



Draft Preview

DRAFT APPRENTICESHIP ASSESSMENT PLAN FOR THE RADIO NETWORK TECHNICIAN APPRENTICESHIP

ST0757/V2

APPRENTICESHIP REFERENCE NUMBER	LEVEL OF THIS APPRENTICESHIP	INTEGRATION
ST0757	3	None

Assessment Plan

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the Level 3 Radio Network 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.

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
<p>AO1 Radio frequency planning and propagation analysis</p> <p>Demonstrates the ability to plan and analyse radio frequency paths, considering propagation principles, frequency selection, and interference mitigation, selecting location and identifying the causes of issues and impacts and how to reduce these.</p>	<p>K1*, K7, K8, K9*, K11, S1*, S2*, S5, S7*</p>
<p>AO2: Installation and configuration of radio network equipment</p> <p>Apply the principles of electrical theory and consider the difference in network behaviour when installing, configuring and maintaining radio network components in accordance with design specifications and operational requirements.</p>	<p>K2, K4, K5, K6*, K10, S3, S4, S13</p>
<p>AO3: Fault diagnosis and network performance optimisation</p> <p>Apply diagnostic techniques and software monitoring tools to identify, report and resolve faults, and enhance network performance using data and user feedback to overcome communication issues and improve system performance.</p>	<p>K3, K12*, K13*, K14, K15*, K16, S8, S9*, S10*, S11, S12*, S14*, S15*</p>
<p>AO4: Security, safety and ethical compliance</p> <p>Apply organisational health, safety and security protocols in network operations, ensuring ethical and regulatory compliance and access field-based sites according to required procedure.</p>	<p>K17*, K18*, K19, K20*, K21*, S17*, S18</p>
<p>AO5: Work planning, prioritisation and team collaboration</p> <p>Work within agile and multidisciplinary teams and use computer feedback when setting priorities and resolving issues. Plan and prioritise work effectively, communicate with stakeholders, and create written work plans.</p>	<p>K22*, K23, S6*, S19*, S20</p>
<p>AO6: Professional development and industry awareness</p> <p>Demonstrate awareness of the radio network technician's role within the industry, including</p>	<p>K24*, K25, K26, K27, S16, S21</p>

sustainability and continuous professional development.

(*) 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 apprenticeship assessments to include a **professional discussion** 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**
- **presentation**
- **observation**
- **question and answer session**
- **report**
- **simulated task**

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

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 sound application of radio-network knowledge, facts, procedures, and ideas across routine and non-routine tasks, completing them to an acceptable standard within familiar but sometimes complex work contexts.	Applies a thorough understanding of radio-network knowledge, facts, procedures, and ideas to manage and resolve routine and non-routine tasks with discernment and skill, showing confidence in navigating occasionally complex work contexts.
Applied Skills	Identifies and applies appropriate radio-network skills, methods, and procedures to complete tasks and address challenges with a reasonable degree of autonomy and effectiveness.	Selects and integrates appropriate radio-network skills, methods, and procedures proactively and resourcefully to complete tasks and address challenges effectively and with minimal oversight.
Regulatory and Procedural Awareness	Applies organisational and regulatory requirements relevant to radio-network operations without error, showing some depth of insight and adaptability in familiar but sometimes complex work contexts.	Demonstrates refined judgement in interpreting organisational and regulatory requirements, confidently navigating nuanced issues in practice to ensure compliance across routine and non-routine tasks.
Communication and Collaboration	Participates effectively in multidisciplinary team environments, demonstrating clear communication and appropriate stakeholder	Communicates persuasively and adapts confidently to different audiences and team dynamics, taking initiative in stakeholder and colleague interactions to support effective task

	engagement that supports daily service delivery and team objectives.	completion and service delivery.
Information Use and Decision Making	Accurately interprets and evaluates relevant radio-network information from a variety of sources to support problem-solving in mostly familiar but sometimes complex work contexts.	Evaluates diverse and sometimes conflicting radio-network information sources with insight, drawing informed conclusions that improve task outcomes or operational efficiency.
Responsibility and Autonomy	Takes responsibility for initiating and completing radio-network tasks within set parameters and, where relevant, contributes to guiding or supporting others with a reasonable degree of autonomy.	Pre-empts the need for radio-network tasks to be initiated within set parameters, demonstrating accountability and responsiveness to emerging priorities or risks, and leading others to achieve team outcomes.

Professional recognition

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

Please contact the relevant professional body for further information.

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