

## Earthing - BS 7430

ETH001

This one day course is based upon BS 7430

Through the code practice for earthing, the participant is given guidance on the methods which may be applied to earth an electrical system for the purpose of limiting the potential (with respect to the general mass of earth) of exposed and extraneous conductive parts connected to the system. It is assumed the candidate will already possess a reasonable technical knowledge of electrical systems.

## Lightning Protection - BS EN 62305

LPS001

This course will provide the participant with knowledge of the fundamental principles of lightning, including the supplementary effects on the local electricity supply and telecommunications networks and building structures. The evaluation of risks and the use of risk assessment in determining the need for and extent of the lightning protection system will allow the participant understand more clearly when, if and how large the lightning protection system will need to be. It has become clear from our experience, by utilisation of the risk assessment principles contained within BS EN 62305, structures are at times protected against lightning strike for reasons of paranoia rather than sound technical fact.

The course focuses on the impact lightning has on structures, available lightning protection systems and the associated earthing requirements.

A practical workshop where the participant will design a lightning protection system for a structure, working through all the necessary steps from risk assessment to inspection, testing and certification.

**COST:** £145 (+ VAT)

**PREREQUISITE:** BS 7430 (A Reasonable Technical Knowledge of Electrical Systems, preferably C&G 2381 and/or C&G 2391 or EAL DEIQ, BS 6651 (None)

**DURATION:** 1 Day

**BOOKINGS:** Telephone 01246 810444 or Email [enquiries@techniquetraining.co.uk](mailto:enquiries@techniquetraining.co.uk)