



U.S. DEPARTMENT OF
ENERGY

Round Robin Testing for Ceiling Fans

Application Process
Frequently Asked Questions

July 2018

**Building Technologies Office
Energy Efficiency and Renewable Energy
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I. Introduction

The U.S. Department of Energy (DOE), with the support of the American Lighting Association (ALA), announces the initiation of a round robin test program for ceiling fans. The objective of the program is to compare test results from a group of participating test labs on a controlled sample of ceiling fan units to assess repeatability and reproducibility. The round robin testing will document the variability of test results, both within a single test lab (repeatability) and from test lab to test lab (reproducibility), and seek to identify the potential contributors to variability. The results will form the basis of recommended corrective actions for facilities and may highlight areas of clarification of the DOE test procedure.

II. What labs can participate in testing?

Any labs that are equipped to run the DOE test procedure for ceiling fans, including:

- US test labs
- International test labs
- Independent test labs
- Manufacturer-owned test labs.

III. How do I get my lab involved?

If you would like to participate in the program, please email Lucy deButts at lucy.debutts@ee.doe.gov, stating your interest and returning a completed lab application for review and consideration by July 31, 2018.

IV. What will the lab application package include?

Please fill out the lab application spreadsheets, which includes:

- Availability between mid-September 2018 and end of February 2019
- Instrumentation List with calibration record/reports
- Lab Description (drawings, photos, specifications, qualified staff matrix)
- Example data set (ensure data recording intervals, tolerance checks, etc)

V. What will happen with my lab application package?

DOE Round Robin Test Program administrators will review the application packages to evaluate eligibility for participation. Program administrators may contact applying labs for additional details, as necessary.

VI. How many labs will be selected to participate?

The DOE Round Robin Test Program administrators will select a minimum of four labs for participation that will include a mix of U.S. and International labs, as well as, independent and manufacturer-owned labs. There is no predetermined maximum number of labs that can participate.

VII. When will selections be made?

Selections will be made and all applying labs notified within 30 days of the close of the application deadline.

VIII. When will testing take place?

DOE will send out a schedule once it has the participating labs selected.

IX. How many tests should a participating lab expect to run?

Testing will include two units on four unique models with each configuration specified. Each lab must run two valid sets of tests on each unit per configuration.

X. Who pays for the testing?

Participating labs will conduct testing at their own expense. DOE will coordinate and pay for shipping.