



Draft Preview

DRAFT APPRENTICESHIP ASSESSMENT PLAN FOR THE NUCLEAR WELDING INSPECTION TECHNICIAN APPRENTICESHIP

ST0292/V2

APPRENTICESHIP REFERENCE NUMBER	LEVEL OF THIS APPRENTICESHIP	INTEGRATION
ST0292	4	Mandatory qualification with apprenticeship assessment

Assessment Plan

Assessment details

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the level 4 nuclear welding inspection technician apprenticeship. It should be read in conjunction with the General Requirements for Apprenticeship Assessment. Where there is conflict between this AAP and the General Requirements, this AAP takes precedence. Assessment organisations must also comply with the relevant regulatory framework for apprenticeship assessment.

It is important that the assessment of apprentices is proportionate, valid, and provides reliable evidence of an apprentice's attainment of the relevant knowledge and skills. As such, assessment organisations must design assessments to ensure:

- employers have confidence that the apprentice has reached the expected performance standard
- apprentices are sufficiently secure in their knowledge and skills, so that they could demonstrate their competence in different contexts, for example, a different workplace

Assessment Outcomes

The assessment outcomes group and summarise the knowledge and skills that must be demonstrated in assessments. All assessment outcomes must be assessed.

The assessment outcomes have been created to summarise the content that is not fully assessed by the qualification or qualifications mandated in the occupational standard. The qualification or qualifications assess the knowledge and skills statements that are not mapped here.

Knowledge and skills statements in **bold** are mandatory and must be assessed in every version of the assessment that is made available.

Assessment Outcome	Mapping
AO1: Nuclear safety, regulatory compliance and risk management Applies nuclear legislation, regulatory requirements, safety practices and human performance principles within the nuclear environment, identifying hazards and adhering to engineering standards.	K1, K2, K4 S1, S4
AO2: Weld monitoring, quality assurance and technical oversight Monitors welding activities and adherence to quality standards, approved procedures and applicable standards.	K6, K12 S6, S10, S12
AO3: Inspection documentation and reporting Undertakes quality assurance of welding activities through inspection, verification, review of certification data and the production of quality records.	K14, K19 S15
AO4: Environmental and sustainability requirements Applies environmental and sustainability requirements, including relevant regulations, procedures, waste reduction, reuse, recycling and disposal practices.	K3 S3
AO5: Professional Practice and Collaboration Applies team working principles, business improvement techniques and inclusive practices, while supporting professional and ethical standards.	K15, K16, K17 S16, S18, S19, S23

Assessment requirements

Assessment organisations must set apprenticeship assessments. Assessment organisations should consider how technology and digital tools can support innovation and efficiency.

Assessment organisations must design apprenticeship assessments to include an **professional discussion**.

Any additional assessment, or assessments, must be selected from the following list of methods, to ensure the assessment outcomes are met in full. Assessments available in the list may be used more than once:

- **portfolio**

Assessment organisations must have due regard to any relevant frameworks, standards, guidance or other documents that may be published by industry regulators, professional bodies, and other representative groups.

Apprentices may be assessed at any appropriate point during their apprenticeship programme.

Assessments may be designed to allow a centre or training provider to mark assessments. The assessment organisation is responsible for ensuring all assessments are sufficiently reliable and valid, and for the accuracy of any centre or training provider marking.

Performance descriptors

Performance descriptors describe the level of performance required to achieve a pass or distinction grade. Assessment organisations must design assessments that align with these descriptions.

Performance Category	Pass	Distinction
Applied Knowledge	Applies sound application of theoretical and technical nuclear welding inspection knowledge in a broad range of complex or technical work activities, performed in a variety of contexts.	Applies precise application of theoretical and technical nuclear welding inspection knowledge in a broad range of complex or technical work activities, performed in a variety of contexts.
Applied Skills	Selects and applies practical nuclear welding inspection skills consistently in a broad range of complex or technical work activities, performed in a variety of contexts. Solves complex and non-routine nuclear welding inspection problems which are normally fairly well defined, with sound reasoning.	Adapts and applies practical nuclear welding inspection skills with flexibility and operational fluency in a broad range of complex or technical work activities performed in a variety of contexts. Solves complex and non-routine nuclear welding inspection problems which are normally fairly well defined, to improve outcomes.
Regulatory and Procedural Awareness	Analyses and interprets nuclear safety legislation, regulation, engineering standards and organisational procedures relevant to the nuclear welding inspection role with sound judgement.	Applies evaluation of nuclear safety legislation, regulation, engineering standards and organisational procedures relevant to the nuclear welding inspection role with insight and flexibility.
Communication and Collaboration	Communicates clearly and collaborates effectively with	Communicates confidently with colleagues and stakeholders, tailoring

	colleagues and stakeholders, adapting communication approaches to meet different needs or contexts. Contributes effectively to team working for a responsive customer service culture.	communication approaches effectively for different needs or contexts. Actively supports team working for an improved customer service culture.
Information Use and Decision Making	Analyses and interprets nuclear welding inspection information from diverse sources relevant to the role, making well supported conclusions with sound reasoning.	Applies evaluation of nuclear welding inspection information from diverse sources relevant to the role, making informed conclusions, providing insightful justification for decisions that improve outcomes.
Responsibility and Autonomy	Takes responsibility for courses of action in a nuclear welding inspection context, including, where relevant, taking responsibility for the work of others and allocation of resources. Exercises responsibility, autonomy and judgement within broad but generally well-defined parameters.	Proactively takes responsibility for courses of action in a nuclear welding inspection context, with confident autonomy and sound judgement within broad but generally well-defined parameters.

Professional recognition

This apprenticeship aligns with the requirements for professional body recognition as detailed in the occupational standard.

Additional qualification

The qualifications detailed in the occupational standard must be completed before the end of the apprenticeship.

Crown copyright 2026 You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. Visit www.nationalarchives.gov.uk/doc/open-government-licence.