

# World Safety Barometer

Benoît Dôme  
benoit.dome@gmail.com

## Agenda

1. Objectives
2. Criteria and weighing
3. Contributions
4. National safety report
5. Regional level
6. News

## Objectives

- Defining 13 criteria to ensure electrical safety for residential users
- Agreement on weighting these criteria
- Benchmarking countries & regions by national experts leading to a national safety score
- Checklist / gap analysis for countries to improve regulation on electrical safety

## Criteria and weighing

### Criteria

	<u>Weight</u>
1. Standards & rules in place	10
2. Requirement for initial inspection	10
3. Requirement for periodic inspection	7.5
4. Proof of inspection through inspection report	5
5. Mechanism to inspect existing installations	10
6. Qualification of inspectors	7.5

## Criteria and weighing

<u>Criteria</u>	<u>Weight</u>
7. Qualification of contractors	5
8. Active role of utilities	10
9. Consumer education	5
10. Regulation imposing standards & initial verification	5
11. Product labelling	5
12. Active role of manufacturers	5
13. Adequate market surveillance	15

## Contribution

- Experts submit a request to complete the barometer for a specific country or more
- After confirmation by a moderator, they receive an invitation by a moderator to complete the questionnaire with 13 criteria

## Contributions

After confirmation by a moderator, they receive an invitation by a moderator to complete the questionnaire with 13 criteria  
An expert evaluates the answers and classifies the answers as:

- Situation unknown (score 0)
- Criteria not fulfilled (0)
- Criteria partially fulfilled (0.5)
- Criteria fulfilled (1)

# National safety report

Allows country to benchmark itself against other countries & region

Allows definition of an action plan for improvement

Cu Copper Alliance  
Safety Barometer

**Country report for Norway** **79%**

Criteria	Question	Weight	Score
Standards & rules	Are standards and rules in place?	10	Fulfilled
Answer: Yes. The national wiring regulation (fel) refers to the Norwegian standard NEK 400 (based upon CENELEC HD 384/60364) as one way to fulfil the regulation.			
Initial verification	Is an initial inspection required?	10	Fulfilled
Answer: Yes, usually performed by the electrician/installer			
Periodic inspection	Is a periodic inspection required?	7.5	Partially fulfilled
Answer: No, but it is recommended according to NEK 400-6-62. The standard recommends intervals from 4 to 10 years depending on the type and complexity of the installation.			
Inspection report	Must there be proof of the inspection by the delivery of an inspection report?	5	Fulfilled
Answer: Yes. The report itself is the proof			
Inspection for existing installations	Is there a mechanism for inspection of existing installations?	10	Fulfilled
Answer: The authorities through the local electricity supervision, shall supervise electrical installations every 10 years or so.			
Inspector	Must the person carrying out the inspection be a qualified inspector?	7.5	Not met
Answer: No			
Electrical contractor or installer	Must the electrical contractor or installer be a qualified person?	5	Fulfilled
Answer: Yes, after being approved by the authorities they have to pass a comprehensive test.			



## Regional level



Symposium Fisuel – Maroc – 11 & 12 Mai 2016

Fisuel Symposium – Morocco – 11th & 12th of May, 2016

## News

1. Management by Fisuel
2. Integration to the website (open, members)
3. Translation of the questions in UK and FR
4. Extension to region eg New Caledonia/ US
4. Update (1 or 2 years), validation Fisuel
5. New countries, via AIE, Eurelectric, Equipment Manufacturers  
(at this times 40 countries / 2/3 world population)
6. Development for nondomestic

**THANK YOU**

**MERCI**



Symposium Fisuel – Maroc – 11 & 12 Mai 2016

Fisuel Symposium – Morocco – 11th & 12th of May, 2016