

Impressed Voltage Awareness Training



Commercial Engineering Services

National Grid has a wealth of experience in delivering Impressed Voltage (IV) training.

IV is a hazard that exists across all substation and overhead line environments. While not a new hazard, the phenomenon of IV has become increasingly acknowledged across the UK transmission system in recent years. Several incidents across the world and UK have raised our concerns at National Grid. This has led us to develop a specific training course for IV.

Our training course is designed to raise awareness of the mechanisms and dangers of IV and increase organisational competence in this area. The course is aimed at electricity network staff and utility industry contractors.

Our course is delivered on our e-learning platform which uses animations and interactive exercises to aid learning. The training covers: introduction to IV, the mechanism and dangers; an explanation of the four coupling mechanism and how and where they occur; why we need to manage IV; and the controls that should be adopted to achieve safety from the system.

The training has successfully increased the skills and competence of our operational workforce and our contractors in this field. It has also helped to broaden the knowledge of our non-operational workforce, providing them with an awareness of the risks and controls required when interfacing with operational projects.

High Voltage Engineering Specialists

A unique combination of experience and expertise

Training





Impressed Voltage Awareness

This awareness programme is designed for those with an Engineering background e.g. authorised roles such as Person and Competent Persons.

Key focus areas:

- Introduction of IV
- Explanation of the source, coupling mechanism and receptor
- Explanation of four key types of IV – inductive coupling, capacitive coupling, conductive coupling and trapped charge
- Mechanisms and dangers
- An overview of the controls needed to manage IV
- Overview of substation / overhead line IV risks
- What to look out for when working in a HV environment
- Short assessment

For more details or to register for one of our training courses please contact us via the enquiry form on our website www.nationalgridces.com or call us on **0800 783 9228**.

Commercial Engineering Services National Grid

Tel: +44 (0)800 783 9228
Email: ces@nationalgrid.com
Website: www.nationalgridces.com

Commercial Engineering Services, National Grid,
National Grid House, Warwick Technology Park, Gallows Hill,
Warwick, CV34 6DA, United Kingdom



National Grid is a trading name for:
National Grid Electricity Transmission plc
Registered Office: 1-3 Strand, London WC2N 5EH
Registered in England and Wales, No 2366977

© National Grid, November 2016. All rights reserved. Information is correct at the time of publication and may be subject to change at any time without prior notification.