

Electrical Fire Safety Advocacy in the EU

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Agenda



- The electrical safety history and its legacy in the EU
- What FEEDS asks for?
- Operating plan

The electrical safety history



What is Electrical safety?

Ensuring the **good functioning** of a set of components:
Electrical installation + the appliances + equipment.

This set evolves over time:

- ageing of elements,
- addition of equipment,
- retrofit,
- etc.

The electrical safety history



The concept of electrical safety can be interpreted in different manners **depending on the intensity** of electricity use.

👉 Electrical safety goes together with the **advancement** of electrification.

The electrical safety history



Electrification **stage 1** - *Access to electricity*

- Electrical Safety is largely ensured by awareness and first electrical codes development.
- **Electrical shocks and electrocution** are the predominant concerns.

👉 Only basic protection like insulation of electrical parts is considered.

The electrical safety history



Electrification stage 2 - *Common use of electricity, electricity widely used*

- Electrical safety is ensured by more and more detailed codes implementation.
 - The risk of electrical shocks and electrocution are better managed, and the fire **risk arises**.
- 👉 Fault protection devices are installed.

The electrical safety history



Electrification stage 3 - *Use of electricity is intensifying, but installations are ageing*

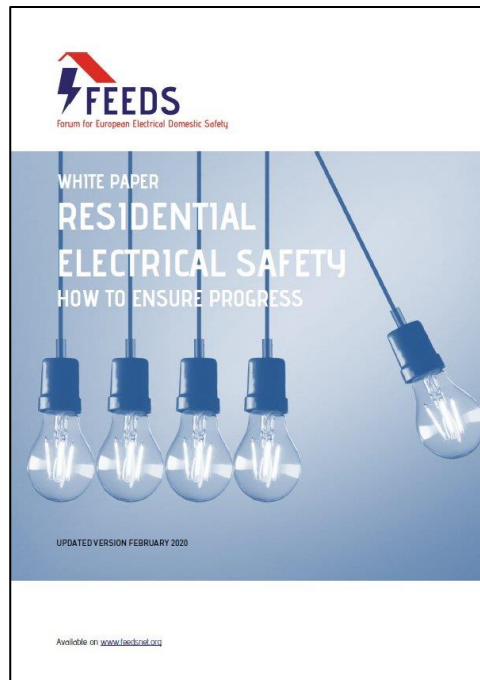
- The risk of electrical shocks and electrocution is lowered.
- **Fire risks** are predominant.

 More sensitive protection devices are added.

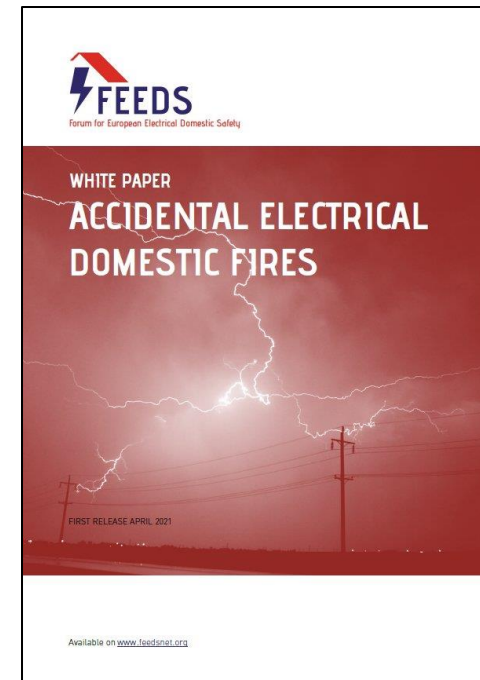
The legacy of the history of electricity



In the EU:



25 to 30% of domestic fires have an electrical source



50% of accidental domestic fires have an electrical source

The legacy of the history of electricity



132 millions

of obsolete electrical
installations

What FEEDS asks for?



Our data show that electrical domestic fires have a **predominant share** in Europe

BUT these fires are largely preventable

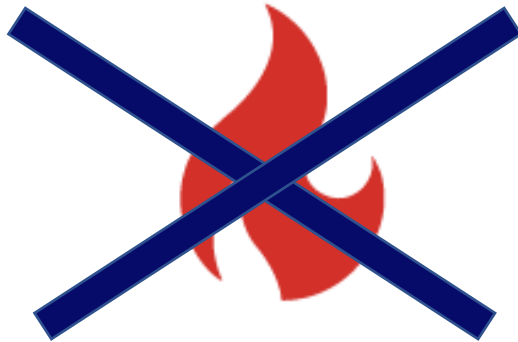
~~FATALITY~~

 **Act by prevention**

What FEEDS asks for?



**What to do if we want the
fire not to start?**



What FEEDS asks for?



Why is there **24 times** more electrical fires in Europe than in Japan?

What FEEDS asks for?



**Mandatory
electrical
domestic
inspections
each 4 years**

Inspections regimes are key



Situation **varies strongly** among MS
Deployment is **limited**
Mainly **voluntary**

When done it proves useful:

Anne Lucet-Dallongeville, La Confédération Nationale du Logement (CNL)

'France has introduced mandatory electrical inspections when selling or renting a dwelling. 2/3 of inspected installations in the last 4 years were faulty or hazardous.'

Let's summarize the situation...



In the EU:

- **25 to 30%** of domestic fires have an electrical source
- **50%** of accidental domestic fires have an electrical source
- **132 millions** of obsolete electrical installation
- **Inspection regimes** are key but not sufficiently deployed

FEEDS advocacy



👉 Bring our data and recommendations to the legislator



Green Deal

👉 At least 55% less net greenhouse gas emissions by 2030,
compared to 1990 levels

Renovation Wave

👉 At least double the annual energy renovation rate by 2030

Fit for 55

👉 A set of proposals to revise and update EU legislation accordingly (Incl. key directives revision)

FEEDS advocacy – our main target



Energy Performance of Buildings Directive

EPBD

 Previous EPBD version includes Fire Safety provisions

FEEDS advocacy – EPBD timeline



EPBD recast

- Final proposal was published by the Commission on **14 December 2021**



- It was transferred to the Parliament for amendment

👉 FEEDS, its members (Incl. **EuroFSA**) and partners take action (Meetings, emails, letters... and critical situation management!)

FEEDS advocacy – EPBD timeline



EPBD recast

- The Parliament's position was endorsed by the plenary on **14 March 2023**
- As result of our advocacy activities **Fire Safety** provisions were included into:
 - **9** articles (**2**, 7, 8, 9a, **10**, 12, 20, **26²**)
 - **4** recitals (**11**, **29**, **33**, **35c**)



FEEDS advocacy – EPBD timeline



Recital 35c

Member States should develop national **electrical inspections regimes** in light of the fact that a high percentage of the domestic and accidental **domestic fires have an electrical source** and in order to ensure that electrical installations are **safe and ready** for new uses aiming to achieve zero-emissions buildings.

FEEDS advocacy – EPBD timeline



EPBD recast

- Trilogue process is ongoing



- 👉 Fire safety provisions are kept at a minimum level
- 👉 Electrical safety in an unfavourable situation

FEEDS advocacy – conclusions



FEEDS, its members and its partners intensively advocate for the highest level of electrical safety in the EU.

We were heard by parliament, we received attentive listening from the Commission, but the Council does not want amendments about electrical safety. We will see what the final outcomes of the debate will be (January 2024 the earliest).

There are still opportunities to act as for the implementation guidelines, **the fight is far from over...**

Thank you for your attention!

Contact us:

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