

ATLETE project

Appliance Testing for Energy Label Evaluation

- How to test 80 cooling appliances for label compliance

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Atlete – Content of the presentation:

- Main problems in appliance verification**
- ATLETE general goals**
- Preconditions of the project**
- Current status of the project**
- First results and achievements**
- Next steps**

Main issues in EU appliance verification

The current situation:

- Few official verification tests
- Little systematic action taken among Market Surveillance Authorities
- Very little international exchange of info
- Fragmented knowledge on energy label compliance within the EU

ATLETE general goals

- ❑ First Pan-European testing results on major household appliances
- ❑ Methodology for the procedure of testing larger number of refrigerator and freezers
- ❑ Assessment of level of compliance of refrigerators and freezers within the EU energy labelling scheme
- ❑ Promotional campaign in each participating country and on EU level

Two main preconditions of the project:

- ❑ The test procedure has to be fully compliant with the requirements of the legislation and technical norms, so that results can be fully accepted by all parties.
- ❑ All results will be made public, including the names of the tested models and the test results.

Atlete – About the project:

Supported by Intelligent Energy Europe / EC

Duration: June 2009 – May 2011

Partners: **ISIS** — the co-ordinator (Italy)

- / CECED** (European Committee of Domestic Equipment Manufacturers)
 - ❖ Responsible for the Laboratories Selection and management of the Appliances Testing
- / ENEA** (Italian National Agency for new Technology, Energy and the Environment - Italy)
 - ❖ Responsible for the overall project methodology and final results evaluation
- / SEVEn** (Energy Efficiency Center – Czech Republic)
 - ❖ Responsible for the dissemination activities
- / ADEME** (French Environment and Energy Management Agency - France)
 - ❖ Responsible for the initial Background Analysis

1) Specific project goals – Which appliances to test?

- Project budget for 80 cooling-freezing appliances
- Random selection – in order to obtain a picture of overall compliance level
 - GfK database, products selected by a notary
 - All producers > 0.1% EU market share + national champions >1% in BE, DK, FR, DE, GB, IT, NL, PL, ES.
 - Selections from market share categories and best seller models among them
 - List of selected models published on project website

2) Specific project goals – Where to test the appliances?

Selection of laboratories:

- 23 EU accredited labs contacted
- 22 expressed some interest
- 15 delivered fully filled in Questionnaire
- 10 were shortlisted for a Call for Tender
- 4 were selected to test based on the tender reply and a visit by the expert (published on web)

3) Specific project goals – What to do with the results? **Manufacturers:**

- **Voluntary protocol for remedy actions of non-compliant labels**
68 manufacturers and brands invited, of which 27 signed (incl. most major brands, 54 of the 80 tested products). Full list of names on project website.
- Signatories and non-Signatories have the possibility to assist the testing of their own models and raise any concern on the regularity;
- Signatories have the unique opportunity to take remedy actions after Step 1 if their product suspected to be non-compliant;

How testing is undertaken:

- Laboratories contacted manufacturers of selected models for loading plans, product fiches and informing about testing time;
- Parameters to be measured:
 - 1. energy consumption;
 - 2. storage temperature(s);
 - 3. storage volume(s).
 - 4&5. temperature rise time and freezing capacity (for freezers and refrigerator-freezers only)
- Step 1 of test to be finalised by October 2010;
- All test to be finalised by February 2011.

3) Specific project goals – What to do with the results? Dissemination:

- Leaflets, articles, conferences, website... full disclosure of information**
- Available to national authorities, consumer groups, media ...**
- Note: only limited list of „equivalent models“**

Current status of the project as of end of August 2010:

- Methodology discussed with Intl. advisory committee
- Models selected
- Laboratories selected
- Step 1 tests started - Appliances are already at the premises of the laboratories and the tests are ongoing

Atlete – Next steps - within project:

- Completion of the full 80 tests – Feb. 2011
- Communication with manufacturers (Step 1, acceptance, remedy actions)
- Information fully published to
 - national authorities,
 - interested experts
 - consumer groups,
 - media, etc.
- Final event: April 2011, Brussels (at EUSEW.eu)

Atlete – Next steps – beyond project:

■ „Atlete II“ project?

- Other types of appliances covered (washing machines)
- Further specification of testing procedures
- Non-random selection of models (most/least efficient, biggest/smallest, most/least expensive, suspicious in any way...)
- More member states to cooperate on exchange and implementation of results

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