

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

December 2, 2015

Dear Large Network Equipment (LNE) Manufacturer or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to provide you with the Final Version 1.0 ENERGY STAR Large Network Equipment Specification. EPA would like to thank the many stakeholders who have invested time and effort to this specification development effort. The effective date of the Version 1.0 ENERGY STAR Large Network Equipment Specification is **March 1, 2016**. This letter highlights key features of the new specification and outlines the process for certifying products to it.

Differentiating energy efficient large network equipment will help IT and data center operators select products that will save them money on their energy bills, will assist manufacturers of efficient equipment in increasing sales, and will drive down the energy use of data centers and server closets – estimated to be more than 2% of total U.S. electricity consumption. The ENERGY STAR Large Network Equipment Specification enhances the suite of ENERGY STAR data center specifications which currently includes Computer Servers, Data Center Storage, and Uninterruptible Power Supply specifications.

In addition, this specification:

- Allows for certification of a wide range of enterprise grade switches and routers not covered in the ENERGY STAR Small Network Equipment Specification, with varying form factors and port types.
- Introduces an approach to product families for modular products that allows both homogenous and heterogeneous module configurations to be certified.
- Includes requirements focused on power supplies, energy efficiency features (including EEE and remote port administration), and standard performance data measurement and output.

The Version 1.0 Specification requires all products test and submit data using the U.S. Department of Energy's ENERGY STAR Large Network Equipment Test Method (Rev. December 2015).

This final specification includes a modest change in scope regarding products with numerous highspeed ports and finalizes the revisions to the test method all discussed during the November 16 webinar.

Next Steps:

The effective date for this Version 1.0 Large Network Equipment specification is **March 1, 2016**.

Manufacturers new to the ENERGY STAR program may submit a Partnership Agreement to join@energystar.gov to initiate the application process for the Large Network Equipment program. Existing partners need only send an email expressing their intention to certify products to this new specification to join@energystar.gov. Existing partners may also submit a new participant form adding LNE if doing so is helpful for their recording keeping. For information about this process, please visit www.energystar.gov/join.

EPA is also currently accepting applications from certification bodies (CBs) for recognition. Third-party laboratories interested in obtaining EPA recognition for the ENERGY STAR Large Network Equipment

program are encouraged to begin the accreditation process with their accreditation body, if they have not already done so. First-party un-accredited labs can conduct testing if they participate in a witnessed or supervised testing program run by an EPA recognized CB. For more information, please visit www.energystar.gov/testingandverification.

Third-party Certification:

As a reminder, all new products must be certified by an EPA recognized CB before being labeled and marketed as ENERGY STAR certified. Upon satisfactory completion of all certification requirements, a CB will notify the partner that the product is ENERGY STAR certified and will submit certified product data to EPA for listing on the ENERGY STAR website. For more information on the Third-party Certification program, please visit www.energystar.gov/3rdPartyCert.

Please note that ENERGY STAR partnership as a manufacturer is limited to organizations that own and/or license a brand name under which they sell eligible products in the United States and/or Canada. Partnership is not available to original equipment manufacturers (OEMs) that do not sell directly to consumers or end users. OEMs may certify products on behalf of the ENERGY STAR brand owners/licensees; however the brand owner must be the ENERGY STAR partner associated directly with the certified product models, since only partners are authorized to use the ENERGY STAR certification mark.

EPA thanks stakeholders who provided feedback during the specification development process and looks forward to working with you as you certify and market your certified Large Network Equipment products. Please direct any questions to Katharine Kaplan, EPA, at Kaplan.Katharine@epa.gov, or 202-343-9120 or John Clinger, ICF International, at John.Clinger@icfi.com, or 215-967-9407. Questions on the test method may be directed to Bryan Berringer, DOE, at bryan.berringer@ee.doe.gov or 202-586-0371.

Thank you for your continued support of ENERGY STAR.

Sincerely,



Katharine Kaplan
U.S. Environmental Protection Agency
Manager, ENERGY STAR Product Development and Program Admin

Enclosures:

ENERGY STAR Large Network Equipment Program Requirements including Version 1.0 Specification