

Association Promotelec



Presentation of the data of the Promotelec
Observatory: barometer compulsory electric
diagnosis, data of the ONSE

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Key figures & rules of electrical installations in France

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1 – State of the dwelling stock in France

On January 1st 2014, France accounts :

- 33,9 million dwelling
- 58 % of households are owners
- 29 million dwelling are more than 15 years old (individual house and collective building)
- 700 000/year is the estimated number of sales of old dwelling
- 370 000/year is the average of built dwelling

2 – Regulations in the new building

The electrical installation of residential buildings has to comply with the prescriptions of the NF C 15-100 standard current at the time of the application for permit to build.

The NF C 15-100 standard sets strict rules for the electrical installations in dwelling (living-room, kitchen, bedroom, bathroom).

It is the must reference of the professionals. And it takes into account technical progress and growth of the needs for the users, that is why the standard evolves and this is characterized by the publication of amendment; for example the amendment 5 published in June, 2015.

2 – Regulation in the new building

The following headings of this standard must be complied with :

- Protection against the indirect contacts (earth link, earth connector)
- Terminal circuits (lighting, bases of plugs)
- Electric distribution of the dwelling (power supply, technical girdle of the dwelling)
- Identification of circuits and diagrams
- Self-checking (self-checking form) - *New*



2 – Regulation in the new building

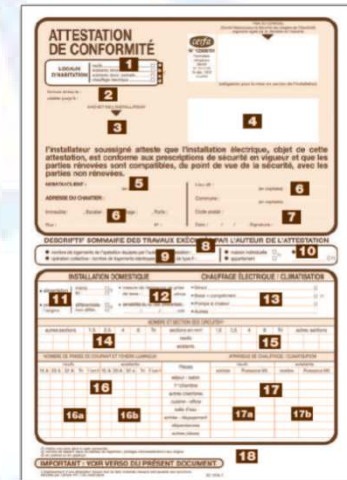
- Latest thing of the NF C 15-100 standard :

The amendment 5 published in June 2015 concern essentially the following evolutions :

- The specific rules bound to the bathroom ;
- The electrical installation and communication facility of dwelling ;
- A self-checking form to be used by contractors.

A written proof of conformity is delivered when the works carried out in the accommodation are over. It is set by the CONSUEL which is the national committee for the safety of the users of the electricity.

This document confirms that the electrical installation complies with the current safety regulations (NF C 15-100).



3 – Regulation in the renovation (old)

- No obligation of putting in conformity an old electrical installation with the current standards. Consequently, no obligation to comply with the NF C15-100 standard.
- On the other hand in case of sale a state of the installation of electricity, when this installation was performed for more than fifteen years, is provided in order to estimate the risks which can undermine the safety of the people : it is the compulsory electric diagnosis "DEO“.

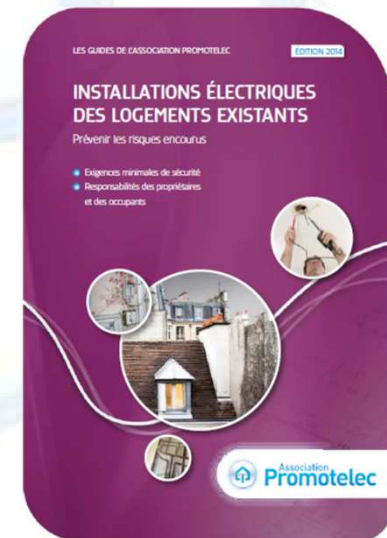
4- Presentation of the compulsory electric diagnosis

Compulsory electric diagnosis **in case of sale**

It aims at estimating the risks which can undermine the safety of the people.

And it is based upon "the 6 minimal safety requirements" which is the technical reference table of the association Promotelec.

Valid since January 1st, 2009



4- Presentation of the compulsory electric diagnosis

The DEO report is the result of the verification of the state of an electrical installation based upon « the 6 minimal safety requirements» hereunder :



1 Presence of a general device of command and of protection of the installation, easy to reach



2 Presence, at the origin of the installation, of at least a device of differential protection of sensibility suited in the conditions of connecting to the earth



3 Presence, on every circuit, of at least a device of protection against the overload adapted to the section of the conductors

4- Presentation of the compulsory electric diagnosis



4 Presence of an equipotential connection and compliance with the rules bound to the areas in every premises containing a bathtub or a shower



5 Absence of any risk of direct contact with elements under voltage and of any obsolete equipment or unsuitable for the use



6 Conductors protected by pipes, moldings or baseboards with isolating material

5 – Survey and study on the compulsory electric diagnosis

The observatory set up by PROMOTELEC handles subjects connected to the comfort the first link of which is the electric safety of the installation.

- The DEO Study is a quantitative analysis of reports performed during the sale of dwelling (sample of 5 000 reports)
Main dysfunctions : 81 % for the earth connection ; between 45 to 60 % for the dysfunctions in the bathroom, the direct contacts and the obsolete equipment.
- The DEO Survey is a qualitative analysis performed with the new buyers (sample of 500 owners) ; **92%** of buyers read it and **96%** perform the works.

5 - Survey and study on the compulsory electric diagnosis

With regard to the efficiency of the DEO in the sale, a compulsory electric diagnosis in case of rent is going to be set up.

The law of March, 2014 specifies that a file of technical diagnosis, supplied by the renter, is appended to the rental agreement during its signature or during its renewal and includes a state of the installation of electricity.

Towards an obligation of the works ?

Besides the starting date of implementation of this measure, the expected decree will have to specify the modalities of its implementation.

Coming into force planned in 2016

6 – Presentation and ONSE data

Both associations Promotelec and Consuel co-lead the national observatory of the electric safety - ONSE.

The aim is to centralize and to enrich the statistics regarding fires and regarding accidents of electric origin to help rules orientation. And these data are then shared outside.

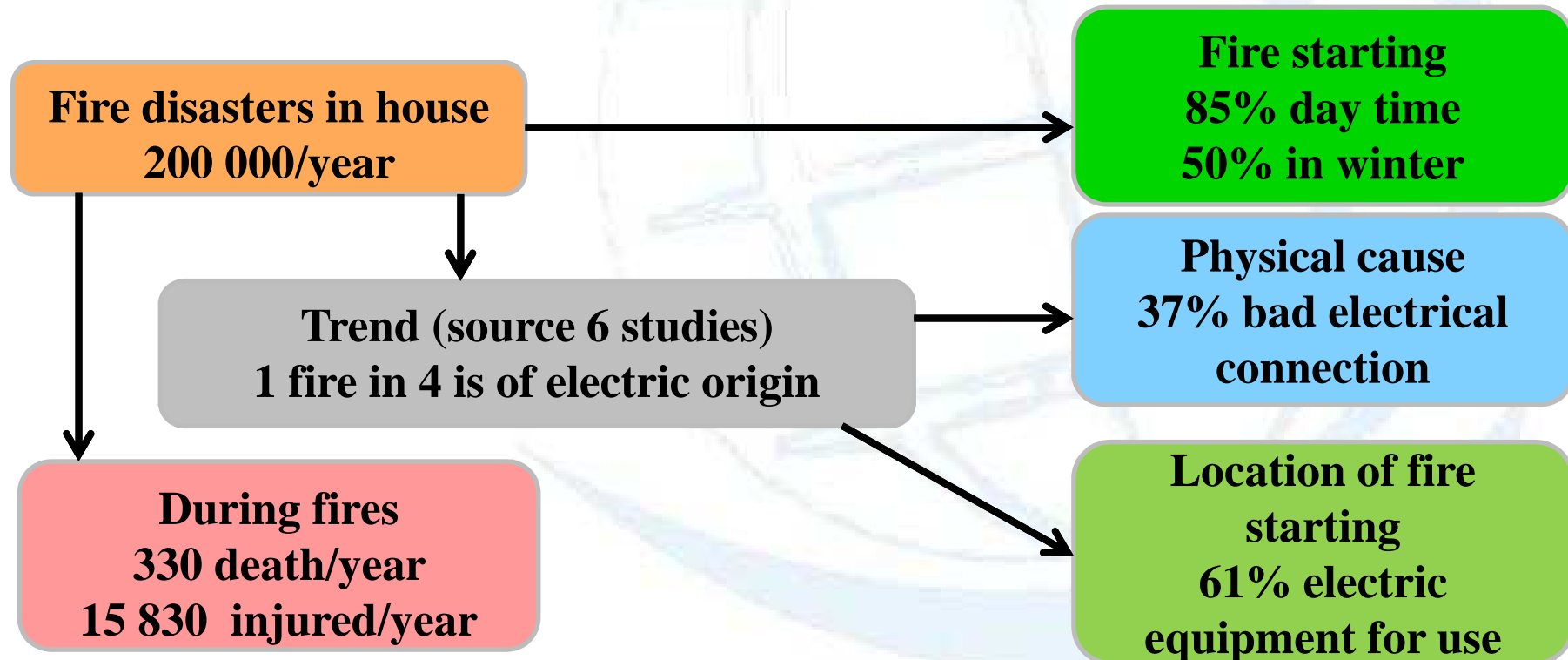
6 – Presentation and ONSE data

The working group includes in particular ministries, fire brigades, insurers, consumers, experts and all the main players of the electric sector.

 MINISTÈRE DE L'ÉCOLOGIE, DU DÉVELOPPEMENT DURABLE ET DE L'ÉNERGIE	 MINISTÈRE DU TRAVAIL, DE L'EMPLOI ET DU DIALOGUE SOCIAL						
							
							
							

6 – Presentation and ONSE data

Several authorities each led statistical studies regarding fire and regarding accident connected to the fire from clean panels. Therefore, these figures cannot be correlated easily but they allow to release a trend.



THANK YOU

MERCI - 감사합니다

