

Questionnaire to estimate the level (%) of the Safety of Users of Electricity in Dwellings in Countries

The Electrical Safety Barometer consists of 13 essential criteria. Each of these criteria has a weighting factor to enable the calculation of a general score for each country. Both FISUEL and world experts endorse these criteria and the weighting factors. With the assistance of local experts, we are applying the barometer in an increasing number of countries.

Explanation of the 13 major criteria go to -->

<https://www.safetybarometer.org/criteria/>

Enter a number of the following criteria (1, 2, 3 or 4) in the yellow cells "column criteria"

4 = Fulfilled Criteria : existing criteria in your country (score 100%)
3 = Partially fulfilled Criteria : part of the criteria existing in your country (score 50%)
2 = Not met Criteria : criteria known but unapplied (score 10%)
1 = Unknown Criteria : criteria inexistent (score 0%)

Number of
criteria

4 - Fulfilled

3 - Partially

2 - Unapplied

1 - Unknown

Level of Electrical Safety in Dwellings

7

5

1

0

76%

Criteria

Question

Weight

Criteria

Score

1- Standards & rules

Are standards and rules in place?

10

4

10%

Comments : Yes, in SS 436 40 00 version 4 and handbook 444 version 4

2- Initial verification

Is an initial inspection required?

10

3

5%

Comments : Yes it is regulated in Swedish Electrical safety Act §24 and in the Electrical Safety boards regulation ELSÄK-FS 2017:3

3- Periodic inspection

Is a periodic inspection required?

7,5

3

4%

Comments : Yes it is regulated in the Electrical Safety boards regulation ELSÄK-FS 2022:3

4- Inspection report

Must there be proof of the inspection by the delivery of an inspection report?

5

4

5%

Comments : Yes, the inspection must be documented except for homes

5- Inspection for existing
installations

Is there a mechanism for inspection of existing
installations?

10

3

5%

Comments : Yes and no, regulated in the Electrical Safety boards regulation ELSÄK-FS 2022:3

6- Inspector

Must the person carrying out the inspection be a qualified
inspector?

7,5

3

4%

Comments : No, It is regulated in the Electrical Safety boards regulation ELSÄK-FS 2022:3

7- Electrical contractor or installer	Must the electrical contractor or installer be a qualified person?	5	4	5%
Comments : No, the company must be authorized for Electrical installation. The installer must be instructed and have sufficient knowledge.				
8- Role of utilities	Does the electric utility only connect the installation after having received a positive inspection report?	10	4	10%
Comments : No, the installer himself checks before commissioning				
9- Consumer education	Are consumers educated on the dangers of electricity?	5	3	3%
Comments : No				
10- Regulation	Is regulation in place that imposes standards for electrical installations and initial verification?	5	4	5%
Comments : Yes, it is regulated in the Electrical Safety boards regulation ELSÄK-FS 2022:1				
11- Labelling and certification	Are products in the market adequately labeled for electrical safety, and is this labeling system understood?	5	4	5%
Comments : Yes				
12- Role of manufacturers	Do manufacturers actively engage for electrical safety in the marketplace?	5	2	1%
Comments : We don't see that				
13- Market surveillance	Is there adequate action on market surveillance from the authorities?	15	4	15%
Comments : Yes				

		Europe
Classification	Criteria	Sweden
1	1- Standards & rules	4
2	2- Initial verification	3
3	3- Periodic inspection	3
4	4- Inspection report	4
5	5- Inspection for existing instal	3
6	6- Inspector	3
7	7- Electrical contractor or insta	4
8	8- Role of utilities	4
9	9- Consumer education	3
10	10- Regulation	4
11	11- Labelling and certification	4
12	12- Role of manufacturers	2
13	13- Market surveillance	4

