



Eco design framework - Montenegro example -

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Content

- Legal setup
 - Institutional setup
 - Impact
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Legal setup

- **Law on Efficient Use of Energy** (from April 2019) regulates EE on side of final energy consumption and represent legal basis for eco design:
 - Introduce energy related products in respect to the new EU directives (Art. 44);
 - Require that products meet eco-design requirements (Art. 48),
 - Define obligations of different economy operators (producers, suppliers, dealers etc.) (Art. 45-47),
 - Prescribe requirement for market surveillance (Art. 52).
 - Law on technical requirements for products and conformity assessment
 - Law on inspection control
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Legal setup - harmonization

- Requirements of the *Directive 2009/125/EC establishing a framework for the setting of eco design requirements for energy-related products* were transposed by:
 - Law on Efficient Use of Energy (from 2019) – main provisions,
 - Rulebook on eco-design requirements of energy related products (from 2016/updated in 2018) - full alignment.
- Transposition of the specific implementing measures (regulations) for different groups of products is achieved through by-laws (rulebooks).
- So far **25 rulebooks is adopted** (additional 9 in comparison to 2018).
- Priority for transposition should be defined on the basis of the several criteria: relevance for the country; impact on the market; contribution to the energy savings; local production etc.

ERPs by-laws (adopted/planned)

Products	Adoption/Application
16 groups of products is covered in 2017: All types of lamps, Electric motors, Refrigerators, Air conditioners, Washing machines, Dishwashers, Appliances in stand-by mode, External power supplies, Simple set-top boxes, Fans, Water pumps, Circulators and Laundry dryers	<ul style="list-style-type: none">• Adopted in 2017• Non directional lamps and fluorescent lamps applies from July 2018, others from Jan 2019
9 groups of products is covered in 2019: Space and water heating products, Computers and servers, Power transformers, Vacuum cleaners, Ventilation units	<ul style="list-style-type: none">• Adopted in 2019• Applies from Jan/June 2020
3 groups of products planned for 2020: Ovens, hobs and range hoods; Air heating products, cooling products, high temperature process chillers and fan coil units; Refrigerated storage cabinets, blast cabinets, condensing units and process chillers	<ul style="list-style-type: none">• Planed for 2020• Application in accordance with given timetables

Institutional setup

Transposition		Technical assistance/Donors support
Nomination of the relevant authority at the national level	Ministry of Economy/Directorate for Energy and Energy Efficiency	
Involvement of relevant bodies in the process of development of the legal/regulatory framework	<ul style="list-style-type: none"> • Ministry for Sustainable Development and Tourism - for transposition of the main framework directives • Technical faculties in Montenegro - transposition of specific regulations (technical regulations), • Institute for Standardization - adoption of relevant standards • Chamber of Economy - public consultation with producers/dealers of energy related products 	
Implementation		
Market surveillance	<ul style="list-style-type: none"> • Market inspection – nominated as responsible market surveillance body • Capacity building of the inspectors and inspection on the site 	

Market surveillance

- Capacity building market inspection is supported under REEP/REEP +
 - 3 workshop are organized (2018/2019) covering different technologies (lamps, air-conditioning, refrigeration);
 - Important to cover also energy labeling;
 - Priorities need to be defined - for smaller economies it is impossible to cover all groups of products.
 - Team building meetings of the Market Inspection – harmonization of the procedures
 - Exchange of the information with other relevant entities (Market Inspection from Croatia, experts under REEP+ etc.) – to be expanded in future
 - Possibility to access to the information in EU Reporting system would facilitate work of market inspection
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Effects on energy savings (4th EEAP)

Group of products	2018	2019	2020	2021	2022
Televisions	0,00	0,00	0,01	0,04	0,07
Refrigerators	0,00	0,11	0,39	0,77	1,14
Lamps	0,35	0,69	3,50	6,34	9,14
Washing machines	0,00	0,03	0,24	0,47	0,71
Dishwashers	0,00	0,01	0,04	0,10	0,19
Air conditioners	0,00	0,99	2,47	4,45	6,44
Water heaters	0,00	0,00	0,24	0,53	0,92
Space heaters	0,00	0,00	0,38	1,14	2,28
Total	0,35	1,83	7,27	13,83	20,89

Conclusions

- Introduction of eco design requirements is the most effective measure for achieving energy and CO₂ savings because it makes real change of the market of the energy related products;
 - Effects of eco design depends on proper implementation – proper legal and institutional setup
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THANK YOU FOR YOUR ATTENTION!

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