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## Risk Element

- Exposure to the danger of electrical shock;
- Eye injury;
- Burn injury (Electrical);
- Danger to third parties.

## Precautions to Eliminate and Reduce Risk

- Use of proper test equipment suitable maintained;
- Second person present if risk assessment requires;
- Wear correct PPE;
- Effectively cordon off working area and post warning notices.

## Safe Working Method

**NOTE: Reference should be made to the I.E.E. Regulations (BS 7671) and the Electricity at Work Regulation 1989 before implementing these procedures.**

- Contact customer's management to gain permission and to advise of work to be carried out;
- Where required complete Permit to Work and adhere to any rules printed thereon, over and above these procedures;
- All Health & Safety rules must be obeyed;
- Arrange for isolation of any plant alarms, i.e. if they are likely to be affected by the isolation requirement;
- Cordon off area within which work is being carried out to prevent the entrance of unauthorised personnel, should "live testing", be a requirement;
- Ensure adequate access to Isolator has been provided;
- Ensure that by isolating any equipment 'danger' is not caused to others as a result;
- Ensure that any tools required for the task in hand are in good condition and suitable for the purpose;
- After isolating has been carried out checks should be made using single purpose mains tester to establish equipment has been disconnected properly (The test equipment in question must comply with Health & Safety Regulation guidelines);
- Prior to testing, mains testers should be tried on a known "live" circuit to establish correct working;
- To allow safe working, isolators when switched off should be 'locked off' and suitably labelled. If the removal of fuse links is the only available safe method of isolation, then personnel must ensure that the links stay in their possession until the work is completed;
- On completion of works, personnel must ensure that any shields or protection guards removed from isolator during any repairs are replaced in a correct manner;
- On completion of work check all items isolated are operating and warning notices are removed;
- Ensure work area is clear of any obsolete equipment, fuses, contractors, etc.;
- Complete Permit to Work if required.