

## Safe Isolation

**COURSE REFERENCE:** 214      **DURATION:** 4 hrs (Recommended Minimum Duration)

**COURSE AIMS:** This course aims to provide employees working within the Highway Electrical Sector with an understanding and awareness of the procedures for the safe isolation of electrical circuits. The course will also cover the procedures for the safe method for the testing of supply and the checking of polarity. Course 210 Working in the vicinity of DNO/IDNO Equipment will be required for operatives working onsite and carry out isolation in the vicinity of DNO/IDNO equipment; this course should also be considered for any operative carrying out isolation on non-DNO/IDNO equipment

**PREREQUISITES:** In order to gain maximum benefit and learning outcomes from this course there are a number of training modules, which are required before attending. A complete list of pre-course requirements is shown in the Contents.

**ASSESSMENT:** A practical assessment will follow the completion of this course or group of courses.

**OBJECTIVES:** On completion of the course learners will:

- \* State the methods for the isolation of electrical circuits in differing highway electrical equipment.
- \* Test to determine if a supply is available.
- \* Check to confirm a supply is isolated
- \* Check to confirm the polarity of the supply
- \* Identify the steps required to carry out safe isolation
- \* What action to take in the event that the supply cannot be restored.

**COURSE TOPICS:**

- \* Safe isolation.
- \* Testing to determine availability of supply and the use of appropriate equipment.
- \* Switching
- \* Protective devices used in Highway Electrical works.
- \* Reporting procedures

**PRACTICAL:** To enable maximum learning and benefit from this course, there will a number of exercises. These may be both interactive and demonstrative to enhance the learning experience.