

Section 1

05 World Safety Barometer

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AGENDA

1. WSB Residential
2. WSB Non-residential
3. Presentation WG
4. Discussion & Questions

1. Residential

Transfer to FISUEL website OK
new logo
@ home change countries, regions, criteria, **partners**

Working :
go to the site
<http://www.safetybarometer.org/contribute>
questionnaire (printable) as information/preparation
Name, Email, Organisation, ...
You will receive an email (from the administrator)
Reply to the questionnaire
Received by the administrator for approval

1. Residential

[About the Initiative](#)[Barometer](#)[Contribute](#)[Partners](#)[Criteria ▼](#)[Contact](#)

Improving electrical safety regulations

Home electricity is very safe, if used in the appropriate manner. Unfortunately, this is not common practice in the majority of countries. The result is an unnecessary risk for electrically induced fires and electrocution. This project aims to raise awareness about these issues and demonstrate how policy and regulation can bring about a change. It is an initiative of the Copper Alliance, with the support of FISUEL and a worldwide network of experts.

The Electrical Safety Barometer

The level of residential electrical safety differs greatly between countries. However, before taking action, it is essential to understand and fully appreciate the gaps in current regulations and practice. The Electrical Safety Barometer aims to provide a benchmark to policy makers as well as guidance on how they can improve the situation.

13 major criteria

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.

Latest country scores



1. Residential

Changes:

Date of the last review

Video to explain how to contribute

Regions, Countries, Sub regions

Explain the % (not a competition)

not only IEC (US zone)

1. Residential

Promotion:

- FISUEL members (please use also your knowledge for other countries or ask relation to contribute)
- Specific actions from the WG
- via FEEDS WG2, new questionnaire and contribution from TC 64 members, after receiving the responses, update of the barometer changing the criteria
- direct contact US, Canada & Turkey

2. Non-residential :

Criteria:

1. Design of installation
2. Control of installation
3. Safety of components in installation
4. Risks prevention

Criteria:

1. Design of installation (30%)

National Installation Standard in line with last edition of IEC/HD 60364		30	90
Protection against Electric shocks (presence of PE conductor, use one of the safety measures for electric shocks, use of 30 mA RCDs for circuits supplying socket-outlets)		15	45
Protection against arcs and thermal effects (Use of 300 mA RCDs, Installation of Arc Fault Detection Devices, use of fire resistant cables for vital circuits, smoke extraction)		15	45
Protection against overcurrents by circuit-breakers or fuses in line with the characteristics of the conductors		15	45
Protection against overvoltages by surge protective devices		10	30
Use of electrical components in compliance with their relevant standards and certified		15	45

Criteria:

2. Control of the installation (30%)

Initial inspection before commissioning and power		40	120
Periodic inspection		40	120
Infrared inspection		5	15
Training and empowerment of the maintenance team		10	30
Staff training		5	15

Criteria:

3. Safety of components in installation (30%)

Counterfeiting / Non compliant products		10	30
Association against counterfeiting / Non compliant products		20	60
Check compliance during inspections		15	45
Access to technical records by inspectors		15	45
Responsible for the import of non-compliant product		10	30
Components with third party certification or comply to Conformity Mark		30	90

Criteria:

4. Risk Prevention (10%)

Role of insurance		25	25
Fire data collection		25	25
Inspection reports collection		25	25
Risk management plan		25	25

2. Non-residential :

Type of building (33)

Type of building
Home for elderly and disabled (nb of resident to be considered)
Auditorium, conference hall, meeting room, performance room, movie theater
Retail establishment, shopping centre (mall)
Restaurant, café (max 200p)
Hotel, boarding house (nb of resident to be considered)
Dance hall, games room and night club up to 100P
Education center up to 16y
Education center below 16y
Library, documentation centre & archive consultation
Exposition hall (commercial)
Care facility
Church and other religious building
Administration, bank, post offices, town hall, courthouse
Indoor sports building
Museum
Station with public access & airports
EOP in small and medium buildings
EOP in large buildings: R + 3
EOP in building HRB
Craft or commercial activities in traditional building
Craft or commercial activities in timber (or flame spread materials) building
Care activities in traditional building
Care activities in timber (or flame spread materials) building
Wholesale & logistic in traditional building
Wholesale & logistic in timber (or flame spread materials) building
Farms & agricultural exploitation
Law enforcement agencies and penitentiaries
Police station
Jail
HRB dwelling place (H>50m)
HRB hotel (H>28m)
HRB education (H>28m)
HRB archives (H>28m)
HRB care (H>28m)
HRB offices (H>28m)
HRB offices (H>50m)

2. Non-residential :

Type of building (33)

Type de batiment
Structures d'accueil pour personnes âgées et personnes handicapées. prendre en consideration le nb de residents.
Salles à usage d'auditions, conférences, réunions, spectacles, à usages multiples y compris cinema
Magasins, centres commerciaux
Restaurants et débits de boissons jusqu' à 200P.
Hôtels et pensions de familles. prendre en consideration le nb de residents.
Salles de danse, salles de jeux et nightclub jusqu'à 100P.
Etablissements d'enseignement collegue lycée, université , colonies de vacances BA1
Etablissements d'enseignement primaire , CRECHES BA2
Bibliothèques, centres de documentation et de consultation d'archives
Salles d'expositions à vocation commerciale
Etablissements sanitaires, cliniques, hôpitaux
Etablissements de culte
Administrations, banques, bureaux, postes, mairies, préfectures, tribunaux
Etablissements sportifs couverts
Musées
Gares accessibles au public & Aéroports
ERT dans batiments de petite & moyenne taille
ERT dans batiments étendus de petite hauteur : R+3
ERT dans batiments IGH
Activités artisanales et/ou commerciales dans bâtiments non ERP non IGH. Constuction traditionnelle
Activités artisanales et/ou commerciales dans bâtiments non ERP non IGH. Constuction bois et/ou structures propagatrices de l'incendie CA2/CB2
Activités médicales (cabinets médicaux, laboratoires, centres de soins, etc... dans bâtiments non IGH, non ERP. Constuction traditionnelle
Activités médicales (cabinets médicaux, laboratoires, centres de soins, etc... . dans bâtiments non IGH, non ERP Constuction bois et/ou structures propagatrices de l'incendie CA2/CB2
Stockage & logistique dans bâtiments en constuction traditionnelle
Stockage et logistique dans bâtiments en constuction bois et/ou structures propagatrices de l'incendie CA2/CB2
Exploitations agricoles
Etablissements de maintien de l'ordre et pénitenciers
Commisariats, Gendarmeries
Prisons
IGH à usage d'habitation (H > 50 m)
IGH à usage d'hôtel (H > 28 m) ;
IGH à usage d'enseignement (H > 28 m) ;
IGH à usage d'archives (H > 28 m)
IGH à usage de soins (H > 28 m)
IGH à usage de bureaux (H > 28 m) :
IGH à usage de bureaux (H > 50m) :

2. Non-residential :

will be included in the WSBR
we will have one barometer
estimated cost 4000€

Special thanks to Jean-François REY and Mulianto GULTOM

AGENDA

3. Presentation of the WG

AGENDA

4. Discussion & Questions