**From:** Karen Jaskolka
**To:** ClimateControls;
**Subject:** Additional Feedback on Climate Control Specification
**Date:** Friday, April 30, 2010 12:04:50 PM
**Attachments:** Feedback on Climate Control Specification.msg

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In addition to the specific email we sent supporting connectivity in the thermostat (attached), we had some other minor pieces of feedback on the **Energy Star Program Requirements for Residential Climate Controls** specification:
In general we are in support of the specification and the requirements to have smarter thermostats that are temperature & humidity aware, enable communication with energy management systems and other systems (for support of DR, etc) and that climate control devices should pass basic usability tests.

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| 1 | Open Standard Protocol | While we support having an open protocol or standard for communication, we would like to see the IP help by a SDO and be truly free for adopters. The specification mentions a "nominal fee" that could be left to interpretation and not really be nominal. |
| 2 | HAN | It was noted in the feedback responses that HAN would not be mentioned specifically, but there are still references through the current draft specification |
| 3 | Demand Response Support | The support of DR needs clarification. It should be initiated by a pricing signal and the consumer (home owner) decides to opt-in or not. The DR description seems to give the utility control of these events – rather than making it about pricing signals. |
| 4 | Price indicator lights | Having a visual cue to the consumer of the current rate being applied to their energy consumption is interesting, but the LED indicator as prescribed (green, yellow, red) will ***not*** be usable for color blind individuals if a single light is used |
| 5 | Usability | Who will determine the prescriptive usability requirements and will success or failure be determined, verified and reported? Who owns the sign-off on these requirements |
| 6 | Backlight Power | .5W is not enough power |
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Thanks – please let me know if you need any clarification on our feedback.

Regards,
*Karen Jaskolka*
Principal Group Program Manager
Microsoft Hohm
http://www.microsoft-hohm.com/