



# **Approved Training Provider (ATP)**

Tester/Trainer Application Guide (to be used in conjunction with the PAM019 & PAM009).



## Contents

	<b>Page</b>
<a href="#"><u>Introduction</u></a>	2
<a href="#"><u>Electrical Installation</u></a>	3
<a href="#"><u>Electrical Maintenance</u></a>	4
<a href="#"><u>Instrument and Controls</u></a>	5
<a href="#"><u>Mechanical Fitting</u></a>	6
<a href="#"><u>Mechanical Maintenance</u></a>	7
<a href="#"><u>Pipefitting</u></a>	8
<a href="#"><u>Plating</u></a>	9
<a href="#"><u>Rigging</u></a>	10
<a href="#"><u>Steel Erecting</u></a>	11
<a href="#"><u>Welding</u></a>	12
<a href="#"><u>Abrasive Wheels</u></a>	13
<a href="#"><u>Appointed Person Moving Loads</u></a>	13
<a href="#"><u>Confined Space</u></a>	13
<a href="#"><u>Excavation Supervisor</u></a>	13
<a href="#"><u>Hub Rescue</u></a>	13
<a href="#"><u>Human Performance</u></a>	13
<a href="#"><u>Hydraulics</u></a>	13
<a href="#"><u>Industrial Drone Operations</u></a>	13
<a href="#"><u>Lifting and Positioning Engineering Construction Loads</u></a>	14
<a href="#"><u>Machining</u></a>	14
<a href="#"><u>Manual Handling</u></a>	14
<a href="#"><u>Mechanical Joint Integrity</u></a>	14
<a href="#"><u>NDT</u></a>	14
<a href="#"><u>On Site Machining</u></a>	14
<a href="#"><u>Precision Measurement</u></a>	14
<a href="#"><u>Pressure Safety Valves</u></a>	15
<a href="#"><u>Production Operations</u></a>	15
<a href="#"><u>Scaffolder</u></a>	15
<a href="#"><u>Slinger/Banksman</u></a>	16
<a href="#"><u>Small Bore Tubing</u></a>	16
<a href="#"><u>Wire Rope Inspection</u></a>	16
<a href="#"><u>Working at Height</u></a>	16



## **Introduction**

This guide has been produced to assist the trainer and tester applicants understand the technical aspects, experience and competence ECITB require from those seeking approval to deliver ECITB technical training and testing product and is designed to be used in conjunction with the PAM019.

The trainer/tester applicant will have to complete the PAM09 Approved Trainer/Tester Application form ensuring all sections relevant to the application are completed. Then submit along with the completed PAM09 form a detailed CV indicating their previous training, qualifications, employment, locations, dates and 3 years' occupational experience in the subject area being applied for. Weak or poorly detailed CVs will slow down the application process and may lead to the applicant being rejected. The application has to also be supported with any relevant qualifications (translated into English) and the CV must be in English.

## **Trainer Applicants**

Trainer applicants must hold as a minimum a "Train the Trainer" type certificate or qualification that can demonstrate the applicant has received basic training or teaching techniques. Ideally the trainer applicant will have a good understanding of learning domains, learning styles, motivation to learn, identifying and addressing learning needs.

The trainer applicant will be expected to be able to develop training materials such as lesson plans, schemes of work, presentation slides, course handouts, knowledge tests and practical exercises that are mapped or meet ECITB training standards for course approval. If the trainer applicant does not possess these skills then the applicant's organisation must have a support resource in place to aid the trainer applicant.

## **Tester Applicants**

The requirements of an effective examiner are essentially threefold, they should offer the following characteristics as the core of their professional practice:

1. Expertise in the discipline being tested and methods of examination.
2. Fair and independent judgement.
3. Constructive and realistic feedback to candidates.

Many of those who will fulfil the role of an ECITB Technical Test Examiner will come from highly skilled backgrounds, where possible have significant experience as an instructor, assessor or trainer and these experiences are very useful, others will be selected for this role based on their technical expertise, maturity and sound characters.

[Back to Contents](#)



## **Electrical Installation Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver electrical installation technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of electrical installation activities carried out in engineering construction or allied industries.

### Overview

The occupation of electrical installation involves the installation, commissioning, inspection, testing and fault diagnosis of electrical plant and its associated cabling and equipment. Commonly this involves types of equipment such as electrical distribution systems, generators, electric motors, heating, ventilation and air-conditioning systems. To achieve these functions the electrical fitter must be able to interpret technical specifications and drawings and where necessary demonstrate effective reasoning skills in the resolution of faults and problems. Additionally electrical fitters use traditional hand tools and test equipment.

### Main Competences

1. Install electrical cabling systems, wiring systems, enclosures and equipment (plant).
2. Terminate cabling systems, wiring systems and equipment (plant).
3. Inspection, testing and commissioning of electrical installations (plant).
4. Diagnose and correct electrical faults (plant).

### CV Information and Supporting Certificates

The applicant will supply the following relevant information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the electrical installation role along with relevant Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## Electrical Maintenance Trainer/Tester Application Requirements

The ECITB expect that an applicant applying for approval to deliver electrical maintenance technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a the range of electrical maintenance activities carried out in engineering construction or allied industries.

### Overview

The occupation of electrical maintenance involves the assembly, installation, maintenance and testing of a wide range of electrical plant and associated components. Typical equipment includes power generation and distribution systems, switch panels, transformers, motors and generators. Electrical technicians are expected to be able to diagnose the causes of electrical or electromechanical malfunctions or failures of operational equipment in a prompt and efficient manner. They must be able to interpret maintenance specifications, engineering drawings and wiring diagrams to achieve many of their day to day objectives.

### Main Competences

1. Position and install electrical plant and equipment.
2. Dismantle electrical plant and equipment.
3. Carry out planned maintenance procedures on electrical plant and equipment.
4. Adjust electrical plant and equipment to meet operating requirements.
5. Remove components from electrical plant and equipment.
6. Replace components in electrical plant and equipment.
7. Monitor the performance and condition of electrical plant and equipment.
8. Assess the performance and condition of electrical plant and equipment.
9. Diagnose and determine the causes of faults in electrical plant and equipment.
10. Assemble components of electrical plant and equipment.
11. Repair components of electrical plant and equipment to operational condition.
12. Hand over plant and equipment.
13. Determine the feasibility of repair of components from electrical plant and equipment.
14. Test the performance and condition of electrical plant and equipment.
15. Analyse the test results relating to electrical plant and equipment.
16. Establish that an electrical engineering maintenance process has been completed to specification

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the electrical maintenance role along with relevant Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Instrument and Controls Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver instrument and controls technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a the range of instrument and controls activities carried out in engineering construction or allied industries.

### Overview

The occupation of instrument & controls involves the installation, dismantling, maintenance and repair of instrumentation systems and their associated system components. Such systems can be of an electronic, electro-mechanical or pneumatic technology which may be used to indicate, record and control a wide variety of equipment, plant and machinery. An integral aspect of the instrument technician is the ability to locate and identify faults in a timely manner to restore plant and equipment to acceptable conditions. The wide range of possible equipment and systems also require a good knowledge of, and the ability to effectively use an equally wide range of test and measuring equipment. Instrument technicians typically need a good understanding of engineering theory, the functions of components within systems and the effect on system operation on failure.

### Main Competences

1. Position and install instrument and control systems.
2. Dismantle instrument and control systems.
3. Carry out planned maintenance procedures on instrument and control systems.
4. Adjust instrument and control systems to meet operating requirements.
5. Remove components from instrument and control systems.
6. Replace components in instrument and control systems.
7. Monitor the performance and condition of instrument and control systems.
8. Assess the performance and condition of instrument and control systems.
9. Assemble components of instrument and control systems.
10. Restore components from instrument and control systems to operational condition by repair.
11. Hand over plant and equipment.
12. Determine the feasibility of repair of components from instrument and control systems.
13. Test the performance and condition of instrument and control systems.
14. Analyse the test results relating to the tested instrument and control systems.
15. Establish that an engineering maintenance process has been completed to specification.

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the instrument and controls role along with relevant Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Mechanical Fitter Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver mechanical fitting technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a the range of mechanical fitting activities carried out in engineering construction or allied industries.

### Overview

The occupation of mechanical fitter within the engineering construction industry (ECI) is concerned with the assembly, installation, maintenance, testing and dismantling of often complex machinery and mechanisms. Typical equipment encountered within the occupation includes: engines, pumps, transmission systems, power transmission systems, turbines, hydraulic and pneumatic actuators and systems. Working to precise tolerances, the activities performed, require a high degree of skill to ensure that the specifications within design drawings are achieved. Through their wide range of duties mechanical fitters assume a through life responsibility for the machinery, systems and equipment within their charge, from the initial assembly, installation and setting up to the maintenance and testing to the eventual disassembly/decommissioning of the equipment.

### Main Competences

1. Accurately measure complex items with measuring equipment.
2. Measure and mark out components for fabrication.
3. Make mechanical components using appropriate tools.
4. Assemble mechanical components such as valves, pumps and drive systems.
5. Prepare work areas, equipment and materials for installation.
6. Positioning plant and equipment
7. Align, level and set a motor and pump arrangement.
8. Install drive systems and components for engineering construction plant and equipment.
9. Dismantle, repair/replace worn components, assemble and adjust mechanical components.
10. Diagnose faults and adjust live engineering construction plant and equipment.
11. Use tools and equipment to fabricate and assemble small bore pipework

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the mechanical fitting role along with relevant Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Mechanical Maintenance Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver mechanical maintenance technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a the range of mechanical maintenance activities carried out in engineering construction or allied industries.

### Overview

The occupation of mechanical maintenance in engineering construction industry (ECI) are concerned with the fault diagnosis, routine servicing, repair and maintenance of complex plant, machinery and associated components and on occasions to install machinery used within their areas.

Mechanical maintenance technicians are more commonly found performing preventative maintenance which is the process of carrying out systematic, planned maintenance of machinery and equipment. This enables the technician to identify and resolve potential problems before they can result in a much larger or catastrophic failure. In addition to the preventative maintenance the maintenance technician is also required to perform non-scheduled maintenance as a result of a machinery or equipment failure. In these circumstances the technician must diagnose and resolve problems quickly and where necessary scheming a temporary repair until such time that a permanent solution can be carried out.

### Main Competences

1. Position and install mechanical plant and equipment.
2. Dismantle mechanical plant and equipment.
3. Carry out planned maintenance procedures on mechanical plant and equipment.
4. Adjust mechanical plant and equipment to meet operating requirements.
5. Remove components from mechanical plant and equipment.
6. Replace components in mechanical plant and equipment.
7. Assess the performance and condition of mechanical plant and equipment.
8. Diagnose and determine the cause of faults in mechanical plant and equipment.
9. Assemble bolted joints to a specification in engineering construction.
10. Repair components of mechanical plant and equipment to operational condition.
11. Hand over mechanical plant and equipment.
12. Determine the feasibility of repairing mechanical plant and equipment components.
13. Test the performance and condition of mechanical plant and equipment.
14. Analyse the test results relating to the tested mechanical plant and equipment.
15. Establish that a maintenance process has been completed to specification

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the mechanical maintenance role along with relevant Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

### [Back to Contents](#)





## **Pipefitter Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver pipefitting technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of pipefitting activities carried out in engineering construction or allied industries.

### Overview

The occupation of a pipefitter consists of the reading of engineering drawings, measuring, positioning, assembly, fabrication, maintenance and repairs of piping systems. Engineering construction industry (ECI) piping systems may carry water, steam, chemicals or fuel which may be used in cooling, heating, lubricating and other processes. The piping can vary in bore and material type dependent upon the fluid it is designed to carry and the operating pressures of these systems. These system requirements also determine the method of jointing required within the piping system and the pipefitter must ensure the integrity of joints that are made. Methods of jointing can range from threaded, bolted and clamped solutions to, where required, a more permanent welded joint. Loss of the transmission fluid through poor jointing may result in machinery and equipment failure or greater environmental damage.

### Main Competences

1. Set out and mark pipework configurations using marking out and measuring equipment.
2. Develop patterns pipework configurations using marking out and measuring equipment.
3. Use portable preparation machines to prepare pipe ends for welding.
4. Use hand operated bending machines to bend ferrous and non-ferrous pipe.
5. Use tools and equipment to assemble and secure screwed pipework.
6. Use tools and equipment to fabricate and install pipework supports.
7. Use tools and equipment to install pipework systems and components.
8. Use tools and equipment to prepare and test pipework systems and components.

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the pipefitting role along relevant with Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Plater Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver plating technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of plating activities carried out in engineering construction or allied industries.

### Overview

Platers within the engineering construction industry (ECI) prepare steel and other metal plates and sections for the manufacture, repair and maintenance of storage tanks, vessels and the other structures contained within oil rigs, power stations, chemical plants and refineries. It is widely accepted that platers work on sheet materials having a thickness greater than 3mm. The plater's work can also cover the production of the structural steelwork used in the construction of bridges, buildings and oil platforms.

To achieve these tasks platers are skilled in the reading of engineering drawings, measuring and marking out, cutting, forming and joining of metal plate and structural steel of varying thickness and size. They may then be responsible for the assembly of manufactured items and the use of lifting equipment before securing it usually using tack welding. Through the course of these functions the plater will need to utilise a range of machinery such as heavy duty guillotines, oxyacetylene flame cutters, CNC computer controlled and hand controlled machines, rollers and presses in addition to the more traditional hand skills and tools associated with metal craft work.

### Main Competences

1. Mark sheet metal plate to specifications.
2. Shape components of fabricated steel structures by material removal using hand and power tools.
3. Assemble components of steel fabrications to meet specification.
4. Manually form components to specification.
5. Join materials by manually controlled welding process.

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the plating role along relevant with Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Rigger Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver rigging technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of rigging activities carried out in engineering construction or allied industries.

### Overview

The occupation of rigging in the engineering construction industry (ECI) refers to the lifting, moving and positioning of extremely large or heavy objects which are beyond the reasonable scope of manual handling and outside the reach of material handling equipment. Due to the specialised and dangerous nature of the work involved, the profession of rigger requires extensive training both at a dedicated instructional centre and then through a period of consolidation in a workplace environment. The complexity of many rigging operations necessitates the need for teams of riggers to work cohesively in order to successfully and safely complete moving load activities. Given the hazardous nature of operations, participants in rigging teams place significant trust in their colleagues. This requires all riggers to maintain a high level of knowledge and competency to ensure that operations are professionally and safely carried out. The role of a rigger in the ECI should not be confused with that in other industries.

### Main Competences

1. Slinging - successfully select equipment/lifting appliance and lifting accessories to sling and lift an unevenly loaded item to an identified location in accordance with appropriate industry regulations/procedures.
2. Rigging & Working with Lifting Equipment - selecting the appropriate resources and complete the safe rigging and lifting/moving of the identified item using tirlors and rollers/skates in accordance with appropriate industry regulations/procedures.
3. Moving Loads -selecting equipment/lifting appliance and lifting accessories to sling, lift and move an unequally weighted load through a restricted access to an identified location in accordance with appropriate industry regulations/procedures.

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the rigging role along relevant with Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Steel Erector Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver steel erecting technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of steel erecting activities carried out in engineering construction or allied industries.

### Overview

The occupation of steel erector consists of the installation of prefabricated steel and components that make up the framework of industrial installations, buildings and other structures. Steel erectors assemble the steelwork which in most cases constitutes the core of the building or structure. They must be able to interpret engineering drawings to determine how to erect the steelwork structure. As the height increases they rely upon equipment such as elevated platforms, scissor lifts and various types of cranes to erect, align and fix the steel sections and components. As steel erectors work above the other onsite tradespeople they may be responsible for fixing the edge protection as they reach new levels.

### Main Competences

1. Prepare structural steel loads for moving.
2. Move structural steel loads.
3. Position and erect steel structures.
4. Erect structural steel sections.
5. Check that the steel structure is installed to specification.
6. Dismantle structural steel sections.
7. Determine technical requirements to achieve steel erecting objectives.
8. Determine resource requirements to achieve steel erecting objectives.

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the steel erecting role along relevant with Vocational Qualification/s or industry accepted equivalent trade qualification. The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



## **Welder (Pipe/Plate) Trainer/Tester Application Requirements**

The ECITB expect that an applicant applying for approval to deliver welding technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of welding activities carried out in engineering construction or allied industries. NDT Technicians with PCN Level 3 qualifications can also act as welder testers if they have relevant welding experience.

### Overview

The occupation of welder within the engineering construction industry is concerned with the joining together of metal components and assemblies in either pipe or plate form, and sometimes thermoplastics, using extreme heat generated by electric welding equipment to melt the materials causing coalescence. Welders are required to read and interpret welding specifications in order to establish the correct process to be used, select the correct material and welding equipment and the required preparation of the material for welding. The welding process may be performed manually or may be performed by specialist equipment as an automated or mechanised process. Each welding operation carries a varying level of complexity which demands a great deal of skill, focus and competent technique from the welder to ensure that the fusion of materials meets the strict tolerances and quality standards required.

### Main Competences

1. Join materials in engineering construction by TIG welding.
2. Join materials in engineering construction by flux cored welding.
3. Join materials in engineering construction by MMA welding.
4. Join materials in engineering construction by MIG/MAG welding.
5. Gouge in engineering construction for welding activities.
6. Interpret welding procedures, specifications and standards in engineering construction.
7. Join materials by mechanised welding process.

### CV Information and Supporting Certificates

The applicant will supply the following information to support their application:

1. Professional Recognition and Occupational Experience

A CV that details verifiable and a minimum of 3 years' experience in the welding role along relevant with Vocational Qualification/s or industry accepted equivalent trade qualification and codings held. The Welding Trainer/Tester will also hold a visual inspection qualification (welding inspector 3.0 or 3.1). The CV will include details of activities, dates, companies and locations.

[Back to Contents](#)



### **Abrasive Wheels**

The trainer applicant will have to demonstrate industrial experience using bench and/or hand held grinding machines to gain approval. Typically coming from a trade background such as pipefitting, mechanical, plating or welding.

[Back to Contents](#)

### **Appointed Persons Moving Loads**

Trainer/tester applicants must have been a Rigger or Steel Erector with engineering construction experience, held the Appointed Person position in engineering construction industry (ECI) and be in possession of a current ECITB Appoint Persons Moving Loads training certificate or TAP01 technical test. Review the Rigger or Steel Erector profiles for more information on these roles.

[Back to Contents](#)

### **Confined Space**

The trainer applicant will have to demonstrate that they have worked in confined spaces, had relevant training and certification in breathing apparatus to gain approval. Typically firefighters or industrial fire team or rescue team experience would be suitable for this type of role. The training centre will require to have a confined space facility with entrances at difference heights for top entry and side entry along with crawl spaces as well. The confined space facility can be a made from a large container or brick/underground tunnel network. The training centre will have a range of gas monitors, harnesses, winch/stands and breathing apparatus.

[Back to Contents](#)

### **Excavation Supervisor**

The trainer will have demonstrate a minimum of 4 years construction experience with 2 years' experience as a team lead in the installation of services and performing excavations. The trainer must hold a relevant H&S certificate or demonstrate training/experience in excavation safety, confined space and supervisory training.

[Back to Contents](#)

### **Hub Rescue**

The trainer applicant must hold a first aid qualification, GWO or IRATA certification and wind turbine experience. The trainer applicant must be able to demonstrate experience in rescue techniques associated with wind turbines.

[Back to Contents](#)

### **Human Performance**

The trainer applicant will have to demonstrate a knowledge of human factors and behavioural based safety and hold as a minimum the NEBOSH qualification.

[Back to Contents](#)



### **Hydraulics**

The trainer applicant will have to demonstrate that they have installed and maintained a range of hydraulic components in industry. Typically coming from a mechanical, pipefitting or instrumentation trade background.

[Back to Contents](#)

### **Industrial Drone Operations**

Trainer/tester applicants must hold the PFCO qualification (or international equivalent) and demonstrate they have industrial drone flying experience. The training/test centre must have suitable flying areas: Rotary 50m x 100m area, Fixed Wing 100m x 200m area and including a 2m platform to hold 3 people and 10m metal structure.

[Back to Contents](#)

### **Lifting and Positioning Engineering Construction Loads**

The trainer applicant must have been a Rigger or Steel Erector with engineering construction experience or can demonstrate experience in lifting operations in engineering or construction industries. The applicant if not a Rigger or Steel Erector will hold lifting type qualifications to support experience.

[Back to Contents](#)

### **Machining**

The tester applicant must have machining experience and come from a mechanical fitting or turner/machinist background. The applicant will have to demonstrate use of a range of machining equipment such as lathes, milling machines and surface grinders.

[Back to Contents](#)

### **Manual Handling**

The trainer applicant will have to demonstrate a knowledge of manual handling by holding a NEBOSH qualification or Manual Handling Trainer certificate.

[Back to Contents](#)

### **Mechanical Joint Integrity**

Trainer/tester applicants must have engineering construction industry (ECI) hydraulic torquing and tensioning bolting experience. The trainer/tester must have a mechanical engineering background in mechanical fitting, pipefitting or mechanical technician. The applicant must hold either the MJ10, 18 and 19 course training certificate or TMJI10, 18, 19 technical tests to gain approval. The training centre will have a range of flanges (RTJ, Raised, and Flat), gaskets, seal rings and clamp connectors along with a suitable pipe rig and associated hydraulic torque and tension equipment.

[Back to Contents](#)





## **NDT**

The trainer/tester applicant must have engineering construction industry involved testing materials like welded pipework, components and storage vessels to detect any flaws without harming the material. There are various testing methods such as Radiographic, Ultrasonic, Liquid Penetrant and Magnetic Particle Techniques. The applicant will have to hold relevant PCN Level 2 or 3 qualifications or international equivalents for the NDT testing methods they wish approval for.

[Back to Contents](#)

## **Onsite Machining**

Trainer/tester applicants must have engineering construction onsite machining experience and come from a mechanical fitting or turner/machinist background. Clam shell machining experience on pipe flanges, flange machining and milling on heat exchangers are typical activities to be demonstrated in the CV.

[Back to Contents](#)

## **Precision Measurement**

The trainer applicant will have to demonstrate a strong mechanical background and in-depth knowledge and experience for using precision measurement equipment in an industrial application. Typically mechanical fitters, machinists and turners would have this experience.

[Back to Contents](#)

## **Pressure Safety Valves**

The trainer applicant will have to demonstrate that they have repaired, maintained, overhauled and tested a range of pressure safety valves in industry. Typically applicants will come from a mechanical background.

[Back to Contents](#)

## **Production Operations**

The tester applicant will have to demonstrate experience and qualifications in production operations. The tester applicant will have been a control room operator and demonstrate in their CV industry experience in this role.

[Back to Contents](#)

## **Scaffolder**

The ECITB expect that an applicant applying for approval to deliver scaffolding technical training and/or technical tests will be able to prove evidence of their scaffolding training, experience and qualifications on a range of scaffolding activities carried out in engineering construction or allied industries. The applicant must prove they have been employed and worked as a scaffolder for a minimum of 3 years.

[Back to Contents](#)





### **Slinger/Banksman**

The ECITB expect that an applicant applying for approval to deliver Slinger/Banksman technical training and/or technical tests will be able to prove evidence of their experience and qualifications on a range of lifting operations activities carried out in engineering construction or allied industries.

[Back to Contents](#)

### **Small Bore Tubing**

Trainer/tester applicants must have engineering construction experience in installing and maintaining small bore tubing assemblies. The applicant must have a mechanical or instrumentation background and hold either the ECITB SBT training certificate or TSBT technical tests or a SBT manufacturer's training certification to gain approval.

[Back to Contents](#)

### **Wire Rope Inspection**

The trainer applicant will be from a lifting operations or lifting equipment inspection background and can demonstrate experience in wire rope inspection in industrial applications.

[Back to Contents](#)

### **Working at Height**

The trainer/tester applicant must be able to demonstrate industrial experience in working at height along with training/certification in harness use. Typically applicants would come from a rigging, erecting or scaffolding background.

[Back to Contents](#)

Blank Page