

Functional supply points (FSPs)

1 'F' Examination

1.1 Location Cabinet

- a) Check for satisfactory condition and security.
- b) Clear vegetation from around the base and vicinity.
- c) Check identification and warning signs and yellow external band for presence, satisfactory condition and security.
- d) Personnel Barriers: check condition and security.
- e) Anti-vermin Barriers: check condition and security.
- f) Check that 'as-fitted' equipment aligns with schematic drawing.
- g) Check that the periodic 'electrical inspection/testing' label is clearly displayed and in date.
- h) Clear cabinet and switches etc. from dust and debris.

1.2 Switches

- a) Check for correct operation and interlock.
- b) Check switch blades for signs of overheating or burning.
- c) Check insulating barriers for presence and security.

1.3 Fuses

- a) Check for correct rating and date stamping. Replace if the service life has exceeded.
- b) Check the fuse-carrier blades for signs of overheating or burning.

1.4 Cables

- a) Check cables within the cabinet for signs of physical damage, corrosion or overheating etc.
- b) Check terminations for security and tightness.

1.5 Transformers

Check for satisfactory condition and security.

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1.6 Earthing/bonding system

- a) Check earth conductors for satisfactory condition and security.
- b) Check equipotential bonding is present, in good condition, and secure.
- c) Check earth electrode inspection pit covers for satisfactory condition and security.
- d) Check earth conductor to earth electrode terminations for satisfactory condition and security.
- e) Measure and record earth electrode resistance value.
- f) Record 'initial' earth electrode resistance value.

1.7 Protection-operated indication system (where fitted)

- a) Carry out a lamp test.
- b) Confirm operation of the remote alarm.

2 'I' Examination

2.1 BS7671 Periodic Electrical Inspection and Testing

- a) Carry out periodic 'electrical inspection/testing'.
- b) Attach labelling to main switchgear of installation to clearly display the 'date of next electrical inspection'.
- c) Test may be advanced due to outcome of previous test.

2.2 Cable Insulation

- a) Measure resistance of cable insulation where installation over 10 years old. Record core-to-core, core-to-earth and continuity.

End