

UET Trade Test Options

Practical Assessment – Instrumentation Control and Automation (ICA)

There are 4 Potential disciplines within the ICA pathway:

- a) ICA
- b) Telemetry
- c) Supervisory Control & Data Acquisition (SCADA)
- d) Security and Emergency Measures Direction (SEMD)

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 a transducer to either a new or existing system including SCADA/HMI. The scope of work must include ONE of the following instruments: -</p> <ul style="list-style-type: none"> • Pressure Transmitter • Level Transmitter • Flow Transmitter • Temperature Transmitter • Analyser <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 scope of work must include ALL of the following: -</p> <ul style="list-style-type: none"> • Installation • Calibration • Testing • Inspection • Isolation/De-isolation
<p>Test 2</p>	<p>Carry out complex maintenance on a field instrument. The scope of work must include maintenance of a minimum of TWO of the following instruments: -</p> <ul style="list-style-type: none"> • Pressure Transmitter • Level Transmitter • Flow Transmitter • Temperature Transmitter • Analyser • Valve Positioner <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 must also include TWO of the following activities: -</p> <ul style="list-style-type: none"> • Function Test • Calibration • Inspection