

Since October 2013, computers sold or hired in New Zealand must, by law, comply with [minimum energy performance standards \(MEPS\)](#) requirements. This document outlines the requirements and how to meet them if you import or manufacture computers, notebooks, or small scale servers in New Zealand.

### **Why have MEPS for computers?**

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Minimum energy performance standards (MEPS) improve the efficiency of computers, saving customers on running costs and reducing greenhouse gas emissions over the life of the product.

### **Which computers are included?**

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MEPS covers;

- desktop computers,
- notebooks, and
- small scale servers.

### **What do I need to do to comply with the law?**

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**Importers and manufacturers of computers, are required to:**

- [Step-1](#) Ensure each computer model has been tested to **AS/NZS 5813.1:2012** and ensure each computer model meets or exceed the minimum energy performance levels specified in **AS/NZS 5813.2:2012**.
- [Step-2](#) Energy Rating Labelling: **N/A**
- [Step-3](#) Register each computer model through the energy rating website.
- [Step-4](#) Provide EECA with product sales, import and export data each year.

**Retailers are required to** check their products are registered on the [energy rating website](#).

**See the questions and answers below for more information**

## Which computers are excluded?

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MEPS does ***not*** apply to;

- Personal digital assistants (PDAs),
- Smartphones and palmtop computers,
- Games consoles,
- Blade, slate or thin client computers, or
- Workstations.

## Which standards apply?

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**AS/NZS 5813.2:2012:** Information technology equipment—Energy performance of computers—Part 2: Minimum energy performance standards (MEPS) for computers.

**AS/NZS 5813.1:2012:** Information technology equipment—Energy performance of computers—Part 1: Methods of measurement of energy performance In the case of “deemed to comply” computers (refer clause 4.4 of 5813.2:2012).

**AS/NZS 5814.1:2012:** Information technology equipment—Energy performance of internal power supplies—Part 1: Methods of measurement of energy performance.

Standards are available for purchase from [www.standards.co.nz](http://www.standards.co.nz) and for inspection at [EECA's head office](#).

## How are energy levels calculated for computers?

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The typical energy consumption (TEC) of each computer model, expressed in kWh per year, is calculated using measured power for each operational mode scaled by an annual duty cycle and assessed against the MEPS limits. Small scale servers measured standby power is assessed against their specific MEPS limits.

## What are deemed-to-comply computers?

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A deemed-to-comply computer is a single computer model, with an annual manufacturing quantity of 200 or less units, which may not need to meet the typical energy consumption (TEC) requirements if it uses a high efficiency power supply. Deemed-to-comply computers must however still be registered on the energy rating website.

For deemed-to-comply computers using an internal power supply (IPS), the IPS must meet the minimum requirements below when tested to **AS/NZS 5814.1:2012**.

- 85% efficiency at 20% rated power;
- 88% efficiency at 50% rated power;
- 85% efficiency and a minimum power factor of 0.9 at 100% rated power.

For deemed-to-comply computers using an external power supply (EPS), the EPS must be compliant with performance mark V as per the **AS/NZS 4665 series** and be marked as such.

## **How do I register a computer on the energy rating website?**

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If the computer you are about to register is already registered you are not required to register it. To check, search for the model at:

[reg.energyrating.gov.au/comparator/product\\_types](http://reg.energyrating.gov.au/comparator/product_types).

If it is not already registered download our quick start guide at:

[www.eeca.govt.nz/resource/online-product-registration-guide](http://www.eeca.govt.nz/resource/online-product-registration-guide).

If you haven't used the [energyrating.gov.au](http://energyrating.gov.au) website before, follow these instructions:

**Step 1** Open the registration page: [reg.energyrating.gov.au/accounts/register](http://reg.energyrating.gov.au/accounts/register).

**Step 2** Create an account and log in.

**Step 3** Create an applicant, add contact people etc. as required.

**Step 4** Create a new product registration (you will need a test report).

**Step 5** Select 'Computer (CO)'.

**Step 6** Follow the steps until all fields are complete.

**Step 7** Once submitted you will be e-mailed a Registration ID. Record this as you will need it to provide sales data each year.

Note: A range of computer models, manufactured in multiple configurations or styles, may be registered as a product "family" if the family definition (below) is met.

## **What is a family of models?**

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A group of computers typically sharing one chassis/motherboard combination that contains many possible hardware configurations, may be registered as a product "family" and identified & tested based on a single representative model if;

- all models are identical in every respect except for housing, colour or brand name, or
- if all models are not identical, they may be treated as a family of models represented by the highest power configuration available in the family.

Note: If families encompass multiple categories (as explained in **AS/NZS 5813.2:2012 Clause 2.1**) they must be registered separately for each applicable category.

## **What information do I need to provide to EECA each year and how do I do it?**

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Importers and manufacturers are required, by law, to provide statistical information on sales, import and export data annually to EECA.

Data needs to be submitted every year by 1 August, for the period 1 April to 31 March. For example, data from 1 April 2013 to 31 March 2014 must be received by 1 August 2014. The information is submitted through the EECA website where you need to:

**Step 1** Set up a user account at [www.eeca.govt.nz/webform/request-user-account](http://www.eeca.govt.nz/webform/request-user-account).

**Step 2** Once approved, log in at [www.eeca.govt.nz/user/register/supplier/login](http://www.eeca.govt.nz/user/register/supplier/login).

**Step 3** When logged in follow the links and instructions for the EECA sales data return tool.

**Step 4** Enter your product data - you will need your Registration ID number - the following information is required for each registered model:

- Sales in New Zealand between 1 April and 31 March.
- Imports into New Zealand between 1 April and 31 March.
- Exports from New Zealand between 1 April and 31 March.

### **Where do I get additional information?**

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More information about regulated products and how to meet your legal obligations can be found at [www.eeca.govt.nz/product-standards](http://www.eeca.govt.nz/product-standards).

See the [running costs calculator](#) to find out how choosing a higher star rating can reduce the running costs of products.

There is also information on the energy rating website at [www.energyrating.gov.au](http://www.energyrating.gov.au).

If you have any questions, please email us at [compliance@eeca.govt.nz](mailto:compliance@eeca.govt.nz), or phone EECA on **0800 358 676**.