

Case Study, Lessons Learned - UL



Involvement in ENERGY STAR® Program

- UL was one of the first organizations to earn recognition by the EPA as an approved certification body.
- EPA recognized CB for 44 product categories
- Global laboratory options for testing, with several EPA-recognized labs around the world
- Testing Laboratories around the world that can perform testing on over 35 ENERGY STAR® product categories



Involvement in the Data Center Storage Program

- EPA Recognized Certification Body
- One EPA Recognized Lab

Certification Services Offered

- SMTL/WMTL
- 3rd Party Lab Data Review
- Testing and Certification through our recognized lab



Overview of Steps Required for Certification

1. Partner – apply for partnership through the ENERGY STAR manufacturer Partnership Agreement
2. Partner – Apply for Product to be Tested (UL Lab, WMTL/SMTL, 3rd Party Lab)
3. UL – Review test data
4. UL – Issue Results/Certification and report data to EPA
5. Partner – Begin to label product according to the labeling guidelines



Issues

1. Assembling family models in a way that satisfies the EPA's submission requirements.
 - a. Consistency in reporting all family models under the same line on the Qualified Product List rather than a new line for each
 - b. Issues with text entry length restrictions

2. Large amount of data required to be reported to EPA.
 - a. The data to be submitted to EPA is entered into a form by the manufacturer and test lab then reviewed by UL to help avoid errors
 - b. A reduction of entry points may also assist in reducing errors.



Notes

- ENERGY STAR has some requirements on top of the Emerald Specification
- Power meter calibration is required
- Power supply must meet 80 Plus silver requirements
- Remember that ENERGY STAR has set requirements for:
 - Ambient Temperature
 - Relative Humidity
 - Input Voltage Tolerance
 - Frequency Tolerance
 - Total harmonic distortion



Contact Information

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THANK YOU.

