

Topten Monitors Guidelines for Frontrunner Public Procurers



What is Topten?

Topten is a European web portal helping buyers to find the most energy efficient products available in Europe.

The monitors displayed on www.topten.info all meet the criteria contained in these guidelines. So procurers can ascertain that there is a sufficient range of products available on the market.

On www.topten.info you'll also find links to national topten sites of a large number of European countries. www.topten.info

The European Commission's GPP website also contains valuable legal and practical guidance together with procurement criteria for a range of commonly procured products and services.

Product group covered:	All computer displays/monitors from 15" upwards
Product availability:	All products listed on <u>www.topten.info</u> meet the criteria listed below
Potential energy savings: ¹	An inefficient 17" screen has a consumption of about 75W in On mode, while the best performing model consumes 16W only. On mode consumption of 19" screens ranges from 110W to 13W.
Potential cost savings: ¹	The most efficient 17" model uses up to 80% less electricity than an inefficient model, saving about ϵ 60 ² per machine over 5 years, based on typical electricity costs. For a 19" monitor savings of up to ϵ 75 are possible.

¹ These represent rough figures comparing the best product currently available, with an inefficient model – see www.topten.info for more details. ² Based on an electricity price of $\in 0.15$ /kWh



Procurement criteria – Updated: October 2010

The following criteria can be inserted directly into tendering documents. The specifications are updated continuously. The newest versions are always available at <u>www.topten.info</u>.

Subject matter:	Purchase of energy eff	ficient computer monitors	
Technical specificat	tions:		
1. Maximum Sleep	and Off-mode power co	nsumption: 1.0 Watt	
		not exceed the following maximum values accordi ts for Displays Version 5.0:	ing to
Display Catego	ory	Maximum On Mode Power Consumption (W)	
-	en Size < 30 inches	Po = 6*(MP) + 0.05*(A) + 3	
Screen Resolution ≤ 1.1 MP Diagonal Screen Size < 30 inches Screen Resolution > 1.1 MP		Po = 9*(MP) + 0.05*(A) + 3	
Diagonal Scre All Screen Res	en Size 30 – 60 inches solutions	Po = 0.27*(A) + 8	
MP= Display Re	On Mode power consump solution (megapixels) creen Area (square inche		
or 1,296,000 pix	els, a 19 inch viewable di vould be: ((9 x 1.296) + (0	er consumption for a display with 1440 x 900 resol agonal screen size and a viewable screen area of 0.05 x 162)) + 3 = 22.8 watts when rounded to the	
meet the above requirements by	requirements. Alternative	BY STAR Displays Version 5.0 label will be deemed ly, bidders may demonstrate compliance with the a arty means or by supplying test results in respect o ia are met.	above
		s (optional): All products must meet the criteria It criteria, which relate to the following product feat	ures:
 Emissions (e Electrical saf 	gonomics (vertical tilt/heig lectric/magnetic fields and ety ally hazardous substance me	d noise)	
www.tcodevelopmen		f these features can be checked at nese criteria, or equivalent criteria of the same star ompany itself.	ndard
	icts carrying the TCO 5.1	or TCO Edge labels will be accepted. Alternatively strate that equivalent criteria in respect of the above	



Notes on implementation:

Optional specification for Environmental and Ergonomic Features - It is recommended to also apply this criterion to ensure an excellent ergonomic performance as well as to address other environmental criteria. However, if a product does not have the TCO label and instead provides extensive technical documentation this may require additional work on behalf of the procurer. Therefore it is listed here as optional. In practice, almost all products meeting the energy performance criteria will also have the TCO label.

Advice and support

If you would like further assistance in using the information presented here in your own procurement actions or more information on Topten Pro please contact the Procura+ team at:

Procurement@iclei.org

+49 761 368 9244

An expression of interest form is also available on <u>www.topten.info/pro</u> for public authorities who would like support to apply these criteria in an upcoming procurement process.



What is Procura+?

Procura+ is an initiative designed to support public authorities in implementing Sustainable Procurement. The campaign is run by ICLEI – Local Governments for Sustainability – and is the Topten partner for public authorities.

www.procuraplus.org