

Deutsche Bank Reply - Preliminary Draft Version 1.0 Tier 2
December, 2009

Environmental Protection Agency
ENERGY STAR Program

Our comments on the ENERGY STAR® Program Requirements for Computer Servers, Preliminary Draft Version 1.0 Tier 2:

Blade servers

Blade servers consistently provide the very highest power efficiency values in the market place. We therefore very much welcome the inclusion of blade servers under the full Tier 2 development schedule.

>4 socket servers

While we do have significant numbers of such servers, and continue to source them, the majority of our server assets are in the 2 and 4 socket range. We do however think that including >4 socket servers would be useful (up to 8 sockets), especially if these can be included without delaying the release of the tier 2 specification.

Power supplies

Ideally, we would like to see a very high minimum efficiency requirement for ENERGY STAR of over 90% and power factors of in the high 90's under real load conditions.

Load conditions

While we would like ideally to see good efficiency at all loads, we feel that it is realistic to target maximum efficiency at around 50 to 70% load since this would be a good target maximum server utilisation.

Idle power

As mentioned in our comments on the server tier 1 specification, we do not agree that measuring efficiency at idle is a useful measure of server power efficiency.

Power management

We welcome the inclusion of power management tools as part of the specification.

Active mode efficiency rating tool

We consider it an essential step to a really useful ENERGY STAR rating for servers to include a "performance per Watt" measurement of some kind.

Thank you for continuing to keep us involved in ENERGY STAR specification development.

Mit freundlichen Grüßen / Best regards



Marc Banks

Global Lead Eco-Efficient IT | Architecture & Engineering

Deutsche Bank AG

Global Technology Information Enterprise Services

Große Gallusstraße 10-14, 60311 Frankfurt am Main, Germany

Tel. +49 69 91035091

Email marc.banks@db.com

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