

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



OFFICE OF AIR
AND RADIATION

December 27, 2016

Dear Electric Vehicle Supply Equipment Brand Owner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to provide you with the Final ENERGY STAR Version 1.0 Program Requirements for Electric Vehicle Supply Equipment (EVSE). On behalf of EPA, I would like to thank the many stakeholders who have invested time and effort in this specification development process. The Version 1.0 specification is effective immediately. This letter highlights key features of the new specification and outlines the process for certifying products to the new requirements.

Overview of Final Criteria:

The Version 1.0 specification establishes power consumption requirements for Level 1, Level 2 and dual Level 1/Level 2 EVSE in No Vehicle, Partial On, and Idle Modes. The specification provides allowances for network connectivity and displays to capture top performing EVSE with added features and functionality. The specification also establishes basic criteria for certified EVSE capable of supporting Demand Response (DR) that are seeking to be listed as 'connected' on the ENERGY STAR product finder.

Under these ENERGY STAR efficiency requirements, savings from ENERGY STAR certified EVSE will grow to more than \$17 million each year and more than 280 million pounds of annual greenhouse gas emissions would be prevented, equivalent to the emissions from more than 26,000 vehicles.

EPA received a modest number of comments in response to the final draft. Commenters were largely supportive of the draft, offering clarifying comments as well as suggestions for future versions of this specification. As such, the Version 1.0 specification is unchanged from the Final Draft except for a few slight modifications. EPA has:

- Modified the way the NRTL Listing requirement is written, based on stakeholder input with more appropriate language.
- Required that a description of DR support be included in the connected functionality capabilities summary.
- Clarified that for products capable of network connection with multiple protocols (e.g., Wi-Fi and Cellular), only the allowance for the protocol enabled during testing shall be claimed.
- Noted topics for evaluation for future versions of this specification.

A summary of comments received on the final draft and Agency responses is also included. The Version 1.0 specification was developed through extensive engagement with stakeholders, including several draft specifications and meetings. Stakeholder comments, draft versions of the specification, and related materials are available on the [ENERGY STAR Electric Vehicle Supply Equipment Product Development webpage](#).

Next Steps:

The effective date for the Version 1.0 EVSE specification is December 27, 2016. Manufacturers new to the ENERGY STAR program may submit a Partnership Agreement to join@energystar.gov to initiate the application process for the EVSE program. Existing partners need only send an email expressing their intention to certify products to this new specification to join@energystar.gov. Existing partners may also submit a new participant form adding EVSE if doing so is helpful for their record keeping. For information about this process, please visit www.energystar.gov/join.

Certification bodies (CBs) may continue to submit applications for EPA recognition. Third-party laboratories interested in obtaining EPA recognition for the ENERGY STAR EVSE program are encouraged to begin the accreditation process with their accreditation body, if they have not already done so. First-party, un-accredited labs can conduct testing if they participate in a witnessed or supervised testing program run by an EPA-recognized CB. For more information, please visit www.energystar.gov/3rdPartyCert. EPA will host a mandatory webinar for CBs seeking recognition for this category on January 12, 2017 at 2:00 PM - 3:00 PM Eastern Time.

Third-Party Certification:

As a reminder, all new products must be certified by an EPA-recognized CB before being labeled and marketed as ENERGY STAR certified. Upon satisfactory completion of all certification requirements, a CB will notify the partner that the product is ENERGY STAR certified and will submit certified product data to EPA for listing on the ENERGY STAR website. For more information on the Third-Party Certification program, please visit www.energystar.gov/3rdPartyCert.

Please note that ENERGY STAR partnership as a manufacturer is limited to organizations that own and/or license a brand name under which they sell eligible products in the United States and/or Canada. Partnership is not available to original equipment manufacturers (OEMs) that do not sell directly to consumers or end-users. OEMs may certify products on behalf of the ENERGY STAR brand owners/licensees; however, the brand owner must be the ENERGY STAR partner associated directly with the certified product models, since only partners are authorized to use the ENERGY STAR certification mark.

EPA thanks stakeholders who provided feedback during the specification development process and looks forward to working with you as you certify and market your energy-efficient EVSE. If you have any questions or concerns about the specification or partnership process, please feel free to contact me at (202) 343-9845 or Radulovic.Verena@epa.gov or Matt Malinowski at (202) 862- 2693 or Matt.Malinowski@icf.com. If you have any questions about marketing ENERGY STAR EVSE, please contact Peter Banwell at (202) 343-9408 or Banwell.Peter@epa.gov.

Best Regards,



Verena Radulovic, EPA Product Manager
ENERGY STAR for Consumer Electronics

Enclosures:

Final Version 1.0 ENERGY STAR Program Requirements for Electric Vehicle Supply Equipment
Final Masked Dataset
Final Draft Comment Response Document