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## Periodic Test & Inspection

(including PAT Testing)

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Electrical installations will deteriorate with use and over time. Therefore it is vital that your systems and installations are regularly inspected and tested by a suitably competent organisation, so ensuring safety compliance.

### Why it's important

In addition to safety requirements there is a legal requirement that owners/operators of electrical installations and equipment must comply with.

*Regulation 4(2) of the Electricity at Work Regulations 1989 requires that:*

*"As may be necessary to prevent danger, all systems shall be maintained so as to prevent so far as reasonably practicable, such danger."*

### What should you do?

One way to comply with the regulations is to implement regular inspection and testing programs combined with a pro-active maintenance regime. These actions may provide the only effective evidence for the person responsible for the safety of an electrical installation, should they be prosecuted.

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# Ensuring peace of mind

## What happens if you don't

You could be prosecuted under the Electricity at Work Regulations 1989. However, correctly compiled certificates and reports offer:

- a record of your involvement and responsibility
- demonstrate necessary inspection & testing has been carried out
- can be significant in providing you with a defence under the Electricity at Work Regulations

## When is it needed?

*For guidance purposes, the 17th Edition recommends:*

### Electrical Installations

Emergency lighting and fire alarms	1 year
Special locations e.g. swimming pools	1 year
Places open to the public	3 to 5 years
Industrial facilities	3 years
Commercial buildings	Change of occupancy / 5 years
Residential accommodation	5 years
Domestic environment	Change of occupancy / 10 years

### PAT Testing

Industrial facilities/workshops	6 months
Commercial (normal usage)	12 months
Commercial (low risk)	2 years or more

## How can Quartzelec help?

Quartzelec offers peace of mind ensuring your electrical installations meet the latest regulations, carrying out all necessary testing and remedial work, eliminating Code 1 defects:

- Periodic inspection, testing and supporting remedial repair work
- Electrical installation testing
- Portable appliance testing (PAT Testing)
- Thermal imaging
- Testing of all fixed electrical equipment and appliances
- Fire alarm testing
- Emergency lighting testing



Quartzelec have skilled operatives who are trained to City & Guilds 2391 Inspection & Testing. Our electricians are trained to BS7671:2008 (17th Edition) and hold the City & Guilds 500/3451 certificate.

## Who we've done it for

- Falkirk Council
- British Telecom
- ScottishPower
- Core Utilities Ltd
- Liverpool University
- Housing 21
- West Coast Traincare Ltd
- Lancashire County Property Group
- BBC Workplace
- United Utilities

