

Owner
Head of Sourcing Sustainability
Approval Date
2021-06-16
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Annex I. Environmental Requirements on Electrical and Electronic Equipment.

These requirements are applicable for suppliers of electrical and electronic equipment (EEE)¹

A. Documentation/reporting

- A.1 Documentation (Standard ECO declaration² or similar) and information regarding material content including Nano materials³, use phase, maintenance and residual product management shall be enclosed with the procurement documentation. The documentation shall be available throughout the life of the product. If requested, environmental data and environmental declarations shall be externally verified.

B. Materials/substances

- B.1 If requested, Supplier shall according to the defined timeframe report if substances specified in the Swedish "Tax on Certain Chemicals in Electronics" (Law 2016:1067)⁴ are included in the delivered product.

D. Energy

- D.1 Supplier shall report on the plans for improving the energy efficiency in the products provided to Telia upon request.
- D.2 The product shall have as high energy efficiency factor⁵ as possible.
- D.3 The product shall have a function for powering itself or parts of itself down when not all capacity is needed, provided that the functional requirements can be fulfilled.
- D.4 The required power consumption shall not deviate more than +10% or -20% from the specified power consumption⁶.
- D.5 The equipment shall have a function for "soft start" meaning that the required fuse size specification received from the equipment supplier shall allow the closest higher standard value from normal current.
- D.6 If the equipment loses its power feed, the equipment shall automatically restart in order to regain its normal service functionality.

¹ EEE: equipment which is dependent on electric currents or electromagnetic fields in order to work properly and equipment for the generation transfer and measurement of such currents and fields.

² <http://www.ecma-international.org/publications/standards/Ecma-370.htm>

³ Nanomaterial is defined by the European Commission Recommendation (2011/696/EU) <http://data.europa.eu/eli/reco/2011/696/oj> as "a natural, incidental or manufactured material containing particles, in an unbound state or as an aggregate or as an agglomerate and where, for 50 % or more of the particles in the number size distribution, one or more external dimensions is in the size range 1 nm-100 nm."

⁴ https://www.riksdagen.se/sv/dokument-lagar/dokument/svensk-forfattningssamling/lag-20161067-om-skatt-pa-kemikalier-i-viss_sfs-2016-1067

⁵ The term energy efficiency stands for highest possible functionality per used energy. The energy consumed should be used to "transport bits", not transmitting heat. In the design it's recommended to use power down technology if feasible.

⁶ The supporting energy supply system (power and cooling) is set by the actual load.



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- D.7 Broadband equipment provisioned to Telia shall comply with the EU Code of Conduct on Energy Consumption of Broadband Communication Equipment.⁷
- D.8 Data center hardware provisioned to Telia shall support the compliance with the EU Code of Conduct on Data Centers.⁸
- D.9 External power supplies provisioned to Telia shall comply with the EU Codes of conduct on Efficiency of External Power Supplies⁹.
- D.10 Office equipment provisioned to Telia such as computers, servers etc shall meet the requirements for "Energy star¹⁰" if product category is available for the equipment.
- D.11 Office equipment provisioned to Telia such as computers, phones etc (except mobile phones) shall meet the requirements for "TCO-label"¹¹ if product category is available for the equipment.

⁷ [EU Code of Conduct on Energy Consumption of Broadband Communication Equipment](#)

⁸ [EU Code of Conduct on Data Centre Energy efficiency](#)

⁹ [EU Code of Conduct on Efficiency of External Power Supplies](#)

¹⁰ [Energy star](#)

¹¹ [TCO-label](#)

