ST0317 Level 2 Rail engineering operative Assessment Plan

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the Level 2 Rail engineering 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: rail infrastructure

- Option 2: rail operations

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

Core Assessment Outcome	Mapping
AO1: Health, Safety and Environmental Compliance Description: The apprentice complies with statutory, legislative and organisational health, safety, and environmental requirements, including hazard identification, safe systems of work, environmental protection principles, resource efficiency, and waste handling requirements	**K1, K2, K3, K4** **S1, S2, S3**

AO2: Work Planning, Preparation and Worksite Control Description: The apprentice prepares, checks and manages own workload and assists with the reinstatement of work areas while supporting routine maintenance tasks. They complete documentation and comply with safety critical competence requirements in their role, including a relevant infrastructure personal track safety certification, for example PTS.	**K8*,** K9*, **K11*, K12*,** **K13** **S4, S5*, S6*,** **S8*, S9**
AO3: Commercial and organisational awareness Description: The apprentice is aware of aware of lifecycle, seasonal considerations and business and customer impacts in the setup and completion of rail maintenance activities.	K5, K6, K7
AO4: Communication, Teamworking and Escalation Practices Description: The apprentice communicates using verbal and written methods, applies sector terminology, maintains relationships with colleagues and stakeholders, applies EDI principles, and follows escalation protocols for issues, defects, hazards, and operational concerns.	K18, **K19*,** **K20*,** K21 S10, **S11,** S14, **S15, S16**
AO5: Tools, Equipment and Material Handling Description: The apprentice selects, uses, moves, and stores tools, equipment, components and materials to support rail engineering activities. They comply with lifting, movement, storage and operational safety requirements.	K16, K17 **S12, S13**
AO6: Rail System Knowledge, Role Responsibilities and Boundaries Description: The apprentice demonstrates understanding of the rail system, including infrastructure components and operational characteristics, and recognises the responsibilities, limits of competence, integrity and compliance checks.	**K10**, **K14, K15** **S7***, S17*
Option 1: Rail infrastructure	**Mapping**
AO7: Rail Infrastructure Installation, Inspection and Maintenance Description: The apprentice supports lifecycle-based infrastructure activities like the installation, maintenance and renewal of rail infrastructure assets, and assists with inspections and the testing and recording of results. They work with and comply with site	K22, **K23,** **K24,** K25*, **K26, K27, K28** **S18, S19,** **S20, S21,** **S22, S23**

layout, measurement, and marking principles for infrastructure works.	
Option 2: Rail operations	**Mapping**
AO8: Rail Operational Activities, Isolations and Worksite Protection *Description: The apprentice assists with the preparation and use of specialist operational equipment under supervision, supports isolations, possessions and worksite duties, and contributes to the safe movement and coordination of OTP or OTM. They assist with the recording and reporting of rail operational information, defects and hazards, and carry out work using approved procedures and quality assurance frameworks.*	**K29, K30, K31, K32*,** K33, K34 **S24, S25, S26, S27*, S28***

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

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 an **interview method** and, if applicable, any relevant constraints.

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

- portfolio
- question and answers

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	Demonstrates appropriate application of rail engineering knowledge, facts, procedures, and ideas to complete well-defined tasks and solve straightforward problems across routine and some varied work activities, drawing on familiar situations to achieve reliable outcomes.	Demonstrates highly accurate, insightful, efficient application of rail engineering knowledge, facts, procedures, and ideas to solve straightforward problems and adapt effectively to well-defined tasks across routine and some varied work activities, optimising approach within familiar situations.
Applied Skills	Selects and uses cognitive and practical rail engineering skills to carry out mostly routine tasks with consistency and purpose in familiar situations, following established methods across routine and some varied work activities.	Integrates cognitive and practical rail engineering skills to execute mostly routine tasks with precision, even when faced with subtle complexities, coordinating methods effectively across routine and some varied work activities in familiar situations.
Regulatory and Procedural Awareness	Applies legislation, regulations, and guidance relevant to rail health, safety, environmental and operational requirements with minimal error, although depth of insight may be limited, following approved processes for well-defined tasks and straightforward problems in familiar situations	Demonstrates proactive and confident interpretation of rail health, safety, environmental and operational legislation, regulations and guidance to address well-defined tasks and straightforward problems in familiar situations across routine and some varied work activities.

	across routine and some varied work activities.	
Communication and Collaboration	Communicates and collaborates effectively within team settings, using sector terminology appropriately and showing reliable teamwork and customer or stakeholder support skills when required, contributing to well-defined tasks and straightforward problems in familiar situations across routine and some varied work activities.	Consistently communicates with clarity and sensitivity, showing strong awareness of others and responding resourcefully in a range of team and stakeholder scenarios while supporting well-defined tasks and straightforward problems in familiar situations across routine and some varied work activities.
Information Use and Decision Making	Gathers and interprets relevant information to inform decisions and actions that are fit for purpose in the work context, supporting well-defined tasks and addressing straightforward problems in familiar situations across routine and some varied work activities.	Gathers and interprets relevant information and feedback to shape actions that are purposeful and show clear added value in terms of efficiency or outcomes, supporting well-defined tasks and straightforward problems in familiar situations across routine and some varied work activities.
Responsibility and Autonomy	Takes responsibility for completing rail engineering tasks, demonstrating autonomy within limits of authority and maintaining consistency and purpose when completing well-defined tasks and addressing straightforward problems across mostly routine work and some varied activities.	Exercises informed judgement and self-direction, often anticipating the needs of the task or team, while delivering well-defined tasks and addressing straightforward problems in familiar situations across mostly routine work and some varied activities.