

Topic	Subtopic	Stakeholder Comment	EPA Response
Connected criteria	Demand Response Communication Protocols	A stakeholder recommended that EPA explicitly define different versions of Demand Response protocols in the specification via a footnote or a comment	EPA appreciates these stakeholder comments. EPA updated the Demand Response requirements section to explicitly mention that either OpenADR 2.0b and/ or CTA 2045-A or CTA 2045-B can be used to meet the specification requirements. EPA believes that this will eliminate any potential confusion among stakeholders regarding various demand response protocols supported by the specification.
Connected criteria	Demand Response Requests and Responses	A stakeholder mentioned that in line with other ENERGY STAR specifications with connected functionality, the current ENERGY STAR pool pump connected criteria require a suite of DR commands, such that if an end user enrolls into a demand response program, the user's equipment could respond to any of those commands. The stakeholder also anticipates several edge cases that would require different operating speeds or may preclude a limited number of pool pump owners from responding to specific event types altogether. For instance, some specific installations may be negatively impacted by emergency curtailment, and therefore should disable that DR function, but may be able to participate in conventional load shift (shed/load up) behavior.	EPA appreciates these stakeholder comments. EPA has added a requirement that connected pool pumps provide functionality that will automatically override demand response events under conditions where participation would significantly impact pool sanitation, heating or other essential pool functions with the exception of a grid emergency. EPA also recommends that the product provide a means for installers to input information about the operating parameters of third party pool equipment or identify scenarios in which a demand response event should be overridden.
Certification Criteria	Replacement Motors	A stakeholder recommended that EPA consider establishing an energy efficiency level for pool pump replacement motors, arguing that this would help address a market imbalance, protect the user experience, encourage utility incentive programs activity, and provide a signal to manufacturers to design even more efficient products.	EPA appreciates these stakeholder comments and looks forward to continuing to address technical concerns, with input from stakeholders. EPA is actively monitoring the pool pump replacement motors test procedure and standards and will consider adding an energy efficiency level in future revisions of the specification.