

ST0898 Level 2 Water network operative Assessment Plan

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the level 2 Water network operative 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.

Assessment organisations must ensure all the core assessment outcomes and the assessment outcomes for one of the following options are assessed for each apprentice:

- Option 1: clean water network operative
- Option 2: waste water network operative

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

Knowledge and skills statements which offer opportunities to develop functional English and maths are identified with an asterisk.

Core Assessment Outcome	Mapping
AO1: Health, safety and environmental requirements Applies health, safety and environmental requirements and safe systems of work when carrying out water network tasks. Identifies workplace hazards and implements control measures to reduce risks. Uses safety equipment, such as gas detection equipment and PPE.	K1, K2, K3, K4, K5, K6, K10, K16, K19 S1, S2, S4*, S12
AO2: Water network work preparation and equipment Plans and prepares for water network activities by organising resources, locating underground services, carrying out excavation activities and maintaining site safety. Selects, operates, maintains and stores the tools and equipment required for work tasks.	K7*, K8, K9, K11, K12, K13, K14, K15, K24, K26 S3, S5, S6, S7, S8, S9, S10, S14*, S17, S20
AO3: Communication and team working Applies team working and communication techniques to support task completion. Uses information technology and digital systems to complete work documentation and maintain data security.	K17, K18, K20, K21, K22, K23, K25 S11*, S13*, S15*, S16, S18, S19
Option 1: Clean water network operative	Mapping
AO4: Clean water network construction and repair Construct, connect, modify and repair clean water network assets. Assesses asset condition and performance to identify and solve or escalate any issues.	K29, K30, K31, K32, K33, K36, K37, K41 S21, S22, S23, S24, S25, S27*, S28, S29, S30*, S31

AO5: Water quality and disinfection Follows hygiene procedures when working on the network. Applies regulations and procedures to carry out disinfection for clean water mains and services.	K27, K28, K34, K35, K38, K39, K40 S26*, S32
Option 2: Waste water network operative	Mapping
AO6: Waste water network construction and repair Prepares the site and constructs, installs, replaces and repairs waste water network equipment. Decontaminates tooling, equipment and PPE upon completion of work.	K42, K43, K45, K46, K49 S33, S34, S35, S36, S37, S40
AO7: Waste water network operation and flow management Identify and solve common issues within the waste water network, using pumps and mitigation methods to maintain flow.	K44, K47, K48, K50 S38, S39

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 assessments to include at least one observation or simulation.

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:

- **question and answer**
- **portfolio of evidence**
- **written test**

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 knowledge, facts, procedures and ideas, appropriately to a significant range of varied water network tasks and contexts, some of which are complex or non-routine.	Applies knowledge, facts, procedures and ideas, with insight or efficiency to a significant range of varied water network tasks and contexts, some of which are complex or non-routine.
Applied Skills	Selects and applies practical skills consistently in a significant range of varied water network activities and contexts, some of which are complex or non-routine. Solves straight-forward, well-defined problems, to the water undertaker's standard.	Integrates practical skills consistently in a significant range of varied water network activities and contexts, some of which are complex or non-routine. Routinely solves straight-forward, well-defined problems to the water undertaker's standard.
Regulatory and Procedural Awareness	Interprets legislation, regulation, and guidance relevant to the role and task, with minimal noncritical errors, although depth of insight or adaptability may be limited.	Interprets and applies legislation, regulations, and guidance relevant to the role and task, with minimal noncritical errors and with reasonable depth of insight or adaptability.
Communication and Collaboration	Communicates and collaborates effectively within a team or group setting to support water network operations.	Communicates with clarity within a team or group setting to support water network operations.

Information Use and Decision Making	Gathers and interprets information relevant to the role and task, informing decisions and actions that are fit for purpose in the work context.	Interprets and applies information and feedback relevant to the role and task, enabling decisions and actions that support task completion.
Responsibility and Autonomy	Takes responsibility for completing water network tasks and procedures. Exercises own judgement subject to overall direction or guidance. May collaborate with others perhaps through a work group or team.	Exercises informed judgement and self-direction when taking responsibility for completing tasks and procedures anticipating the needs of the task or team.