



EuP Directive 2005/32/EC

A framework for setting eco-design requirements for energy-using products

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Aim

Promotion of sustainable
development through free
movement of EuP, environmental
protection and increased security
of energy supply



Background

- **Amsterdam Treaty- EC Treaty Article 6:**
 - «Environmental protection requirements must be integrated into the definition and implementation of the Community policies and activities referred to in Article 3, in particular with a view to promoting sustainable development» and European Councils (Cardiff, Helsinki, Gothenburg)
- **Integrated Product Policy (IPP)**
 - (consider all environmental impacts of products throughout their life cycle)



Background

- Security of energy supply
(reduction of energy consumption by products increases security of supply)
- Better regulation: efficient decision-making, consultation, self-regulation)



Eco-design approach

- Identify the significant environmental aspects of the product on the basis of the eco-design parameters of Annex I, throughout the product's lifecycle
- Search for design options that could improve the product environmental performance in balance with technical and economic constraints



Legal Basis

Article 95 :

Ensures free movement for the products conforming to the applicable eco-design requirements and a high harmonised level of environmental protection

New Approach directive (*Almost*)

- **CE marking - passport for EU market**
- **Generic Eco-design requirements (GERs) on environment**
- **Voluntary harmonised standards conferring presumption of conformity with GERs**
- **Simple conformity assessment**
- **Harmonised procedures (market surveillance, NBs, standards, etc.)**
- ***Specific Eco-design requirements (SERs) for limits***

Scope - products

Framework Directive sets provisions for system allowing products to be placed on the market/or put into service

and covers

- **Energy using products *covered by implementing measures* (no immediate requirements on products)**
- **EuP parts (if placed separately on the market and can be assessed environmentally)**
- **Means of transport excluded**



Scope – priority products

- At the first stage products using electricity or fuels will be prioritised
- No binding list of products to be tackled but clear selection criteria and priority to ECCP products and standby during first phase



Scope – aspects I

EuP DOES NOT deal with environmental impacts (e.g. climate change) but with the environmental aspects of the product which can be correlated to those impacts (e.g. energy consumption) and can be substantially influenced by *product design*.



Scope – aspects II

- EuP addresses all environmental aspects (listed in Annex I) throughout the life cycle, from material selection to end-of-life management
- The eco-design requirements of implementing measures will address the significant environmental aspects of the examined product



Eco-design requirements

- Generic, aiming at the improvement of the overall environmental performance, focusing on environmental aspects identified in the implementing measure

and/or

- Specific, in the form of limit values or thresholds for selected environmental aspects with a significant adverse impact on the environment



Adoption of implementing measures

- Product requirements introduced via implementing measures
- Working plan identifying candidate products
- Preparatory studies identifying environmental aspects
- Proposed draft implementing measures or voluntary agreements are first discussed with stakeholders in the Consultation Forum.
- Impact assessment precedes Commission draft measure proposals
- Implementing measures are adopted by the Commission assisted by a regulatory Committee
- Stakeholders participate throughout the whole process



Implementing measures I

Implementing measures are proposed for products which:

- represent a significant volume of sales and trade in the internal market (indicative threshold: 200 000 units/year)
- involve a significant environmental impact and
- present a significant potential for improvement


The entire life cycle of the product will be considered

Other aspects (product performance, health&safety, impact on consumers, manufacturers' competitiveness) are taken into account



Implementing measures contain

- Products covered
- Application dates
- Generic and/specific design requirements
- Eco parameters not needing GERs/SERs
- Measurement standards/methods
- Conformity assessment procedures from module decision 93/465/EEC
- Information requirements
- ...



Principles for setting eco-design requirements

- assure proper and timely consultation of stakeholders
- look for an adequate balance between the requirements envisaged, its technical/economic feasibility and appropriate adaptation deadlines and time schedules for application
- give due consideration to self-regulation by industry
- use mature methods, when available (e.g. least life cycle cost for energy consumption in use)
- use evidence available through other Community activities
- Member state legislation is taken into account when preparing implementing measures

Fictitious example: washing machine

- Generic requirements: use of raw materials, information for users and service personnel, weight and volume, disassembly and recycling, lifetime, generated waste, emissions or spill of substances to air and water, emf, noise, vibrations.

and

- Specific requirements: limit value for electricity consumption in use and in standby modes, limit value for water consumption.

Manufacturers' obligations

Under implementing measure

- **Assess environmental aspects and impacts of product**
- **Design and construct in compliance with eco-design requirements**
- **Possibly use harmonised standards and eco-labels for presumption of conformity**
- **Carry out conformity assessment (self-assessment is the general rule)**
- **Affix the CE marking**



Conformity assessment

- internal design control (Annex IV) or management system (Annex V)
 - or any of the modules B,C,D,E as described in Council Decision 93/465/EEC when duly justified
- EMAS including product design is presumed to conform to the requirements of Annex V



Presumption of conformity

- CE marking
- Use (voluntary) of harmonised standards referenced in the OJEU
- Awarded Eco-label presumed to comply with corresponding implementing measure (if the Eco-label meets the requirements)



Standardisation

- Standards are essential
- Commission mandate ended in July
- Cenelec and CEN – inventory of standards
- Pro-active approach taking account of probable implementing measures useful
- Discussion how to proceed will follow



Market surveillance

- MS obliged to ensure that only conforming products are placed on the market
- MS to set up surveillance organisation
- Cooperation between MS & Commission
- MS to report on activities and results
- Standard & Product safeguard clauses



Benefits

- Ensuring a single market for EuPs removing barriers to trade
- Reduced environmental impact from EuPs
- Increased security of energy supply
- Integration of environmental aspects into equipment design without compromising competitiveness
- Enhanced consideration of SMEs and consumers
- Development of new standards for the environment
- First concrete example of IPP
- Acceleration of ecological solutions, advantaging EU competitiveness in global trade
- Greater availability/exchange of environmental information in the public domain



Summary

- EuP aims at the sustainable development of energy-using products and deals with product design
- It is a framework Directive; legal obligations for manufacturers will come with the implementing measures
- Those will be adopted by a transparent process (stakeholder consultation) and adequate analysis (impact assessment)
- Priority is given to self-regulatory activities by industry



EuP on Internet

DG Enterprise and Industry

- http://ec.europa.eu/enterprise/eco_design/index_en.htm
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DG Energy and Transport

- http://ec.europa.eu/energy/demand/legislation/eco_design_en.htm
- Email: tren-ecodesign@ec.europa.eu