



Innovons pour la sécurité électrique

Conformity of Electrical Installations in Residential

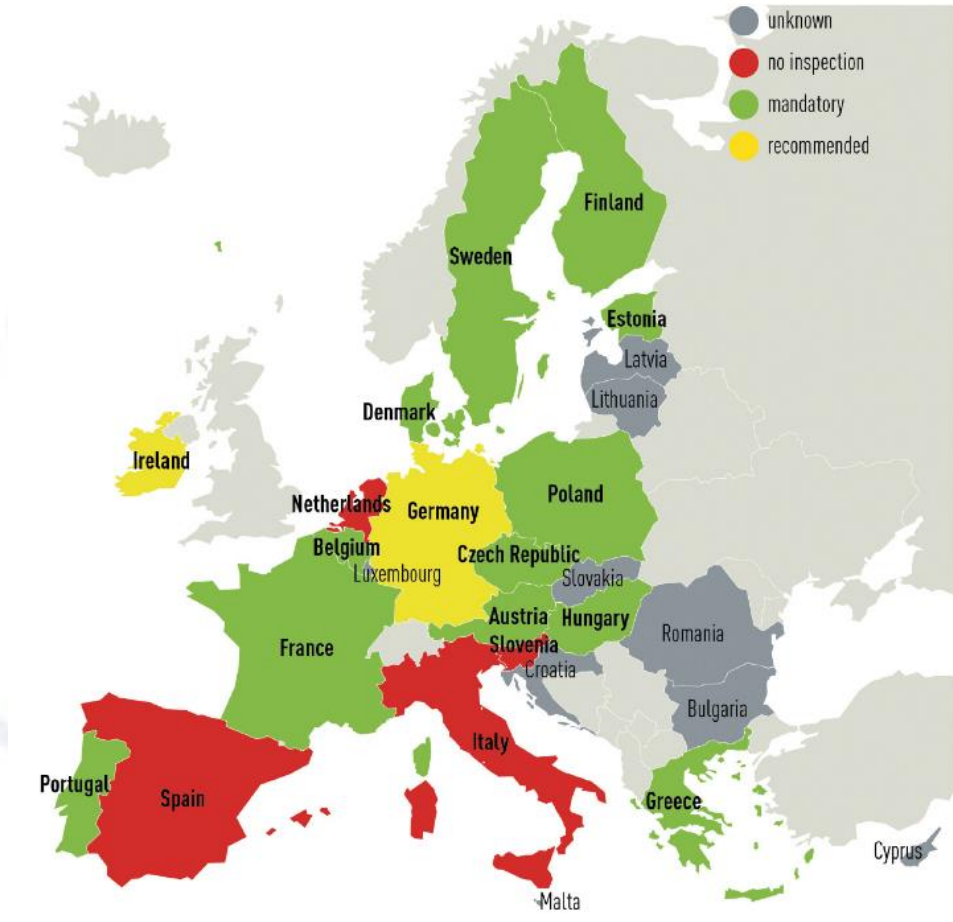
Initial and periodic inspections
for new and existing buildings
in Europe

Marc Maslowski

First session

Orientation 1 - Electrical safety in Residential

- Initial inspections in new residential premises (source feeds)



First session

Orientation 1 - Electrical safety in Residential premises

- Situation of initial inspections in new premises
 - Mandatory :Austria, Belgium,Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Poland, Portugal
 - Recommended: Ireland, Germany
 - Without: Italy, Spain, Netherland

First session

Orientation 1 - Electrical safety in Residential premises

- Who is in charge of this inspection ?
 - Electrical contractors (IEC 364 – 6)
 - Neutral third-party organization (accredited bodies)
 - Certified persons

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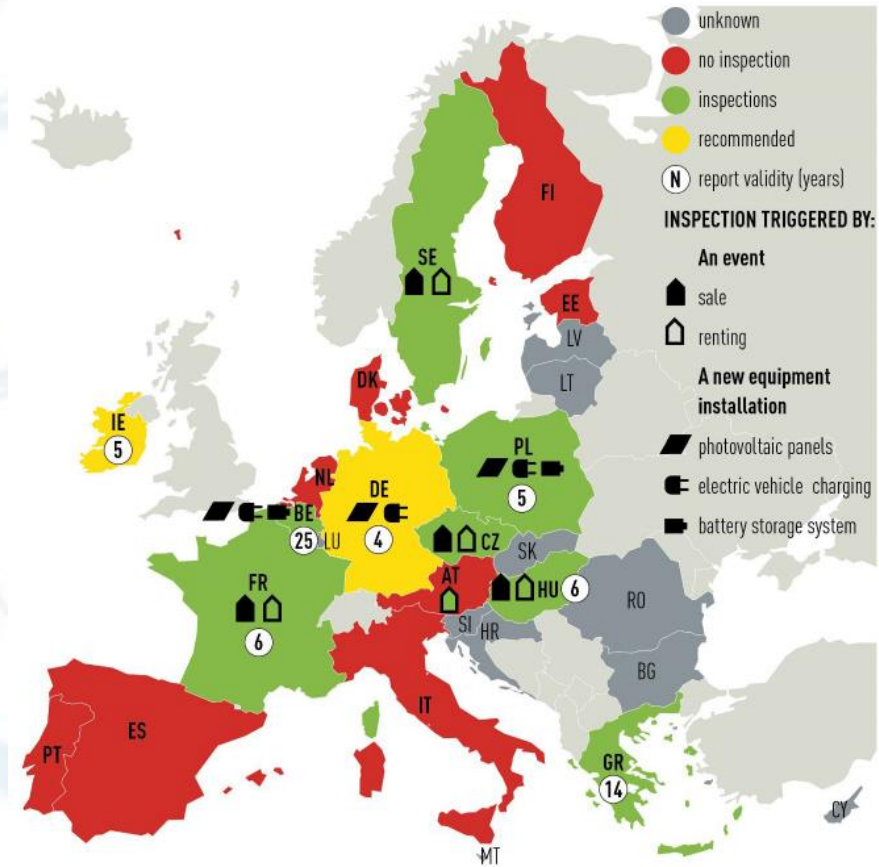
Orientation 1 - Electrical safety in Residential premises

- Based on Which technical standard?
 - IEC 364
 - National standard based on International standard

First session

Orientation 1 - Electrical safety in Residential

- inspections in
existing residential
premises (source feeds)



First session

Orientation 1 - Electrical safety in Residential

- Situation of initial or periodic inspections in existing residential premises
 - Mandatory : Belgium, Czech Republic, France, Greece, Hungary, Poland
 - Recommended: Ireland, Germany
 - Without: Italy, Spain, Portugal, Netherland, Denmark, Finland, Estonia, Austria

First session

Orientation 1 - Electrical safety in Residential

- Who is in charge of this inspection ?
 - Electrical contractors (IEC 364 – 6)
 - Neutral third-party organization (accredited bodies)
 - Diagnostosers
 - Certified persons

First session

Orientation 1 - Electrical safety in Residential

- Based on Which technical standard?
 - IEC 364
 - National standard based on International standard
 - Specific electrical safety rules

First session

Orientation 1 - Electrical safety in Residential

- Situation of periodic inspections in existing residential premises
 - Different periodicity from 4 to 25 years:
 - Renting , selling
 - 5 major technical items concerned (not everywhere applied)
 - Emergency supply cutoff
 - RCD trip setting in relation with earth resistance value
 - Fuses or MCB rating according the CSA of conductors
 - Conformity of bathroom safety volumes
 - Removal of any direct contact risk (old or broken appliances)
 - Introduction of additional items concerning new equipment (PV, EVCI, Batteries,...)