



Ecodesign

Current work and next steps

Motor Summit 2008

25 - 26 November 2008, Zurich



Context

- EU Energy Package 12 November 2008
- Action Plan on Sustainable Consumption and Production and Sustainable Industrial Policy (2008)
- Energy efficiency of appliances:
 - » Ecodesign– push the market by taking out the least-performing products
 - » Energy labelling – pull the market by promoting the best-performing products
 - » Complemented by public procurement and other incentives set mainly at the level of Member States

Goal: improve energy efficiency of energy using products, while duly taking into account the other relevant environmental aspects throughout a product's life cycle, including competitiveness and consumer issues

● Ecodesign: General principles

- The Framework Directive provides for implementing measures on particular product groups to be adopted by the Commission - or voluntary agreements
- Product specific ecodesign implementing measures: minimum performance requirements for relevant environmental aspects (throughout life-cycle) of a product – including energy efficiency
- requirements on the product only
- Non-complying products have no access to the EU market
- In principle, requirements set at the level corresponding to the least life-cycle cost

● Ecodesign: Framework Directive

- Revision 2008

Scope: energy-relevant products

(Including Energy Labelling Directive)

- Revision 2012 –

Scope: all products?

(2008 Action Plan on Sustainable Production and Consumption)

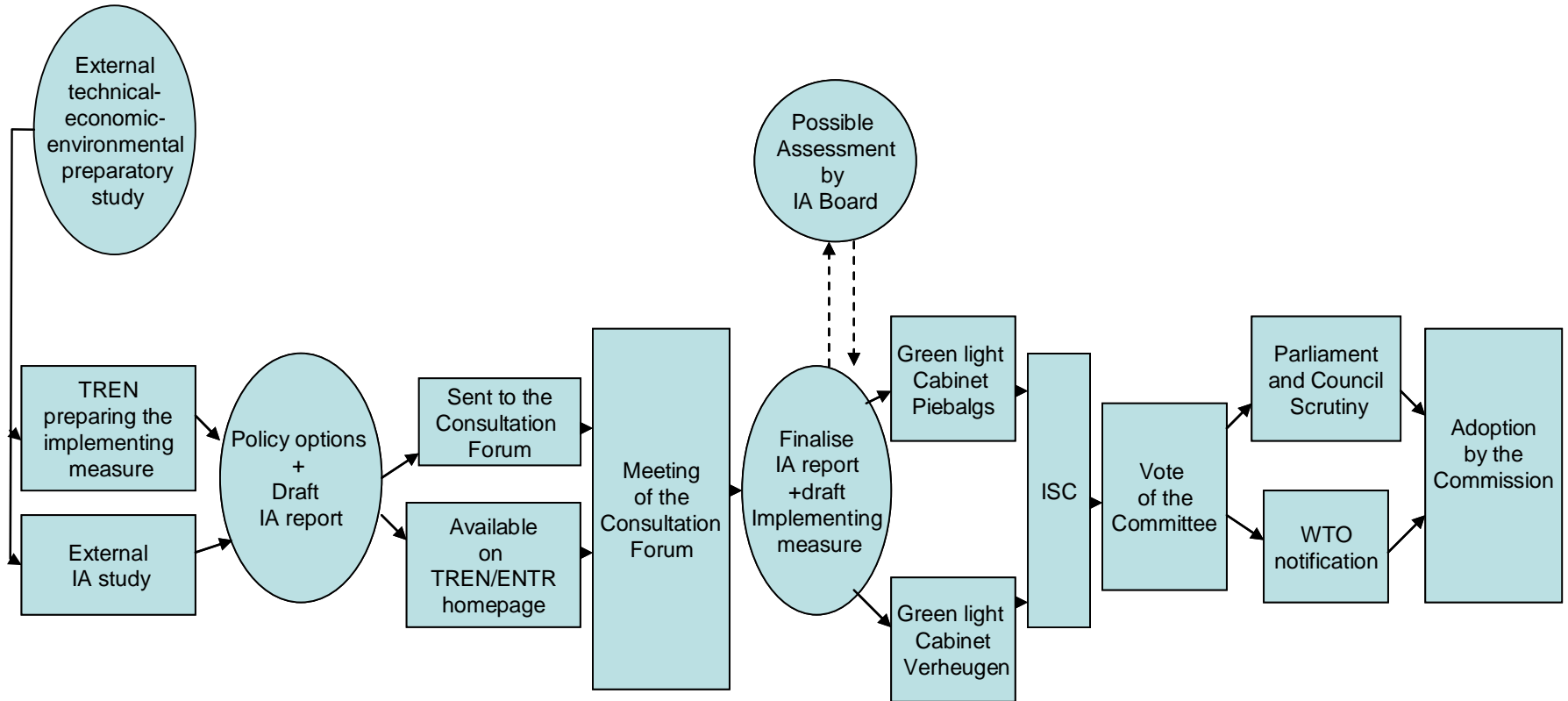
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Energy Manufacturer Model	Logo ABC 123
More efficient A B C D E F G Less efficient	B
Energy consumption kWh/year <i>(based on standard test results for this type)</i>	XYZ
Rated consumption <i>(based on standard test results for this type)</i>	XX
Fresh food volume l Frozen food volume l	XX XX
Notes <i>(Mandatory on 1 page)</i> Further information is available in product literature	
For more information, please visit ec.europa.eu/energy_labeling	

● Steps for developing an ecodesign implementing measure

- develop technical basis (usually in a preparatory study) for an implementing measure (Consultant) – stakeholder consultation
- do Impact Assessment and develop a suggestion for implementing measure (Commission)
- Consultation Forum (Stakeholders and EU Member States) discuss a draft implementing measure – advisory
- Commission internal agreement
- Regulatory Committee (EU Member States) - vote on implementing measure
- EP and Council right of scrutiny and WTO notification
- Commission adoption

Adoption process for Eco-design implementing measures



● Ecodesign: current status

- 20 product studies completed or close to be completed
- 10 new product studies to be launched within weeks
- Work Plan established until 2011
- Some 15 Ecodesign and Energy Labelling IMs to be adopted 2009, starting from January onwards
- First requirements to be applicable 2010 (Regulations)

● Motor Implementing Measure

- Consultation Forum – request for tougher requirements and coupling with VSD
- Impact Assessment ongoing:
- Savings from IE2/IE3 MEPS: ca 15-18 TWh
- Many-folded savings from IE2/IE3 + VSD
- Benefits for customer, economy and environment

Preparatory studies



1: boilers (gas/oil/electric)	www.ecoboiler.org	Van Holsteijn en Kemna B.V.
2. water heaters	www.ecohotwater.org	Van Holsteijn en Kemna B.V.
3. personal computers	www.ecocomputer.org	IVF
4. Copiers, faxes, printers...	www.ecoimaging.org	Fraunhofer Institute, IZM
5. Televisions	www.ecotelevision.org	Fraunhofer Institute, IZM
6. Standby	www.ecostandby.org	Fraunhofer Institute, IZM
7. Battery chargers..	www.ecocharger.org	BIO Intelligence Service
8. Office lighting	www.eup4light.net	VITO
9. (public) Street lighting	www.eup4light.net	VITO
10. Air-conditioning	www.ecoaircon.eu	Armines
11. Electric motors...	www.ecomotors.org	AEA Technology
12. Commercial refrigerer...		
13. Domestic refrigerer..		
14. Dishwashers, washing...		



Preparatory studies

15. Solid fuel small combustion installations (in particular for heating)
16. Laundry dryers
17. Vacuum cleaners
18. Complex set top boxes (with conditional access and/or functions that are always on)
19. Domestic lighting
20. Local room heating products
21. Central heating products using hot air to distribute heat (other than CHP)
22. Domestic and commercial ovens (electric, gas, microwave)
23. Domestic and commercial hobs and grills, including when incorporated in cookers
24. Professional washing machines, dryers and dishwashers
25. Non-tertiary coffee machines
26. Networked standby losses of EuPs
27. Domestic uninterruptible power supplies (UPS)
28. Refrigerating and freezing equipment: service cabinets, walk-in cold rooms, chillers...
29. Transformers: distribution transformers, power transformers
30. Sound and imaging equipment: DVD/video players and recorders, video projectors...

Planning of Ecodesign and Energy Labelling measures



Planning Eco-design and Labelling measures 01 09 2008	Committee vote	Commission adoption
Eco-design of Standby	July 2008	Dec 2008
Eco-design of simple set top boxes	Sept 2008	Jan 2009
Eco-design of Tertiary sector Lighting (street & office)	Sept 2008	Feb 2009
Eco-design of external Power Supplies	Oct 2008	Feb 2009
Eco-design of Domestic Lighting	Dec 2008	March 2009
Eco-design of Circulators	1-6 of 2009	+ 4-5 months
Eco-design and labelling of Water Heaters	idem	idem
Eco-design and labelling of Washing Machines	idem	idem
Eco-design and labelling of Dishwashers	idem	idem
Eco-design and labelling of Domestic Refrigerators/Freezers	idem	idem
Eco-design and labelling of TVs	idem	idem
Eco-design of electric Motors, electric Pumps and Fans	idem	idem
Eco-design and labelling of Boilers	idem	idem
Eco-design of Air-conditioning	idem	idem
Eco-design of Personal Computers	7-12 of 2009	idem
Eco-design of Imaging Equipment (copiers, printers, faxes, scanners...)	idem	idem
Amended Directive on the labelling of Domestic Lamps	1-6 of 2010	idem

Directorate-General
for Energy
and Transport



● Expected benefits

- Minimised impact on the environment

250 Mt of CO₂ 25% of EU target by 2020

- Financial savings

€75 bln by 2020)

Level playing field and clear regulatory framework for manufacturers



Thank you!

More information: DG Energy and Transport

http://ec.europa.eu/energy/demand/index_en.htm