

Fact-sheet – How to ensure the safety of electrical equipment?



What is the objective?

Why should the factory ensure the safety of all electrical equipment? The facility should protect the workers, premises and goods against **electrical hazards** such as fire / or electrocution / or electrical shock to avoid the risk of accidents related to electrical equipment. The factory should have identified this risk in the risk assessment.

The factory should implement a system to systematically:

- ❖ **Identify** the electrical equipment in the factory and **all the electrical risks** related to these equipment;
- ❖ **Create** procedures and policies about electrical safety;
- ❖ Provide **preventive and protective** measures;
- ❖ **Train** workers on electrical safety;
- ❖ Conduct **regular inspections** of the electrical equipment (internally and externally).



How to achieve the objective?

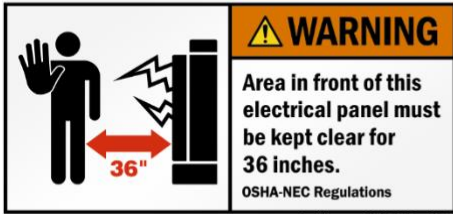
❖ **How to avoid electrical accidents and ensure the electrical safety?**



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❖ Example of preventive measures

Labelling of electrical panels with a warning sign such as “Warning” or “High voltage” and having connections between each wire.



❖ Example of inspection checklist:

Date of the inspection		DD/MM/YYYY	
Responsible in charge		Mr. XXX Electrical Safety manager	
What to check?	Status	Action to do	Due date
All electrical panel labelled	Electrical panel 23 of B#2 F#2 is not protected	Provide protection to panel 23	DD/MM/YYY
Wire connections are correct	One wire of electrical panel number 134 was not properly connected	Review the connection of panel number 134	DD/MM/YYYY
Workers are wearing appropriate PPE	One worker was found with wet clothes	Review the training and make a refreshment to workers that they should not wear wet clothes	DD/MM/YYYY
Electrical panel not obstructed	Electrical panel 31 of B#1 F#2 was found obstructed with flammable goods	Remove the flammable goods and ensure all workers are aware not to put such flammable material in front of the panel	DD/MM/YYYY

Common non-compliances

Non-compliances	Comment
Electrical equipment is obstructed with flammable material 	Based on factory tour, some finished good cartons were found in front of the electrical panel. Based on factory tour, some chemicals were found in front of the electrical panel. There is a risk of fire related to the flammable material when they are stored temporarily or permanently in front of electrical panels.

Good practices

- Ask an external third party to conduct on a regular basis a **safety audit** to identify the hazard related to electrical equipment and implement the actions provided in the related audit.