

Regulatory Requirements

(Stat & Non-Stat (Elec))

Statutory Regulations

- **The following regulations have been passed as statutory regulations and as such must be obeyed. They are as such mandatory.**
- **Health & Safety at Work Act 1974** (Has wide use in the industry and when undertaking inspection & testing you have specific duties for the safety of yourself and others under this act).
- **Electricity Safety, Quality & Continuity Regulations 2002** (These regs specify power quality and supply continuity requirements to ensure an efficient and economic supply for customers)

Statutory Regs cont'd

- **Electricity at Work Reg's 1989** (consists of a series of regulations some absolute some reasonably practical. Every employer or self employed person has a duty to conform to these mandatory regulations. The level of responsibility you hold to make sure the regulations are met depends on the amount of control you have over electrical safety in any particular situation).
- In terms of carrying out inspection and testing on an installation your title in law is that of '**Duty Holder**' since you will typically exercise full control over the installation under test.
- Your legal status must be that of '**Competent Person**'.

Non-Statutory Regulations

- **IEE Wiring Regulations (BS7671:2008)**
- These regulations represent a good practice document and are a standard towards which the industry should carry out their work in the field. However, despite the 'non-mandatory' nature of BS7671 it is backed by the EAWR 1989 and an electrical installation which complies with the current edition of the IEE Wiring Regulations is viewed by the HSE as likely to achieve conformity with the relevant parts of EAWR 1989.
- Since BS7671 falls into the area of being 'non-statutory', it follows that supportive booklets such as the **On Site Guide** and **Guidance Note 3** are similar non-mandatory documents.

General Requirements for Inspection & Testing

- Reg 610.1 (BS7671:2008) States:-
- Every installation shall, during erection and on completion before being put into service, be inspected and tested to verify, so far as is reasonably practicable, that the requirements of the regulations have been met.
- This is backed up by EAWR regulation 4 which states:
- All electrical systems shall be constructed and maintained to prevent danger.

General Requirements cont'd

- The reason for an inspection and test therefore is to verify that the installation complies with the regulations with regard to its design and construction.
- Similarly regulation 610.4 states:-
- For an addition or alteration to an existing installation, it shall be verified that the addition or alteration complies with the regulations and does not impair the safety of the existing installation.
- And Regulation 621.1 states:-
- Where required, periodic inspection and testing of every electrical installation shall be carried out in accordance with regulations 621.2 to 621.5.

Senses

- It is important to realise that when undertaking the inspection process the senses used to make informed judgements regarding the condition of the installation are those of:
 - Sight
 - Touch
 - Smell