

ST0267 Level 2 Lifting Technician Assessment Plan

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the Level 2 Lifting 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.

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

- Option: Mobile crane operator
- Option: Crawler crane operator
- Option: Tower crane operator
- Option: Overhead crane operator

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
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AO1: Safety, Compliance and Risk Control. Applies health and safety regulations, industry guidance, environmental requirements, and personal protective equipment use to maintain safe lifting operations. Identifies hazards, mitigates risks, and escalates issues beyond own responsibility to ensure compliance across the working environment.	K1, K2, K3, K9, K10, K18*, K20 S1, S2, S3*, S6*, S7, S10, S15, S16
AO2: Communication and Team Coordination. Uses verbal, visual, and radio communication methods to coordinate with colleagues, signalers, and supervisors during lifting operations. Contributes to team activities to support safe and effective workflows.	K5, K8, K11, K12, K13, K14 S8, S9
AO3: Load Assessment, Lifting Operations and Slings Practice. Interprets lift plans, method statements, operator manuals, and site safety information to prepare for lifting operations. Selects and uses slinging techniques, assesses load limits, conducts accessory checks, and directs or guides load movement to achieve safe lifting outcomes.	K4*, K6, K7*, K15, K16*, K17*, K19* S4*, S5*, S11, S12, S13*, S14
Option: Mobile Crane Operator	Mapping
AO4: Mobile Crane Travel, Manoeuvring and Set-up. Accesses and configures the mobile crane for travel and on-site manoeuvring, applying hazard-identification principles, ground-condition assessment, and stability requirements. Positions the crane and deploys outriggers to prepare for lifting operations.	K21*, K22, K23*, K24*, K25, K26*, K27, K36* S17*, S18, S19, S20, S21, S22, S23*
AO5: Mobile Crane Lifting Operations and Control. Uses mobile crane operating systems, boom components, and hook-positioning methods to	K28*, K29*, K30, K31, K32, K33, K35 S24*, S25, S26, S27, S29

lift, move, and place loads. Maintains load stability, applies swing-correction techniques, and uses accessories safely during lifting operations.	
AO6: Mobile Crane Shutdown, Checks and Component Handling. Parks, secures, isolates, and shuts down the mobile crane in accordance with organisational and manufacturer requirements. Performs checks, maintenance activities, and collaborates with others to fit, remove, or de-rig extensions, jibs, and associated components.	K34, K37, K38, K39, S28, S30, S31
Option: Crawler Crane Operator	Mapping
AO7: Crawler Crane Travel, Manoeuvring and Set-up. Accesses and configures the crawler crane for travel and site manoeuvring, assessing ground conditions, traction, and stability factors. Positions the crane and completes lift configuration to prepare for operations.	K40, K41, K42, K43, K44, K45 S32, S33, S34, S35, S36, S37
AO8: Crawler Crane Lifting Operations and Control Operates crawler crane systems and components to lift, move, and place loads. Applies load-integrity techniques, swing correction, and safe use of accessories to achieve controlled lifting operations.	K46*, K47, K48, K49*, K50, K52, K53* S38*, S39, S40, S41, S43
AO9: Crawler Crane Shutdown, Checks and Component Handling. Secures and isolates the crawler crane after use, carrying out checks, inspections, and maintenance activities. Works with others to fit and remove extensions, jibs, and components, including supporting dismantling procedures.	K51, K54, K55, K56, S42, S44, S45
Option: Tower Crane Operator	Mapping

AO10: Tower Crane Access, Documentation and Set-up Accesses tower cranes using appropriate methods and harness systems, and interprets manuals, duties charts, and other documentation. Configures lift indicators and prepares the crane for controlled lifting operations.	K57*, K58*, K62, K64*, S46*, S49, S50
AO11: Tower Crane Lifting Operations and Control. Uses tower crane jibs, trolleys, hook blocks, and electronic aids to lift, move, and place loads at optimal radius and slew. Maintains load integrity, manages hazards and zoning conditions, and applies swing-correction techniques during lifting.	K59, K60, K63, K65, K66, K67, K68, K69, K71 S47, S48, S51, S52, S53, S54, S56
AO12: Tower Crane Shutdown, Inspections and Out-of-Service Control. Secures and shuts down the tower crane, including placing the crane into free-slew mode. Conducts inspections and contributes to maintenance and predetermined inspection requirements.	K61, K70 S55, S57
Option: Overhead Crane Operator	Mapping
AO13: Overhead Crane Access, Travel and Set-up. Accesses and configures overhead cranes for travel and load movement, assessing hazards, zoning, and stability factors. Positions and prepares the crane for lifting in accordance with operational procedures.	K72*, K73, K74, K75, K77* S58, S59, S60, S61, S62, S63
AO14: Overhead Crane Lifting Operations and Control. Operates overhead crane components, including hoists, paired-crane arrangements, hooks, and control systems, to lift, move, and place loads	K76, K78, K79, K80*, K81, K82, K83, K85, S64*, S65, S66, S67, S69

safely. Applies stability and swing-correction techniques throughout lifting operations.	
AO15: Overhead crane shutdown, checks and inspections. Secures and isolates the overhead crane following lifting operations, including basic look-over inspections. Uses accessories appropriately and ensures the crane is left in a safe state.	K84, K86*, K87 S68, S70

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 **simulation**.

Any additional assessment(s) must be selected from the following list of methods to ensure the assessment outcomes are met in full:

- **additional simulation**
- **observation**
- **written assessment**
- **interview**
- **questions and answers**
- **portfolio**

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.

Assessment organisations must have due regard to all relevant frameworks, standards, and industry-recognised practices and guidance published by regulators, professional bodies, Sector Representative Organisations (SROs) and Standard Setting Bodies (SSBs).

Assessment organisations must design apprenticeship assessment that meets the following requirement(s):

- fully aligns with the Industry Competence Steering Group (ICSG) competence frameworks listed below, where they relate to assessment of the knowledge and skills within the apprenticeship-occupational-standard
 - Plant Sector Representative Organisation (PSRO) Framework, Version V2, published January 2022
- fully aligns with the CSCS alliance member card scheme requirements, insofar as they relate to assessment of the knowledge and skills within the apprenticeship-occupational-standard, such that the apprentice may use attainment of the apprenticeship assessment to support an application for the Construction Plant Competence Scheme (CPCS) Competent operator card.

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 to complete well defined lifting operations tasks and solve straightforward problems across routine and some varied work activities.	Demonstrates highly accurate, insightful, and efficient application of knowledge, facts, procedures, and ideas to solve straightforward problems and adapt effectively to well defined lifting operations tasks.
Applied Skills	Selects and uses cognitive and practical lifting operations skills to carry out mostly routine tasks with consistency and purpose.	Integrates cognitive and practical lifting operations skills to execute mostly routine tasks with precision, even when faced with subtle complexities or shifting requirements.
Regulatory and Procedural Awareness	Applies legislation, regulations, and organisational procedures relevant to lifting operations without error, although depth of insight or adaptability may be limited.	Demonstrates proactive and confident interpretation of legislation, regulations, and organisational procedures relevant to lifting operations.

Communication and Collaboration	Communicates and collaborates effectively within team settings, contributing reliably to service delivery and supporting coordinated lifting operations when required.	Consistently communicates with clarity and sensitivity, showing strong awareness of others and responding resourcefully across a range of team and service delivery scenarios.
Information Use and Decision Making	Gathers and interprets relevant information to inform decisions and actions that are fit for purpose in the lifting operations context.	Gathers and interprets relevant information and feedback to shape actions that are purposeful and demonstrate clear added value in terms of efficiency or outcomes.
Responsibility and Autonomy	Takes responsibility for completing lifting operations tasks, demonstrating autonomy within familiar situations.	Exercises informed judgement and self direction in lifting operations tasks, often anticipating the needs of the task or team.