EE Labelling and MEPS Programmes for Household Appliances- Tunisia Case Study

Kawther LIHIDHEB
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EE LABELS & STANDARD
MEPS & EE LABELS

- Minimum Energy Performance Standards MEPS set a minimum requirement for energy efficiency various equipment.

- Energy Efficiency Labels inform buyers about product energy performance (usually in the form of energy use, efficiency, or energy cost)
  - Labels provide the data necessary for consumers to make informed purchases.

- Labels and MEPS target the complete sales market for certain categories of equipment.

- Do not target equipment already installed and functional. They will be concerned at the end of life.
STANDARDS AND LABELLING: DYNAMIC POLICY MEASURES TO INCREASE EQUIPMENT EFFICIENCY

Energy Labels "pull" the market

Minimum standards "push" the market

- Standards and labels
- No standards or labels
- Standards only

Sales

Efficiency
TUNISIAN LABELING & MEPS PROGRAMME
THE TUNISIAN EE LABELLING & MEPS PROGRAMME

› The labelling and MEPS programme for household appliances came into force in 2004.

› The programme is coordinated by the National Agency for Energy Management (ANME) with the involvement of the main public and private key stakeholders (INNORPI, CETIME, FEDELEC, ODC, etc.).

› The programme is implemented by the Ministry of Energy and the Ministry of Industry & Trade.
EE LABELLING & MEPS PROGRAMME - TUNISIA

› Mandatory energy labelling for 3 types of products, with similarities to EU measures;
› The label format is similar to the old EU label, but bilingual Arabic-French;
› Minimum standards for 4 types of products, with similarities to EU measures;
› Measurement standards harmonized with IEC/ISO.
# THE TUNISIAN EE LABELLING & MEPS PROGRAMME

<table>
<thead>
<tr>
<th>MEPS</th>
<th>Labels</th>
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<tbody>
<tr>
<td>Home Refrigerators</td>
<td>Home Refrigerators</td>
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<tr>
<td>Home Freezers</td>
<td>Home Freezers</td>
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<tr>
<td>Room Air Conditioning</td>
<td>Room Air Conditioning</td>
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<tr>
<td>Incandescent Lamps</td>
<td></td>
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<td>Washers (UD)</td>
<td>Washers (UD)</td>
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<tr>
<td>Lamps (UD)</td>
<td>Lamps (UD)</td>
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UD = Under development
THE TUNISIAN EE LABELLING & MEPS PROGRAMME
ENERGY LABELS DESIGN

Tunisian Refrigerator Label

Tunisian RAC Label
THE TUNISIAN EE LABELLING & MEPS PROGRAMME

- Mandatory Energy Labelling cold appliances
  - 17 December 2004
  - Every model must be Tested/Certified by CETIME before being placed on the market

- Introduction of the following MEPS:
  - From the beginning of 2007 each refrigerator sold on the Tunisian market must have an energy label class of 4 or better (i.e. EU label class C or better)
  - From the beginning of 2010 each refrigerator sold on the Tunisian market must have an energy label class of 3 or better (i.e. EU label class B or better)
THE TUNISIAN EE LABELLING & MEPS PROGRAMME

Mandatory Energy Labelling RAC:
- 24 April 2009
- Every model must be Tested/Certified by CETIME before being placed on the market

Introduction of the following MEPS:
- From the beginning of 2010 each RAC sold on the Tunisian market must have an energy label class of 5 or better
- From the beginning of 2011 each RAC sold on the Tunisian market must have an energy label class of 4 or better
- From the beginning of 2012 each RAC sold on the Tunisian market must have an energy label class of 3 or better
LEGAL OVERVIEW OF TUNISIAN EE LABELS & MEPS

Enabling Laws
- Law 2004-72 Energy Conservation Law
- Loi 31-8 Consumer Protection Measures

Control & Sanctions
- Loi 12-06 Normalisation, certification et accréditation
- Loi ° 24-09 Sécurité des produits et des services

Framework Decree
- Décret cadre Étiquetage & performances énergétique des équipements

Arrêtés d’application
- Arrêté : Refrigerators & Freezers
- Arrêté : Room Air Conditioners

Test Standards
- Test standards: Refrigerators & Freezers
- Test Standards: RACs
Institutional and Capability Building

TUNISIAN EE LABELLING & MEPS PROGRAMME

TESTING FACILITIES

› Implementation of testing facilities (CETIME):
  - Refrigerator → 2002;
  - RAC equipment → 2008;
  - Lighting → 2010;
  - Laundry washing machine → 2015-16

› Testing protocol (INNORPI);
› Training (all Stakeholders);
› Conducting pilot tests (60 refrigerators, 50 ACs).
  - Refrigerators → 60 appliances;
  - ACs → 50 appliances;
TUNISIAN EE LABELLING & MEPS PROGRAMME IMPLEMENTATION PROCESS

CETIME (testing) -> Manufacturers and Importers -> Retailers -> Ministry of Trade

Manufacturers and Importers -> ANME (Label Level)
TUNISIAN EE LABELLING & MEPS PROGRAMME

SUPPORTIVE MEASURES

Training & information:
› Manufacturers, importers;
› Retailer support;
› Market controllers;

Awareness & communication campaign:
› All media (TV, radio, newspapers)
› Mailings
› Flyers, Posters
› Field campaigns
› Meetings, seminars and exhibitions
TUNISIAN EE LABELLING & MEPS PROGRAMME
MARKET TRANSFORMATION

Cold Appliances

RAC Equipment

Source: ANME
TUNISIAN EE LABELLING & MEPS
SUCCESS FACTORS

- **Building interministerial** support for the program so that all the ministries involved are aligned with the program’s objectives and its implementation;

- **Beginning with a single product group** (household refrigerators and freezers) to demonstrate success before including other product types;

- **Starting with mandatory energy labelling** and then introducing the MEPS;

- **Developing and testing an effective label design** that is easily understood by consumers and is motivating for them;

- **Working with local producers and importers** prior to adopting the regulations to ensure that all the parties are fully aware of the requirements and have developed strategies to meet them;
TUNISIAN EE LABELLING & MEPS
SUCCESS FACTORS

- Working with **wholesalers and retailers** via an extensive **pilot program** to ensure that they too are aware of the requirements and have put strategies in place before the requirements are implemented;

- Developing extensive and **internationally accredited national** product energy performance testing infrastructure

- Developing a **product certification program** so that the labelled products placed in the market are tested in an independent third-party test laboratory;

- Launching a **national awareness campaign** to educate consumers about the new energy label and the potential benefits to be gained from investing in higher efficiency equipment.
EE LABELS & MEPS PROGRAMMES
LESSONS LEARNED

› Standards and Labelling is the most cost-effective way to reduce energy use and GHG emissions.
› Important to engage all stakeholders, particularly appliance manufacturers, through each stage of programme development.
› Enforcement strategy policy and effective implementation process are crucial to ensure sustainable market transformation.
New innovative mechanisms are needed to accelerate the replacement of the stock of non-efficient appliances, especially for low income households.

The harmonization of EE S&L programmes often brings additional benefits:
- Reduces programme costs by adopting an existing programme;
- Avoids or removes indirect trade barriers.
THANK YOU FOR YOUR ATTENTION

Kawther Lihidheb, MBA, Eng
Senior Energy Efficiency Specialist
Business development & Financing

Econoler
Tel: +1 418 692 2592 (4330)
Mobile: +216 98 664 984
Email: klihidheb@econoler.com