

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



OFFICE OF  
AIR AND RADIATION

July 1, 2013

Dear ENERGY STAR® Small Network Equipment Stakeholder or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to release the finalized ENERGY STAR Small Network Equipment (SNE) Test Method.

The final document incorporates input received from stakeholders in response to the ENERGY STAR Final Draft SNE Test Method. Changes between the Final Draft and Final Test Method documents are noted below:

- Applicability – Section 2:
  - Modified Table 1 to separate Optical Network Termination Devices (ONTs) from modems.
- Test Conduct – Section 5
  - Clarified that commercially available traffic generators are not required to generate traffic for the purposes of this ENERGY STAR certification. Stakeholders can use either hardware or software to generate traffic as long as the traffic used for testing meets the requirements in Section 5.C.
  - Provided a link to an example traffic generating software script developed by Lawrence Berkeley National Laboratory. The script is written in Python, is open source, and may be used to generate traffic for ENERGY STAR SNE testing.
    - Link: [http://endusefiles.lbl.gov/public/energystar\\_sne/sne\\_traffic\\_gen.tar.gz](http://endusefiles.lbl.gov/public/energystar_sne/sne_traffic_gen.tar.gz). The link is currently inactive, but will become active in two weeks' time, once the licensing process is completed.
  - Specified that IMIX based frame sizes are not required for high data rate traffic testing.
- UUT Configuration – Section 6
  - Removed the guidance on configuring low powered dc products since Power over Ethernet (PoE) capable products will no longer be covered in the scope of Version 1.0.
- Test Procedures for all Products – Section 7:
  - Added defined ranges of variability in the moving averages of the 1kb/s and high data rates used during testing to reduce testing burden.

Thank you for your continued support of the ENERGY STAR program. Please feel free to contact me at (202) 343-9024 or [Song.Una@epa.gov](mailto:Song.Una@epa.gov); or John Clinger, ICF International, at (215) 967-9407 or [John.Clinger@icfi.com](mailto:John.Clinger@icfi.com) with any questions or comments.

Sincerely,

A handwritten signature in cursive script, appearing to read "Una Song".

Una Song  
EPA Product Manager  
ENERGY STAR for Office Equipment and Consumer Electronics