### Overview

Responding to the urgent need to attract and retain talent in the nuclear sector, Cogent Skills, as the Nuclear Skills Strategy Group (NSSG), reporting into the Nuclear Skills Delivery Group, is designing and developing pilot bootcamps for the nuclear sector.

The pilot Nuclear Pipe Welder bootcamp aims to:

* Improve competence
* Accelerate time to capability
* Increase capacity
* Develop experience

The aim of the bootcamps is to enable individuals in “mid-career” to develop their knowledge, skills and behaviours to be able to advance their career in the nuclear sector, and accelerate the time it takes to become a capable and competent nuclear pipe welder.

### Your help is needed!

We are seeking support from employers and other stakeholders to identify and recruit candidates onto the bootcamp.

* Do you employ any individuals that might benefit from the opportunity?
* Are there a group of employees that would benefit from the opportunity?
* Can you identify suitable individuals from your supply chain partners?

We are planning a webinar to support HR and personnel departments on the 17th April.

*Please nominate participants for the training (participant nomination form) If you have any queries regarding the training please contact (email address)*

### About the Pilot Bootcamp

Delivery timeline needs to be identified and confirmed with providers, however we anticipate bootcamps will start in May 2024.

**Candidates**: 12

**Duration**: 14 weeks

**Location**: Bridgewater & Taunton College.

* This course is best suited for individuals with experience in plate or rebar welding who are looking to upskill in pipe welding (candidates will need to meet eligibility criteria to access the course).
* This course will be predominantly Face to Face- Workshop and Classroom based. There will be opportunity for independent study and completing a weekly practical report of work completed.
* A practical suitability test will be undertaken at selection stage to gauge suitability of candidates. This practical assessment of participants will be conducted to determine current skill level within current field of welding specialism and have suitable hand-eye coordination to achieve BS EN ISO9606 in Pipe Welding following Bootcamp training.
* The candidates will be set tasks that lead to the achievement of at least one, and up to three BS EN ISO9606 Welder Qualifications on carbon and stainless-steel pipe butt welds, with 2” and up to 6” pipe. This offers candidates of differing abilities the chance to excel without having to work at the pace of others.

The table below outlines a summary and overview of the course delivery, with detailed aspects covered in the Course Module section later in this document. The timings of the sessions would be 09:00 – 16:30 with relevant breaks throughout the day.

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| Week  | Content  |
| Week 1  | Workshop Inductions, PPE issue, RPE Issue, Health and safety, Introduction to tools and equipment, Technical drawing activities and theory presentations, Welding shop familiarisation, Risk Assessments/ POWRA,  |
| Week 2   | Workshop Tasks - 6mm Plate-Beads & Pads, TIG Process - Low Carbon Steel - Positions - PA/1F, PC/2F,PF/3F - Visual Inspection.  |
| Week 3   | Workshop Task - 6mm Plate-V Butt Weld, TIG Process - Low Carbon Steel - Positions - PC and PF with opportunity to complete in position PE - Visual and Root Bend Test.  |
| Week 4   | Workshop Task - 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - Position PA/1G and PC/2G - Visual Inspection.  |
| Week 5   | Workshop Task - 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - Position PA/1G and PC/2G - Visual Inspection.  |
| Week 6   | Workshop Task - 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - Position PF/5G and H-LO45/6G - Visual Inspection.  |
| Week 7   | Workshop Task - 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - Position PF/5G and H-LO45/6G - Visual Inspection.  |
| Week 8   | Workshop Task - 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - Process H-LO45/6G - Visual Inspection.  **Week End 8 = Phase Test 1** - Coding attempt at 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - H-LO45/6G  |
| Week 9   | Workshop Task - 6mm Stainless Steel Plate - T - Fillet - TIG Process - Position PB, PF and PD - Visual and Macro Etch Test.  |
| Week 10   | Workshop Task - 2" Stainless Steel Pipe Sch40 V Butt Weld - TIG Process - Position PC/2G - Visual Inspection.  |
| Week 11   | Workshop Task - 2" Stainless Steel Pipe Sch40 V Butt Weld - TIG Process - Position H- L045/6G - Visual Inspection  **Week End 11 = Phase Test 1 Mop Up** - Coding attempt at 2" Low Carbon Steel Pipe Sch40 V Butt Weld - TIG Process - H-LO45/6G  |
| Week 12   | Workshop Task - 2" Stainless Steel Pipe Sch40 V Butt Weld - TIG Process - Position H- L045/6G - Visual Inspection.  |
| Week 13   | Workshop Task - 2" Stainless Steel Pipe Sch40 V Butt Weld - TIG Process - Position H- L045/6G - Visual Inspection.  |
| Week 14   | Workshop Task - 2" Stainless Steel Pipe Sch40 V Butt Weld - TIG Process - Position H- L045/6G - Visual Inspection  **Week End 14 = Phase Test 2** - Coding attempt at 2" Stainless Steel Pipe Sch40 V Butt Weld - TIG Process - Position H- L045/6G  |