



EEPLIANT – „Energy Efficiency Compliant Products 2014“ project

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EEPLIANT in brief

1. Market surveillance of energy label and ecodesign
2. 13 market surveillance authorities able to take legal action
3. Focus on:
 - LEDs
 - Heaters
 - Printers

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EEPLIANT general objectives

- Creates capacity in MSAs where, in some cases, little existed before
- Transnational, will impact the entire EU market
- Improves the harmonisation of enforcement actions between MSAs in different Member States
- Creates a common purpose through the involvement of suppliers, users and policy makers
- Demonstrates to all stakeholders that the marketplace is being policed
- Develops market surveillance methods

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EEPLIANT participants

Participant organisation name	Short Name	Country
Product Safety Forum of Europe	PROSAFE	BE
Austrian Energy Agency	AEA	AT
FPS Economy, SME's, Self-employed and Energy, Directorate General Energy	FPS Economy	BE
Commission for Consumer Protection	CCP	BG
State Agency for Metrological and Technical Surveillance	SAMTS	BG
Danish Energy Agency	ENS	DK
Office of Metrology of Hessen	HED	DE
State Non Food products Inspectorate under the Ministry of Economy	SNFPI	LT
Malta Competition and Consumer Affairs Authority	MCCAA	MT
Netherlands Food and Consumer Product Safety Authority	NVWA	NL
Office of Competition and Consumer Protection	UOKIK	PL
Market Inspectorate of Republic of Slovenia	MIRS	SI
Swedish Energy Agency	STEM	SE
National Measurement Office	NMO	UK

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EEPLIANT advisory board

- Industry, NGOs, policy makers:

Advisory Board

EEPLIANT has an Advisory Board to provide advice leading to enhancing the effective delivery, impact and outreach of the project. They do so by:

- Providing technical assistance and related information;
- Giving feedback on the programme's on-going impact and provision of advice to increase that impact;
- Serving as a public advocate for the programme.

The membership is made up of stakeholders who have an interest in the activities and objectives of the programme. It includes the following:

















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Cooperation among EU MSAs:


- Best practice guidelines
- Training modules
- Internal training events
- Discussions on common approach
- Development of methodologies
- Taking **legal action** on non-compliant models






Energy Efficiency Compliant Products 2014

Work Package 2: Implementing Best Practice




Work Package 3 - TRAINING, Module A

Introduction to the EU regulatory framework

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Testing of LEDs:

- Models selected on high risk basis
 - Document inspection - **134 models**
 - Screening exercise - **117 models**
 - Full testing - **86 LED models**

- Some authorities, have already started formal actions with suppliers, based on inconsistencies found in formal documentation.

<http://www.eepliant.eu/index.php/work-packages/wp4-led>

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Samples of our focus on LEDs:

Lamp definition	Examples
E14:230V	
E27:230V	
GU10	
GU5.3	
G9	

Testing includes:

- Power consumption,
- Luminous flux,
- Lifetime,
- Colour rendering,
- Power factor,
- Beam angle, etc.

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Testing of printers (1/2):

- 40 models - voluntary agreement, replacing the ecodesign regulation
- Project action includes a laboratory tender and full scale testing, and negotiating directly with the manufacturers on results observed.

- More info:

<http://www.eepliant.eu/index.php/work-packages/wp5-printers>

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Testing of printers (2/2):


Product Type	Marking Technology	Low cost imaging equipment for domestic use	Medium speed and cost office imaging equipment	High speed and cost office imaging equipment	Totals
MFD	Inkjet	15	0	2	17
MFD	Laser	5	3	1	9
Printer	Inkjet	5	1	0	6
Printer	Laser	3	2	3	8
All		28	6	6	40


Table – EEPLIANT WP5 Product Numbers and Type


- More info:

http://www.eepliant.eu/images/Documents/WP5/Flyer-EEPLIANT_Imaging_10-2016-v0-4.pdf

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Testing of heaters (1/3):


Scope:


- Combination heaters
 - Capacity < 70 kW (Energy Label Directive)
 - Capacity < 400 kW (ECODesign Directive)


- EEPLIANT activities:
 - Electric boilers for space heating < 70 kW: Tecn. dossiers
 - (Small) Gas boilers < 70 kW: Tecn. dossiers + test
 - Big gas boilers up to 400 kW (in-situ test): Tecn. Dossiers + test
 - Heat pumps < 70 kW: Tecn.dossiers + test
 - Packages
 - Round Robin exercise on document inspection



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Testing of heaters (2/3):

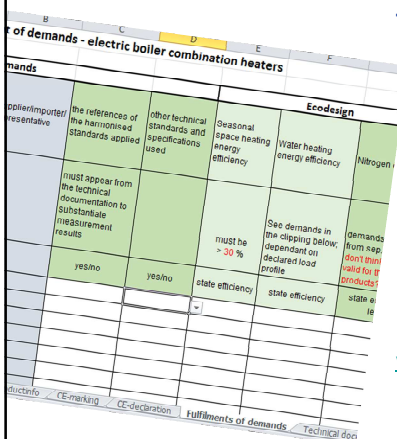


Table of demands - electric boiler combination heaters

	B	C	D	E	F
Requirements	the reference of the harmonised standards applied	other technical standards and specifications used	Seasonal space heating energy efficiency	Water heating energy efficiency	Nitrogen
Documentation	must appear from the technical documentation to substantiate measurement results		must be > 30 %	See demands in the clipping below: dependent on declared load profile	demands from separate valid for all products
Compliance	yes/no	yes/no	state efficiency	state efficiency	state efficiency

Test programme:

- Heat pumps and small gas boilers:
 - document inspections (templates created and shared among authorities)
 - laboratory testing
 - 10 gas boilers
 - 7 heat pumps
- Big gas boilers:
 - in-situ test
 - 2 gas boilers

www.eepliant.eu/index.php/work-packages/wp6-heaters

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Testing of heaters (3/3):

In-situ testing of big gas boiler 70 - 400 kW

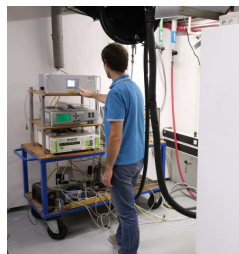
- Complicated to get into a tes lab
- Complicated product selection
- In-situ test on installed product a way forward?
- Test method to tested and refined
- Full load promising - but part load? Is being investigated



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EEPLIANT focus:

- Verifying compliance of products, e.g. by testing
- Working with industry to prevent noncompliance
- Sharing overall results with stakeholders



Best Practice Guidelines for Coordinated and Effective
Ecodesign and Energy Labelling Market Surveillance



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 The Project is funded by the European Union

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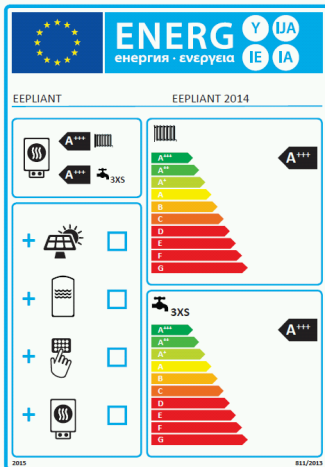
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Thank you

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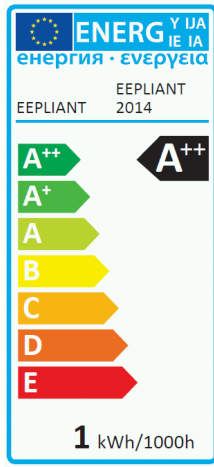
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1 kWh/1000h

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