



RTO 40918

Presents

# Training for Testing and Inspecting Electrical Equipment

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## Introduction

Axiom Compliance Learning are proud to offer the appropriate training to achieve the knowledge and skills to carry out tasks required for testing and inspecting electrical equipment. Axiom Compliance Learning can deliver two types of training both meet the requirements of Australian Standards, WHS Regulations and the relevant Codes of Practice including 'Managing Electrical Risks in the Workplace'. All training is structured and successful completion determined by assessment of competency.

## Choosing your Training

### Option 1. Testing and Inspection of Electrical Equipment training

Testing and Inspection of Electrical Equipment – Certificate of Achievement training complies with requirements for electrical testing and tagging in NSW. Axiom Compliance training with qualified workplace trainers and assessors involves participation in a structured and sequenced learning process. This provides relevant learning experiences which combines formative assessment and summative assessment to determine participants skills and knowledge complying with relevant legislation.

### Learning Outcomes

#### Understanding and applying testing requirements in the workplace

- Australian Standard AS/NZS 3760
- Applying WHS regulations and codes in the workplace
- Limitations of work that can be undertaken
- Determining retest requirements using risk assessment principals
- Managing electrical risk in the workplace

#### Basic electrical principals and concepts:

- AC and DC Voltages
- Basic electrical circuits
- Circuit protective devices and RCDs
- Functions of electrical circuit
- Conductors and insulators
- Basic electrical supply system
- Relationship of electrical quantities
- Effects of electrical currents

#### Inspection & testing of electrical equipment, leads and RCD,s:

- Using Portable Appliance Testers (PAT)
- PAT maintenance and calibration Classification of electrical equipment
- Inspection of electrical equipment (visual inspections)
- Earth continuity testing
- Insulation resistance testing
- Polarity testing (extension cords and IEC cords)
- Leakage current testing
- Portable RCD testing

#### Testing and tagging documentation requirements:

- Risk assessment documentation
- Frequency of inspection and testing
- Tagging of equipment
- Records maintenance

## Option 2. Accredited Training Units from the electro technology training package - Statement of Attainment

The Nationally Recognised training is recommended in some circumstances. Individuals with test and tag business, working in high-risk environments, working in Queensland or if you require this unit from the electrotechnology package towards a higher certificate level.

### National Recognition

These competencies have been drawn from the nationally endorsed industry training package, Electrotechnology Training Package (UEE11). On successfully completing the training and assessment a transcript list with all of the units of competence will be issued. The units of competence are nationally recognized, a statement of Attainment will be issued.

**-UEENEPP0101 Apply Occupational Health & Safety Regulations, Codes & Practices in the workplace**   
**Mandatory pre-requisite unit required for all electro technology training package units**

**-UEENEPP026A Conduct in-service safety testing of electrical cord connected equipment and cord assemblies**

The training is performed in a controlled compliant training room utilizing Axiom Compliance testing equipment, the face to face training component is conducted over one day. The theory components are to be completed prior/during the training. Available in a number of formats such as PDF or Hard Copy booklet programs and are expected to take 4 to 5 hours to complete.

You will be offered three (3) assessment opportunities during a normal training program for each assessment, in the event you do not demonstrate competence within the 3 assessments and complete the qualification a re-assessment service is available. A re-assessment fee will be applicable including individual re-training to prepare you for the re-assessment.

### Program outline

The course will be delivered using blended learning, a combination of one-on-one, group theory instruction, practical practice and assessment. The training is sequenced in a way that allows a logical progression. You will be provided with professionally presented reference material and testing equipment to assist you to develop your knowledge of the subject.

### Language, literacy and numeracy requirement

Language, literacy and numeracy (LLN) skill Level 3 is regarded as the “minimum required for individuals to meet the complex demands of everyday life and work in the emerging knowledge-based economy” The above units require level 3 for you to have adequate comprehension and writing skills in order to achieve competence.

### Assessment requirements

The assessment is conducted using a combination of realistic demonstrations, tasks and knowledge tests. The following provides a brief explanation of the assessment methods applied:

**Demonstration:** You are required to demonstrate a range of skills whilst being observed by, or interacting with, the assessor. The activities will be clearly explained and always relate to duties relevant to your principle function in the workplace. These activities allow the assessor to observe you applying your knowledge and skills during practical activity.

**Written Reports:** You are required to produce a range of written records based on real testing and inspection provided by the assessor.

**Tasks:** You are required to undertake a range of tasks provided by the assessor. Tasks will require the creation of various documents (reports, risk assessments etc). Tasks will be supervised and have practical components where you will be asked to provide the outcomes/results of the tasks.

**Knowledge Test:** You are required to undertake a number of written knowledge tests over the course of your study. These tests will be provided to you by the assessor you will be required to individually complete the test. You may research your answers from the course training materials and notes as well as relevant references.

Copy of photo ID required upon commencement of training to be verified by Axiom Compliance staff.

**Venue/Dates & Times**

Venue: Axiom Compliance currently provides training in Newcastle and Sydney on regular basis with the capability to provide training onsite if numbers and venue permit. Dates on request.

The course is conducted from 8:30am – 4.30pm (tea and coffee only supplied)

**What you will need on the first day of training.**

Attire: Enclosed foot ware, comfortable casual clothing - long sleeve – work wear acceptable.

General classroom stationary: pen, pencil, highlighter, eraser.

Equipment: Axiom Compliance will provide all equipment and PPE for classroom practical.

Upon completion participants will require testing equipment (Portable appliance tester). Axiom Compliance have many types/brands of portable appliance testers for purchase discuss with our trainer your particular circumstances regarding your testing and they will recommend the best equipment for you. (please ensure your equipment is calibrated when required Axiom Compliance can provide calibration service)

**Recognition of Prior Learning**

You can apply for recognition of your existing skills and knowledge that is relevant to the units of competence within the program. These skills and knowledge may have been obtained through workplace training or experience. Students are required to notify Axiom Compliance Learning of their interest or intention to apply for RPL prior to their enrolment.

**Student Information**

Detailed student information is available within our Student Handbook which is supplied with the enrolment form. This booklet contains important information about a student's rights and obligations such as their right to privacy, a safe training environment and right to complain or appeal an assessment decision. It is important that persons applying for enrolment have had an opportunity to review this information first.

**For any further assistance call Axiom Compliance 02 49539959, [admin@axiomcompliance.com.au](mailto:admin@axiomcompliance.com.au)**