

Earthing and Bonding Systems

Agenda

09:15 Arrival – Registration / coffee / tea

Vital for the safety and correct function of all information technology equipment - a practical explanation of earthing and bonding systems illustrated with examples.

09:30 Session 1:

- Student exercise
- Earthing Overview and general concepts

11:15 *Coffee / tea break (15 mins)*

11:30 Session 2:

- An Overview of BS.7430: 2011 Code of Practice for Earthing
- Low Voltage Supply Earthing Arrangements
- Maintenance, Inspection and Testing

13:00 *Lunch (60 mins)*

14:00 Session 3:

- Earthing & Bonding to the 17th Edition Wiring Regulations, BS.7671
- Earthing and Circuit Protective Conductors
- Main Equipotential and Supplementary Bonding Conductors
- Maintenance, Inspection and Testing
- Sizing of circuit protective conductors and withstand capability of main earth conductors
- Sizing and configuration of earth electrodes and showing how they are calculated
- Transformer and generator main earthing configurations and protection relays.

For more information about this course contact the training team:

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15:00 *Coffee / tea break (15 mins)*

15:15 Session 4:

- An Overview of BS EN 62305 Air Terminations
- Down Conductors
- Earth Terminations
- Maintenance, Inspection and Testing.
- Learning Outcomes

Good overall understanding of earthing concepts and associated calculations within the building services environment.

16.00 - 16.30 Q & A

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