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To: STBs@energystar.gov
Subject: Comments on Final Draft Version 5.0 Specification

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Hello Katharine,

Thank-you for the opportunity to review the Final Draft. Technicolor has reviewed the specification and has the following comments:

Specification:

1. Section 3.2.3 - The NEW normative requirement to add a 12 hour APD timeout forces a new software deployment for all Energy Star compliant devices that require the "APD Enabled by Default" value for TEC calculation to meet the Energy Star standard. Given that this new requirement was added only 8 months before the effective date of this standard, it is highly unlikely that the software can be developed, tested, and deployed before the January 1, 2017 deadline. The selection of 12 hours as the timeout does not necessarily meet many commercial use cases since the business hours of the establishment could be significantly longer than 12 hours. Technicolor recommends this requirement be removed.
2. Section 3.3.2 - Removal of the high-power MIMO allowance is inappropriate given the difference in power consumption between servers and clients. It is recommended that the allowances provided in the previous draft (based on US VA for SNE) be re-inserted.
3. Section 3.3.2 - The bundling of HEVP and UHD allowances is not recommended. HEVP has a consumer benefit by reducing bandwidth usage by video programming. This reduction in bandwidth usage via HEVP can be used to provide more channels, higher resolution channels, or provide more bandwidth for the broadband internet access. There are many devices being developed and deployed that will provide HEVP without UHD support for exactly these purposes. The use of HEVP for connecting Clients to Servers will reduce the WiFi bandwidth usage within the home. Given the proliferation of devices and networks in neighborhoods, this bandwidth reduction will improve the consumer experience.
4. Section 3.3.2 - The DOCSIS 3.x allowance does not account for the differences between DOCSIS 3.0 and DOCSIS 3.1. Will this be added in a revision to the specification when further data on DOCSIS 3.1 is available?

Test Method:

1. Section 5.1 - Changing the test method related to the automatic prompting during setup only 8 months before the effective date does not provide time for software to be deployed before impact of the note in line 123. Is there data on how often this modification to the test method would be applied based on presently deployed Energy Star Certified Set-Top Boxes?

Please feel free to contact me with any questions.

Regards,

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Technical Leader