

ACT NOW

- By taking part in our workshops
- By contributing to the functioning of the structure
 - By sharing data with the Observatory
 - By attending the next restitution of data



























































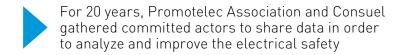


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FRENCH NATIONAL OBSERVATORY OF ELECTRICAL SAFETY





Nowadays, many electrical damages are still due to electrical source



DWELLING FIRES/YEAR



200,000 dwelling fires

responsible for

300 fatalities and 15,600 injuries among them



82,000

fires with brigade interventions



50,000

fires due to electrical source:

- **61%** related to electrical equipment
- **36%** related to fix or mobile installations
- 3% related to installations in common parts or to energy distribution

ELECTRICAL ACCIDENTS/YEAR



3,000 people

electrification casualties

40 people

electrocution casualties

ELECTRICAL DAMAGES/YEAR



400,000

Due to:

- lightning, overvoltage, overload,
- · heating,
- failure of a component,
- electric default

ECONOMICAL CONSEQUENCES/YEAR



For dwelling fires, estimated to **4,2 billion** € of which **1 billion** € for fires due to electrical source For electrical damages and accidents estimated close to 1,6 billion €

KEY DATA

METROPOLITAN FRANCE IN 2015

35 million dwellings among which

29 million over 15 years

DWELLINGS with electrical installations over 15 years

2/3 of the electrical installations do not comply with at least 1 of 6 mandatory safety points*

- 80% with a defective earth connection
- 60% with a bad equipotential connection and a safety zone of the bathroom not respected
- 60% present risks of direct contacts with live elements
- •50% own obsolete devices

COMMON PARTS: electrical installations

- 75% present hazards of direct contacts with live elements
- 50% present hazards of indirect contacts with live elements

*Decree N° 2008-384 of 22-04-2008



In 41 years, the number of electrocutions/year was divided by 5, going from 200 to 40



Thanks to the evolution of the regulations:

- Decrees on the protection of the workers in 1962
- The NF C 15-100 standard and the earth connection in 1969
- The electrical switchboard in 1980
- The 30mA earth leakage device in 1991
- The mandatory electrical diagnosis (DEO) for over 15 years dwelling sale in 2009
- The DEO for dwelling rental from 2017



Direct correlation between regulation and decrease of the accidents