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**From:** Grant Hatamosa [mailto:grant.hatamosa@zenecosystems.com]  
**Sent:** Thursday, June 13, 2019 5:00 AM  
**To:** SmartHomeSystems <SmartHomeSystems@icf.com>  
**Subject:** Comments on ENERGY STAR SHEMS Version 1.0 Draft 2 Specification

Hi,

Thank you for giving us the opportunity to provide feedback on draft 2 of the SHEM specification. Please find below my comments:

Relating to the document "[ENERGY STAR Program Requirements Product Specification for Smart Home Energy Management Systems](#)"

Line 78-79: is there a specific unit of measure that the Smart Power Strip must support when reporting energy use data? I propose it must be in watts and cannot be just the current draw as it requires either the home owner to know the voltage to know what the energy use is.

Line 198-201: can we get some clarification on the event when there is no C-wire available from the HVAC and thus the thermostat is not anymore considered a wired thermostat but instead a battery powered thermostat as well. Does this mean that a C-wire kit must always be provided? I propose that if there is no device that requires constant power then a minimum battery life must be met.

Line 295 & 297: In the event that a manufacturer is developing a complete SHEMS package including a smart thermostat and a smart lighting does that mean that those devices must first be certified for Energy star individually before the SHEMS package is certified? Why can't the complete package be certified as a whole and once certification is completed then those individual smart device be given Energy Star certification as well? In a nutshell, can you consider a single certification process that allows a package and individual devices to be certified for both being a package and an individual device. The advantage of this is to allow for such a package to be release to the market sooner rather than later. This also allows new players wanting to operate in this market to come is sooner rather than for the incumbents to use the certification barrier to their advantage.

Line 343: I propose to also add Smart IR blaster which allows control of split-system air conditioning units (see image below for a product example)

image.png



Relating to the document "[Method to Determine Field Performance](#)"

The population for analysis shall include at least 50 installations, at least 30 of which meet 55 requirement

Grant >>> Is there a requirement that the 50 installations must be on different geographic location? For example, can the 50 installation be in the same multi-dwelling property (i.e. condominium, planned community, etc). I propose that they must also be a minimum requirement of the number of installation that are not in the same geographic location.

Regards,

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