



Dear Rebecca

Having reviewed the preliminary Draft Version 4.0, TCO Development offers the following comments:

TCO Development's ambition is to harmonize our power consumption requirements as far as possible with the Energy Star requirements. Since we are launching our own computer requirements for both Notebooks and Desktops – TCO'05 - already this summer, we will not be able to implement all of the new ideas in the draft into the first versions of the TCO'05 requirements. Our ambition is to follow the work within EPA and the Energy Star stakeholder group to contribute to a successful standard and if possible include the new Energy Star criteria in TCO'05 at a later stage.

Our experience in computer certification is more limited compared to monitors and we are at the moment unable to provide you with statistics from measurements and tests as we have done in earlier projects.

Comments:

- TCO D supports the idea of measuring power consumption in the new 'Idle' mode.
We would like to stress the necessity to develop a clear definition as well as a test method and a load case that we all can agree on.
- We suggest that the definition 'Stand by Mode' is changed to 'Off mode / Stand by mode', for clarity.
- We support your ambition to require minimum efficiency for power supplies.
- We support your ambition to require that the computer maintains its network connectivity during Sleep Mode.
- We are wondering about the background to the requirement 0.5 W for Notebooks in Stand by Mode. The power consumption of the power supply itself is hard to get down to that level. EU among others are fighting to get the no load consumptions for power supplies down to 1.0 W.
- To us it seems like that for Notebook computers power consumption measurements in any mode might be difficult. How can you know if the Notebook computer is charging its batteries or not during the measurements?

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