



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

OFFICE OF
AIR AND RADIATION

December 2, 2016

Dear ENERGY STAR® Connected Thermostat (CT) Provider or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to share the Final Draft Version 1.0 ENERGY STAR Specification for Connected Thermostat (CT) Products. The Agency appreciates the considerable effort stakeholders have put into helping us develop this specification. EPA plans to finalize this Version 1.0 CT Specification in December 2016.

The Final Draft CT Specification reflects comments received on Draft 3 and on subsequent stakeholder discussions. Stakeholders were generally supportive of the specification and of the field savings requirements proposed in Draft 3. Modifications to the Final Draft include:

Static temperature accuracy: EPA has made several adjustments to the static temperature accuracy requirements and test in response to stakeholders' concerns that the difference between the test environment and a typical room in which a CT might be used would result in products that measure accurately in a home failing the requirement. EPA anticipates further improvements of the test in a later revision, when it has been used widely.

Product families: EPA has modified the specification to make it clearer what kind of variations are allowable within a product family, while remaining conscious that EPA and our CBs will need to develop standard practices based on situations we are actually faced with as CT service providers certify products.

Demand response: EPA has made more specific recommendations for information to include in the DR summary.

In addition, EPA received considerable comment about labeling and marketing ENERGY STAR CTs. EPA supports the adoption of open device platforms intended to support multiple services but must guard against having the label associated with devices not connected to a qualifying service. EPA also recognizes that for each CT device currently available in the retail market, there is expected to be a default service branded by the CT device manufacturer or a co-branded device and default service. Further, installers are instructed to connect to this service to enable energy savings, remote access and consumer amenities. Allowing retail package labeling for CT devices that are part of an ENERGY STAR certified CT product (i.e. for CT devices associated with a qualified default CT service) will raise the profile of ENERGY STAR CTs in the retail environment. EPA anticipates that these requirements may need to be updated as the market evolves over the coming years.

EPA addresses these and additional stakeholder comments in note boxes found throughout the Final Draft Specification for CT Products.

Submitting Comments

Any final written comments may be sent to ConnectedThermostats@energystar.gov by **December 16, 2016**. All comments will be posted to the ENERGY STAR Product Development website unless the submitter requests otherwise.

To track EPA's progress in developing the ENERGY STAR CT specification and the CT Field Savings Method, visit the Product Development website at www.energystar.gov/newspecs and click on "Connected Thermostats".

Please direct any specific questions to Abigail Daken at EPA, daken.abigail@epa.gov or 202-343-9375, or Doug Frazee at ICF, douglas.frazee@icf.com or 443-333-9267. For questions about shared marketing of ENERGY STAR CTs once the specification is final, please contact Dan Cronin at EPA, cronin.daniel@epa.gov or 202-343-9487. Again, thank you for accompanying us on the journey thus far, and for taking the time to review this draft specification. I look forward to continuing to working with you.

Sincerely,



Abigail Daken
U.S. Environmental Protection Agency
ENERGY STAR HVAC Program