

UET Trade Test Options

Practical Assessment - Electrical Engineering

Instructions

- The assessment must be conducted in a controlled assessment location which may be either on-site or in an environment that reflects the hazards and risks of a real time working environment. The assessment must be designed to meet the requirements of the Utilities Engineering Technician Standard (UET) – Level 3
- The assessment must incorporate the use of specialised tools and techniques to demonstrate the more complex higher order level of skills required by the role
- The technical assessor conducting the assessment must remain in visual contact with the candidate throughout the trade test assessment
- The technical assessor shall ask knowledge questions where competence is not confirmed through observation of natural performance and record the answers given

Test No	Trade Test Description
<p>Test 1</p>	<p>Install and commission electrical equipment and systems commonly found within their industry sector. The scope of work must include installation of a minimum of ONE of the following pieces of plant / equipment that power electrical / mechanical systems instruments: -</p> <ul style="list-style-type: none"> • Switchgear • Motor control centres • Circuit breakers • Transformers • Drive mechanisms • Motors <p>Alternative equipment may be selected but must hold a similar level of complexity and interaction to other plant and systems as those listed above.</p> <p>The complexity of the maintenance activity must include ALL of the following -</p> <ul style="list-style-type: none"> • Safe isolation of electrical systems / equipment • Inspection and testing of electrical equipment • Installation of electrical plant / equipment
<p>Test 2</p>	<p>Facilitate complex maintenance work on electrical equipment and systems commonly found within their industry sector. The scope of work must include maintenance of a minimum of TWO of the following pieces of plant / equipment that power electrical / mechanical systems instruments: -</p> <ul style="list-style-type: none"> • Switchgear • Motor control centres • Circuit breakers • Transformers • Drive mechanisms • Motors <p>Alternative equipment may be selected but must hold a similar level of complexity and interaction to other plant and systems as those listed above.</p> <p>The complexity of the maintenance activity must include ALL of the following -</p> <ul style="list-style-type: none"> • Safe isolation of electrical systems / equipment • Inspection and testing of electrical equipment • Maintenance of electrical plant / equipment