

# SAFEGUARDS

SGS CONSUMER TESTING SERVICES

ELECTRICAL & ELECTRONIC

NO. 055/09 MARCH 2009

## AMENDMENT OF THE SWISS ENERGY LAW (OENE)

In February 2007, the Federal Council published a policy for Energy based on four pillars: energy efficiency, renewable energy, replacing and building large power plants, internal energy policy.

This policy aims at saving resources, reducing pollution, and decreasing the dependency on fossil fuel energy. In this context, and to work on the first pillar, the Federal Council published in October a revision targeting several regulatory texts. These texts were under consultation until the 13<sup>th</sup> of February 2009. Among them, one concerns electrical and electronic home appliances.

For white goods, the requirement is based on the existing energy label with restrictions on placing devices on the market below a certain grade. For grey and brown appliances, the stand-by consumption mode is the main target. The table on page 2 summarises the requirements per category.



More details concerning the devices for each category can be found in the original text including adaptations of the threshold if they have several integrated functions. These measures will enter into force on the 1<sup>st</sup> of January 2010.

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Device	Criteria	Test method
Freezers	« A+ » energy grade [94/2/EC + 2003/66/EC]	EN 153
Laundry machines	« A » energy grade [95/12/EC]	EN 60456
Laundry driers	« A » energy grade [95/13/EC]	EN 61121
Combined laundry machines and driers	« C » energy grade [96/60/EC]	EN 50229
Electric ovens.	« B » energy grade [2002/40/EC]	EN 50304
TV	Standby: 1 W max. With recording function: 2 W max.	IEC 62087 §5
Set top boxes	Passive standby: 3 W. Active standby: 6-8 W.	IEC 62087
Audio-Video devices	Standby: 1 watt.	IEC 62087
Computers	Off mode: 1-2 W Standby: 2-4 W	Appendix A of «ENERGY STAR Test Procedure for Determining the Power Use of Computers in Standby, Sleep, Idle and Maximum Power» of the «ENERGY STAR Program Requirements for Computers (V4.0)
Computer screens	Off mode: 1 watt Standby: 2 watts	§4 «Test Methodology» in «ENERGY STAR Program Requirements for Computer Monitors (V4.1)
Printing devices	Off and Standby: 1 W	ENERGY STAR Program Requirements for Imaging Equipment (1.0)»
Electrical motors 0,75 to 375 kW	Efficiency grade IE1 according to IEC 60034-30	IEC 60034-30
Power supply devices	« No charge » mode : 0.5-0.75 W « In charge » efficiency : (Pn x49)% to 84% Depending on the device	IEC 62301

It is expected that up to 300 million kWh per year could be saved for white goods. After all appliances have been changed (10 years), 60 million kWh per year for the standby mode of electronic devices should also be saved, which corresponds to the annual consumption of 15000 households.

Details are available on the Swiss Energy Federal Agency website:  
<http://www.bfe.admin.ch>, documents exist in German, French and Italian.

This measure should be compatible with EuP directive (Energy-using Products). SGS also delivers services related to EuP, an Ecodesign directive based on Life Cycle Thinking. Please do not hesitate to contact us for further information.

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