

Prerequisites

Individual Seeking Permanent Joining Certification

- Have submitted a TÜV UK Ltd Permanent Joining application form complete with written instructions to be used during the examination.
- Have undertaken adequate training and have developed the required skills and ability to be able to manipulate the welding torch to produce a weld/braze that would pass a visual inspection in accordance with relevant inspection standard as per table B (Inspection standard and acceptance criteria are dependent on the standard selected for certification testing as defined in Table A)
- Have the competence and knowledge to understand and follow written instructions to produce a weld/braze.
- Have good manual dexterity.
- Have good hand to eye coordination.
- Have good visual acuity (e.g. be able to read a car number plate from a distance of 20m (with glasses or contact lenses if necessary)).
- Have available at the time of the examination the written instructions that were provided with the application.
- Have available at the time of the examination PPE, for example but not limited to flame retardant coveralls, welding mask/helmet, gauntlets/gloves, eye protection, appropriate breathing protection
- Have available a form of photographic identification, for example, driving licence (provisional or full), passport or other government issued identity card. If you are unable to provide photographic identification, please contact TÜV UK Ltd to discuss.

Facilities

- Practical Examination
 - Clean and tidy work area
 - Indoors or under cover
 - Dry, no standing water
 - Projection from drafts
 - Suitable cable management
- Written Examination
 - A quiet room
 - Adequate lighting
 - A table away from the workshop environment
 - Adequate seating arrangements for the candidate and examiner
- Should the examination test pieces be left on site, the below is required:
 - A safe and secure location away from the manufacturing environment is required.
 - Stored in a location with limited access.
 - Indoors/under cover.
 - Kept clean and dry.

Equipment / Material

- Welding or Brazing equipment / plant suitable for the joining process and parameters as defined in the written instructions.
- Equipment used for the qualification shall be adequately maintained and in good working order
- Welding or Brazing equipment / plant as required, shall be within 12 months calibration (Other supplementary codes or application standards may require a shorter calibration frequency, i.e. 6 months as defined in RCCM or National Highways Sector Scheme). Calibration shall be traceable to National or International Standards of measurement.
- The correct type, grade, shape and size of material as defined in the submitted written instructions and in accordance with the relevant selected certification standard.
- The material described above shall be prepared in accordance with the written instructions.
- A method of securing and positioning the test material for the examination as defined in the written instructions.
- Welding/brazing consumable (electrode, wire, flux, etc) as defined in the written instructions.
- Adequate lighting (minimum of 350 LUX, recommendation of 500 LUX as per BS EN ISO 17637:2016, or a minimum of 1076 LUX for ASME)
- Adequate LEV/RPE (Risk Assessment – HSE Guideline WL3)
- Adequate screening and access barriers
- Electrical power supply
- Gas supply

TÜV UK Limited have the right to cancel the examination should the individual's ability be in question or in doubt.