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## Risk Element

- Electrocution;
- Electric Shock;
- Flash Burns;
- Fire;
- Explosion

## Precautions to Eliminate/reduce Risk

- Competent experienced personnel only;
- Suitable insulated barriers/screens;
- Fully insulated mats/tools and test probes;
- Insulated gloves where necessary;
- Restricted access to specific areas (adequately signed);
- Accompaniment of another person (if the presence could contribute to safety);
- Effective control of the area to control danger from live conductors;
- Safe system of work (permits to work);
- Satisfactory working space.

## Action in an Emergency

- Switch off and isolate electrical supply;
- Remove injured person(s) from danger area (if without risk);
- Render first aid;
- Call emergency services.

## Safe Working Method

**NOTE: Reference should be made to the I.E.E. Regulations (BS7671) and the Electricity at Work Regulations 1989 before implementing these procedures.**

- Complete permit to work where required and adhere to any rules printed thereon over and above these procedures;
- Be familiar with the system and obtain all necessary drawings before commencement of any work;
- Ensure that there is adequate access and working space around the equipment on which you are to work;
- Cordon off the area in which you are to work to keep out unauthorised personnel at a safe distance. (Display appropriate signs);
- Ensure that an insulated mat is available and in position for use;
- Ensure all tooling and test equipment to be used is fully insulated against all possible voltages, which may be encountered;
- Fit insulated barriers/covers where possible and where appropriate to minimise all possible exposure;
- Be accompanied by another person or persons if the presence of such person or persons could contribute significantly to ensuring that injury is prevented an emergency action is immediate.