



## E: IT Equipment

IT equipment, as dealt with here, encompasses a range of different product groups including: desktop PCs and laptops (notebooks), monitors, printers, photocopying machines, multifunctional devices (MFDs<sup>[1]</sup>), scanners and fax machines.

### 1 Key environmental impacts

Impact	Approach
The consumption of electricity and resulting CO <sub>2</sub> emissions	Purchase energy efficient models

Other impacts include damage to human health and the environment caused by certain hazardous substances included, generation of large quantities of waste, emissions of electromagnetic radiation and noise.

Approaches to reducing such impacts include setting limits for substances, and emissions, encouraging a prolonged lifetime, ensuring take-back and recycling at the end of the useful life, limiting packaging, and ensuring effective training. More innovative approaches include considering lean- (or thin-) client systems

### 2 Procura<sup>+</sup> Key Criteria – IT equipment

#### IT equipment

The Procura<sup>+</sup> Key Criteria for IT product purchases focus on:

- **Energy performance:** The newly updated Energy Star standards for computers and imaging equipment (covering printers, photocopiers, MFDs, scanners), (both included in the CD-ROM) can currently be met by 25-35% of products on the market. Most product-labelling bodies already (or will soon) unify energy performance requirements around these standards. As such they provide a highly straightforward, ambitious, and also market friendly set of requirements, which can be used as minimum standards.



## Direct purchase of IT products

**Subject matter:** *Purchase of environmentally friendly PCs (or printers, MFDs etc. as appropriate)*

**Specifications:** *All products offered must meet the latest Energy Star standards for energy performance, available at [www.energystar.gov](http://www.energystar.gov), or equivalent.*

*The Energy Star label will be accepted as proof of compliance, as will reliable technical documentation provided by the supplier that the criteria are met.*

### Implementation notes:

-  **Specifying standards:** There is no requirement to specify exact limits in the tender documents – referring to product label standards is fine as long as the ecolabel meets certain conditions (see Chapter III). The standards themselves are relatively complex and technical (especially for imaging equipment), but have been attached in the CD-ROM for information.
-  **Verification:** Both the specifications and the award criteria have been developed in line with product labelling standards. Most products offered will carry the label however other forms of proof must be accepted.








## 3 Further ideas

- Limit the use of mercury in monitor backlights
- Ensure the long life of your product by requiring long guarantees, the availability of spare parts, and the easy upgradability of machinery
- Make sure the product is easy to disassemble and recycle at the end of its useful life
- Set limits for electromagnetic emissions
- Limit noise emissions
- Cut down on the amount of paper and ink your IT products use. Specify that devices are suitable for recycled paper and are equipped with the duplex function. Limit the use of substances such as cadmium, lead, chromium or mercury in ink. Cartridges should also be refillable
- Provide simple training to users on how to save energy using their IT devices
- Consider switching to a “lean client system”, where processing and programmes are concentrated in one central server
- Think about buying a multi-functional device (MFD) which combines several functions (printing, copying, faxing, scanning) in a more efficient way

For many of these issues, the easiest way to set specific demands is to use the criteria behind the product labels displayed below. Some possible purchasing criteria are included in the detailed chapter on IT products included in the attached CD-ROM.



#### 4 Relevant product labels

	<p><b>European Flower</b></p> <p>PCs, laptops</p> <p><a href="http://www.eco-label.com">www.eco-label.com</a></p>		<p><b>Nordic Swan</b></p> <p>PCs, copying machines, printers, fax machines and MFDs</p> <p><a href="http://www.svanen.nu/Eng/default.asp">www.svanen.nu/Eng/default.asp</a></p>
	<p><b>German Blue Angel</b></p> <p>PCs, notebooks, monitors, printers, copiers, MFDs</p> <p><a href="http://www.blauer-engel.de/englisch/navigation/body_blauer_engel.htm">www.blauer-engel.de/englisch/navigation/body_blauer_engel.htm</a></p>		<p><b>Energy Star</b></p> <p>PCs, monitors, printers, copiers, MFDs, fax machines, and mail machines, scanners</p> <p><a href="http://www.energystar.gov">www.energystar.gov</a></p>
	<p><b>Group for Energy Efficiency Appliances (GEEA)</b></p> <p>PCs, monitors, printers, copiers, mailing machines, MFDs, scanners</p> <p><a href="http://www.efficient-appliances.org">www.efficient-appliances.org</a></p>		<p><b>TCO</b></p> <p>PCs, notebooks, printers, monitors</p> <p>TCO: <a href="http://www.tcodevelopment.com">www.tcodevelopment.com</a></p>
	<p><b>EPEAT (Electronic Product Environmental Assessment Tool)</b></p> <p><a href="http://www.epeat.net">www.epeat.net</a></p>		