



Dear Candidate,

All Connected Competence employers require their **Painters (Industrial Coatings)**, to verify their competence through Connected Competence technical tests.

Do you have the technical tests you need for mobilisation?

The tests shown below are a pre-employment requirement for Connected Competence employers:

TICA-P01 Abrasive Blast Cleaning (Direct Pressure)	Book the tests you need with one of the centres below, which can provide industry-funded vouchers – <i>meaning that you will not be charged for taking any of these tests.</i> <u>ABERDEEN</u> Romeo International Training Ltd. T: 07961 643 887 E-mail: training@romeoalphainternational.com 3T T: 0330 202 0569 E-mail: booktraining@3tglobal.com <u>NEWCASTLE</u> 3T T: 0330 202 0569 E-mail: booktraining@3tglobal.com
TICA-A02 Industrial Coatings Brush Application	
*TICA-A01 Industrial Coatings Airless Spray Application	

***This is only applicable to individuals who hold a valid OPITO Blaster Level 2 certificate.**

Through industry-recognised, standardised testing, **Connected Competence** assures an ongoing base level of technical competence for workers across the engineering construction industry to create a **safer**, more **competent** and **transferable** workforce across sectors.



Visit the **Connected Competence** [website](#) and [watch the video](#) below for more information:



Connected Competence in a nutshell

Connected Competence is industry-led, enabled by the ECITB, and supported by Operators, Employers, HSE, OEUK, NSTA, Step Change in Safety, Scottish Government, RMT, GMT and Unite the Union.





ROLE PROFILE: INDUSTRIAL COATINGS APPLICATOR

Occupational Area:	Asset/Site – Industrial Coatings Applicator
Job Role Examples:	Industrial Coatings Applicator, Protective Coatings Applicator, Industrial Sprayer, Brush Painter, Blaster Sprayer, Blaster Painter, Industrial Painter
Role Overview:	
<p>Industrial coatings applicators within the engineering construction industry prepare the surface of new or existing steel structures, supports, vessels and tank internals to remove any contamination, mill scale, rust, or unsound existing coatings, and apply the correct protective coatings to specified standards. The work usually takes place within a workshop or a designated area of a construction site for new steel structures, and on site for the maintenance or refurbishment of existing steel structures. Industrial coatings applicators have expertise in the types of industrial coating materials used, and the different techniques and equipment required for surface preparation and coating application. They understand the causes of typical surface preparation and coatings defects, how they can be avoided and how they can be rectified.</p>	
Knowledge & Skills:	
<p>The industrial coatings applicator will:</p> <ul style="list-style-type: none">• Have the required competencies for the preparation of surfaces and the application of industrial coatings, to the required standard, while adhering to health, safety and environmental regulations and safe working practices, and taking into account environmental and sustainability considerations.• Understand the relevant legislative, regulatory and local requirements or procedures and safe working practices, including their responsibilities with regards to reporting lines and procedures.• Understand the preparation and reinstatement requirements in respect of the work area, materials and equipment, and the possible consequences of incorrect actions in these areas.• Be able to read and interpret relevant engineering drawings, related specifications, quality standards and equipment manuals, and to follow work instructions and relevant plans and schedules.• Understand which tools and equipment to use, and when, and will follow relevant training, methods and techniques and quality control and safety procedures for their use.• Understand their responsibilities for ensuring the care and security of tools and equipment used.• Be able to handle a range of digital information, technology and equipment to support work related tasks and to communicate information.	
Technical Competencies:	
<ul style="list-style-type: none">• TICA-P01 - Abrasive blast cleaning (direct pressure) - correctly select and set-up the blast cleaning equipment in a safe and efficient manner, undertaking checks to ensure that the equipment, and associated items such as power and blast media to be employed, is ready to use; check the surface condition of the item for pre-surface cleanliness.• TICA-A02 - Industrial coatings brush application - correctly select the equipment in a safe and efficient manner, undertaking checks to ensure that it is ready to use; check the cleanliness of the prepared item to be coated to ensure there is no contamination (dusts/debris); and maintain awareness of the environmental conditions throughout.• TICA-A01 - Industrial coatings airless spray application - correctly select and set-up the airless spray equipment in a safe and efficient manner, undertaking checks to ensure that the equipment, and associated items such as paint lines, spray gun/tip and safety devices are ready to use; check the cleanliness of the prepared item to be coated to ensure there is no contamination (dusts/debris); and maintain awareness of the environmental conditions throughout.	

Behaviours:

- Establish and maintain effective working relationships, communicate effectively, and work inclusively to deliver work within given specifications.
- Demonstrate team working skills and interact with team members in a positive and professional manner.
- Work within an overall risk control strategy which has been developed by safety specialists and includes detailed criteria for identifying risks, together with clearly defined procedures for action which must be followed.
- Take personal ownership of, and responsibility for, completing tasks and procedures.
- Follow procedures and relevant codes of conduct with integrity and rigour and complete actions and documents accurately and honestly.
- Identifying and reporting instances where procedures or work instructions cannot be met or where a variation in them is required.
- Deal promptly and effectively with problems within their control and report those that have been, and those that cannot be, solved.
- Take responsibility for supervising and mentoring others where appropriate.
- Demonstrate the ability to coordinate work scopes and simultaneous operations (SIMOPs) effectively within a wider team, as required.
- Demonstrate effective handover of responsibility and equipment at the end of a task.
- Take responsibility and ownership of personal development, set targets to plan on how these will be achieved.
- Support operational requirements, achieve targets and maintain records as required, thereby minimising backlog and downtime.
- Maintain compliance with legislative requirements and company policies, procedures and standards.
- Maintain and demonstrate ongoing technical competence and skill set to current standards and updates.
- Support innovation and development for improvements.

Determining Work Scopes:

Other categories of workers may be mobilised to complete certain stand-alone activities/work scopes within the protective coatings discipline. Relevant technical tests for those workers are identified below.

- **Blaster** – Test Reference TICA-P01.
Candidate is not assuring ongoing technical competence for any coating activities.
- **Brush Painter** – Test Reference TICA-A02.
Candidate is not assuring ongoing technical competence for any surface preparation or airless spray activities.
- **Industrial Sprayer** – Test Reference TICA A01 & TICA A02.
Candidate is not assuring ongoing technical competence for any surface preparation activities.
- **Blaster Painter** – Test Reference TICA-P01 & TICA A02
Candidate is not assuring ongoing technical competence for airless spray activities.
- **Blaster Sprayer** – Test Reference TICA P01, TICA A02 & TICA A01
Candidate is assuring ongoing technical competence to carry out all of the above activities

Although appropriately qualified for these specific work scopes, it should be noted that without the full suite of Industrial Coatings Application tests the person should not be deemed as demonstrating full 'currency of competence' across the full Industrial Coatings discipline.

SUPPORTING NOTES: INDUSTRIAL COATINGS APPLICATOR

The Connected Competence standard role profile for an Industrial Coatings Applicator sets out the knowledge, skills, technical competencies and behaviours that are expected from a fully competent Industrial Coatings Applicator in any sector of the Engineering Construction Industry. Once competence is first achieved through training and subsequent qualification, **regular testing** ensures that **ongoing** competence is maintained, against a recognised standard.

This supporting document highlights transferable qualifications and any additional technical requirements that maybe specific to a certain sector to support standardisation of skills and workforce transferability. It does not reference any site-specific or sector specific safety training.

Sector Specific Qualifications

Prior to embarking on the formal technical test assessment cycle, an individual would be expected to have core trade qualifications as a minimum requirement:

Key
Accepted - Applicable qualification for the role with no gap analysis required
Recognised - Applicable technical content, however a gap analysis maybe required for appropriate unit completion
Dependant on Employer - May or may not be recognised

Qualification Details	Offshore Oil & Gas	Onshore Oil & Gas	Wind	Nuclear
Train the Painter or Level 1 Blaster-Sprayer or Industrial Coating Applicator Training or ICATS Protective Coatings Applicator.				

Additional Technical Competence requirements

Given the hazardous nature of some Engineering Construction working environments, the overall risk control strategy for the organisation will usually require the Industrial Coatings Applicator to be familiar with, and work within, a formal Permit to Work system. Compliance with a specific company or site safety management system (SMS) will also usually be required and additional 'site-specific' technical competence will be developed on top of basic technical competence assurance. Specialist safety training may also be required as a prerequisite in addition to role specific training.

Oil & Gas	Wind	Nuclear	CCUS	Hydrogen
<ul style="list-style-type: none">No additional technical competencies	<ul style="list-style-type: none">No additional technical competencies	<ul style="list-style-type: none">No additional technical competencies	<ul style="list-style-type: none">No additional technical competencies	<ul style="list-style-type: none">No additional technical competencies