

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



OFFICE OF
AIR AND RADIATION

March 18, 2019

Dear ENERGY STAR® Room Air Cleaner Partner or Other Interested Stakeholder,

The U.S. Environmental Protection Agency (EPA) welcomes your input on the [ENERGY STAR Room Air Cleaners Version 2.0 Draft 1 Specification](#). This draft includes proposals in response to stakeholder feedback on the discussion guide that was released in October 2018. EPA will host a webinar to answer any questions on this Draft 1 Specification on **Thursday, April 4, 2019 from 1 – 3 PM Eastern Time**. Please register [here](#) if you plan on attending.

With this proposed revision, EPA seeks to recognize advances in efficiency for room air cleaner products. As such, this Draft 1 specification offers proposals to increase the stringency of the efficiency criteria. EPA highlights key changes in the Draft 1 below and provides rationale for these proposed changes in note boxes throughout the specification. Additionally, EPA responds to comments received on a number of other topics addressed in the discussion guide, including noise and filter requirements and treatment of products with sensors, as well as testing protocols in the accompanying [comment response document](#). A [data package](#) that provides EPA's dataset, proposed levels, and savings associated with this Draft 1 accompanies this mailing as well.

- **Definitions** – EPA has updated several definitions to align with those in the ANSI/AHAM AC-1-2015 standard.
- **On Mode Requirements** – EPA understands that smoke pollutants can present the greatest health risk, that smoke is used to determine the appropriate room size for a product, and that smoke has the smallest particle of the three pollutants tested to ANSI/AHAM AC-1-2015. Due to these considerations and stakeholder feedback, EPA believes that smoke is an appropriate pollutant to use as the basis for an efficiency evaluation of room air cleaners and has set Draft 1 criteria based on smoke CADR/W. Also, after analyzing the relationship between CADR and CADR/W, EPA believes it is appropriate to set efficiency criteria based on a product's size, or CADR. In setting these criteria, EPA targeted the top 25% of models available on the market in each size bin.
- **Partial On Mode Requirements** – EPA updated the Draft 1 Specification to reference Partial On Mode (replacing Standby Mode) to align with IEC 62542. Partial On Mode now refers to a lower power mode in which a product can be providing a number of secondary functions, including network connectivity (if available and enabled by default). EPA recognizes the increasing prevalence of network capability among room air cleaners and proposes a network connected allowance, while also lowering the Maximum Partial On Mode power requirement to 1 Watt based on available data.
- **Test Method** – EPA updated test method references to reflect the most recent versions.

Stakeholder engagement is a vital aspect to the success of the ENERGY STAR program, and EPA looks forward to working with stakeholders to develop the Version 2.0 specification. Stakeholders are requested to provide comments on the Version 2.0 Draft 1 Specification **no later than April 17**,

2019. Please send comments via e-mail to roomaircleaners@energystar.gov. All comments received will be posted to the [ENERGY STAR Room Air Cleaners Version 2.0 Specification Development webpage](#), unless the submitter specifically requests that his or her comments remain confidential.

Please contact me at Burchard.Robert@epa.gov or (202) 343-9126, or Katharine Kaplan at Kaplan.Katharine@epa.gov or (202) 343-9120, or Emmy Feldman, ICF, at Emmy.Feldman@icf.com or (202) 862-1145, with any questions or concerns about the specification. For questions about the test method, please contact Stephanie Johnson, DOE, at Stephanie.Johnson@ee.doe.gov or (202) 287-1943. Thank you for your continued support of the ENERGY STAR program.

Best Regards,

A handwritten signature in blue ink that reads "Robert Burchard". The signature is written in a cursive, slightly slanted style.

Robert Burchard
ENERGY STAR for Room Air Cleaners

Enclosures:

[ENERGY STAR Room Air Cleaners Version 2.0 Draft 1 Specification](#)
[ENERGY STAR Room Air Cleaners Version 2.0 Discussion Guide Comment Response Document](#)
[ENERGY STAR Room Air Cleaners Version 2.0 Draft 1 Specification Data Package](#)