

Dear Candidate,

All Connected Competence employers, *which Pontceilli UK and Semco Maritime are – both independently, and as part of the PBS consortium) -* require their pipefitters 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:

<b>TPF05</b> Hot work preparation of welded pipework	Book the tests you need with one of the centres below, which can provide industry-funded vouchers – meaning that you will not be charged for taking any of these tests.				
<b>TPF08</b> Fabricating & installing pipework supports	ABERDEEN AFST T: 01224 973900				
<b>TPF10</b> Hydrostatic pressure testing of pipework systems	E-mail: <u>training@afst.uk.com</u> <b>Tullos Training</b> T: 01224 872316 E-mail: <u>g.burnett@tullostraining.co.uk</u>				
<b>TMJIIO</b> Dismantle, assemble & hand torque flanged joints	NEWCASTLE 3T T: 0330 202 0569 E-mail: <u>booktraining@3tglobal.com</u>				
<b>TPF11</b> Interpret drawing information & assemble threaded pipework	MERSEYSIDE Engineering College T: 0151 666 0318 E-mail: <u>l.cairns@theengineeringcollege.co.uk</u>				

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** <u>website</u> and <u>watch the video</u> below for more information:



**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: PIPEFITTING**

Joh Dolo Everentee	ccupational Area: Asset/Site - Pipefitter				
Job Role Examples:	Pipefitter, Pipefitter Trade Technician				
Role Overview:					
repair and dismantling of p water, steam, chemicals or The piping can vary in bore operating pressures and en method of jointing required of jointing can range from t the pipe assembly to enable may result in machinery an	ter consists of the positioning, assembly, fabrication, testing, maintenance, ping systems. Engineering construction industry piping systems often carry fuel which may be used in cooling, heating, lubricating and other processes. size and material type dependent upon the fluid it is designed to carry and the vironments of these systems. The piping system design will also determine the d and the pipefitter must ensure the integrity of joints that are made. Methods hreaded, bolted and clamped solutions to, where required, the preparation of e a more permanent welded joint. Loss of containment through poor jointing d equipment failure, environmental damage or injury/loss of life. A pipefitter is tional training in other skills to carry out their role effectively.				
Knowledge & Skills:					
<ul> <li>pipework systems to the regulations and safe work</li> <li>Understand the relevant practices, including the</li> <li>Understand the prepart and equipment, and the</li> <li>Read and interpret relevant preparts and equipment and the preparts and the preparts and the preparts and equipment and the preparts and the prepart</li></ul>	petencies to fabricate, position, assemble, test, maintain and dismantle e required standard while adhering to health, safety and environmental orking practices and consider areas of environment and sustainability. In legislative, regulatory and local requirements or procedures and safe working ir responsibilities with regards to reporting lines and procedures. ation and reinstatement requirements in respect of the work area, materials e possible consequences of incorrect actions in these areas. vant engineering drawings, related specifications, quality standards and				
<ul> <li>Understand which tools and techniques and quases</li> <li>Understand their response</li> <li>Understand the types of action to take.</li> <li>Be able to handle a ran tasks and to communic</li> </ul>	Ind to follow work instructions and relevant plans and schedules. Is and equipment to use, and when, and will follow relevant training, methods ality control and safety procedures for their use. Insibilities for ensuring the care and security of tools and equipment used. If defects and testing anomalies that can occur, how to identify them, and what ge of digital information, technology and equipment to support work related ate information.				
<ul> <li>Understand which tools and techniques and quases Understand their responses Understand the types of action to take.</li> <li>Be able to handle a ran tasks and to communic</li> </ul>	s and equipment to use, and when, and will follow relevant training, methods ality control and safety procedures for their use. nsibilities for ensuring the care and security of tools and equipment used. If defects and testing anomalies that can occur, how to identify them, and what ge of digital information, technology and equipment to support work related				



#### **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.
- Take responsibility for 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, 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 pipefitting discipline. Relevant technical tests for those workers are identified below

• Hand torque bolting – Test reference TMJI10

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



### **SUPPORTING NOTES: PIPEFITTING**

The Connected Competence standard role profile for a Pipefitter sets out the knowledge, skills, technical competencies and behaviours that are expected from a fully competent Pipefitter 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.

The below information 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:

Кеу
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
L3 NVQ/SVQ/Diploma/SCQF6 in: Pipefitting; Installing Pipework Systems OR Installing Engineering Construction Plant and Systems – Pipefitting				

#### **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 pipefitters 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> <li>MJI10 Stage 1&amp;2 Training</li> </ul>	• TPF05, TPF10 and TPF08 not required	<ul> <li>No additional technical competencies</li> </ul>	<ul> <li>No additional technical competencies</li> </ul>	<ul> <li>SBT04 - Pneumatic testing</li> <li>Drawing information in TPF11 will be specific to hydrogen gas conditions</li> </ul>

