly
- integrated circuit
- memory
- microprocessors
- battery
- power supply
- fans
- final assembly

Optional points shall be awarded based on the number of credits achieved through the suppliers' facilities meeting a), ~~or~~ b) or c) above. Supplier facilities ~~meeting a)~~ receive ~~1~~ credit~~, and supplier facilities meeting b) receive two credits. Optional points are awarded~~ as follows:

- Facilities meeting part a) receive 1/2 credit
- Facilities meeting part b) receive 1 credits
- Facilities meeting part c) receive 2 credits

Optional points are awarded as follows:

- 1 optional point for 10 supplier facility credits
- 2 optional points for 20 supplier facility credits

The number of facilities for which credits may be claimed are limited to:

- 2 suppliers per component or service category
- 3 facilities per supplier

Point value: 1 or 2

Geographic applicability: This criterion shall be declared the same in all countries or regions for which the product is declared to conform to this Standard. The approach used to conform to this criterion may vary by country or region.

Verification requirements:

~~a) identification of the suppliers, and components from facilities that meet Part a) or b).~~

a) identification of the suppliers, components, and number of facilities or enterprises that meet the requirements of Part a), ~~or~~ b) or c).

b) For facilities claiming Part a), either copy of 50001 Ready program[1] recognition certificate(s) at the facility level, or all of the following:

i. Copy of the EnMS policy
ii. Document demonstrating top management commitment to the EnMS
iii. Description of context and scope of the EnMS
iv. Energy review within the EnMS, scope and resulting significant energy uses, and at least 24 months of energy consumption data prior to the time product declaration
v. List of energy objectives, energy performance indicators (EnPIs), energy baseline(s) and action plans to achieve objectives
vi. Demonstration of process to manage and implement annual internal ISO 50001 audits and summary of results of annual internal ISO 50001 audits
vii. Documentation of annual management review and management decisions of effectiveness and suitability of the EnMS
viii. Evidence of continual improvement of the organization's energy performance through the results of the implemented action plans

c) either one, or a combination of i) and ii) below:

i. for Part ~~b~~a), certificates, either at facility or enterprise level to ISO 50001 certification(s) or to certification(s) to a nationally adopted version of the Standard for all facilities claimed in scope. from a third party certification body accredited by an International Accreditation Forum member accreditation body whose scope of accreditation includes the specified Standard.

ii. for Part ~~c~~b):

— documentation of current U.S. DOE SEP program Silver level or higher certification, or certification(s) to a nationally equivalent SEP program.

— national program meets U.S. DOE SEP program equivalency, if an equivalent SEP program is used.

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***Clarification ONLY**: Information provided within the red text box is not officially part of the ballot and is provided for clarify ONLY. NSF currently has a ballot open (NSF Ballot 426i3r1) to address additional revisions to this criterion. For reference purposes only, we have merged the revisions from this ballot and*

[1] https://www.energy.gov/eere/amo/50001-ready-program

the ballot noted above for clarity and included the combined langue below; however, please note that this is for informational purposes only. All RED text is for clarification ONLY and not a part of the official ballot. The official balloted language you are voting on is provided outside the text box.

Merged Language for Informational Purposes Only:

5.5.1 Optional - Energy efficient supply chains

Manufacturer shall demonstrate that supplier facilities providing the design and, or manufacture of ~~manufacturing~~ one or more listed components or services meet one of the following:

a) Self-declaration of an energy management system that meets the requirements of ISO 50001, or a nationally adopted version of the standard.

b) Third party certification to ISO 50001 or a nationally adopted version of ISO 50001. A supplier manufacturing facility will be considered ISO 50001 certified if it is certified individually or if it is within the scope of an enterprise ISO 50001 certification. Certification(s) shall be ~~have been~~ obtained from a ~~third party~~ certification body accredited by an accreditation body that is a signatory to the International Accreditation Forum (IAF) Multilateral Recognition Arrangement (MLA) ~~member accreditation body whose~~ with the appropriate scope of accreditation ~~includes the specified Standard~~.

c) Third party certification to one of the following:

— the U.S. DOE 50001 Superior Energy Performance™ (50001 SEP) program by an ANAB-accredited SEP verification body(ies); or

— Korea Superior Energy Management System (Superior EnMS) Program ~~Korea SEP (KSEP) program~~, or

— a nationally equivalent program ~~at the Silver level or higher~~. An equivalent program shall meet the requirements of the US DOE 50001 SEP program[45].

Where a corporate certification is achieved by a supplier in accordance with a multisite certification, the certificate shall include all facilities claimed in the scope of facilities below.

The scope of facilities for this criterion includes suppliers of the following nine component or service categories for products within the scope of this Standard:

— printed circuit board
— printed circuit board assembly
— integrated circuit
— memory
— microprocessors
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- fans
- final assembly

Optional points shall be awarded based on the number of credits achieved through the suppliers' facilities meeting a), ~~or~~ b) or c) above. Supplier facilities ~~meeting a)~~ receive ~~1~~ credit~~, and supplier facilities meeting b) receive two credits. Optional points are awarded~~ as follows:

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Verification requirements:

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a) identification of the suppliers, components, and number of facilities or enterprises that meet the requirements of Part a), ~~or~~ b) or c).

b) For facilities claiming Part a), either copy of 50001 Ready program[2] recognition certificate(s) at the facility level, or all of the following:

i. Copy of the EnMS policy
ii. Document demonstrating top management commitment to the EnMS
iii. Description of context and scope of the EnMS
iv. Energy review within the EnMS, scope and resulting significant energy uses, and at least 24 months of energy consumption data prior to the time product declaration
v. List of energy objectives, energy performance indicators (EnPIs), energy baseline(s) and action plans to achieve objectives

[2] https://www.energy.gov/eere/amo/50001-ready-program

vi. Demonstration of process to manage and implement annual internal ISO 50001 audits and summary of results of annual internal ISO 50001 audits

vii. Documentation of annual management review and management decisions of effectiveness and suitability of the EnMS

viii. Evidence of continual improvement of the organization's energy performance through the results of the implemented action plans

c) either one, or a combination of i) and ii) below:

i. for Part b~~a~~), certificates, either at facility or enterprise level to ISO 50001 certification(s) or to certification(s) to a nationally adopted version of the Standard for all facilities claimed in scope. Certification(s) shall be obtained from a ~~third-party~~ certification body accredited by an accreditation body that is a signatory to the IAF MLA ~~International Accreditation Forum member accreditation body whose~~ with the appropriate scope of accreditation ~~includes the specified Standard~~.

ii. for Part c~~b~~):

— documentation of current U.S. DOE 50001 SEP program ~~Silver level or higher~~ certification, or certification(s) to a nationally equivalent 50001 SEP program.

— national program meets U.S. DOE 50001 SEP program equivalency, if an equivalent 50001 SEP program is used.