SPECIFICATION – LEVEL 3 FALL PROTECTION TECHNICIAN V1.0 ST0614

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Introduction

The Fall Protection Technician Level 3 apprenticeship develops the competence required to install, inspect, test, and maintain fall protection systems in a variety of environments, including construction sites, industrial facilities, and commercial buildings. The role involves working to recognised industry and regulatory standards, ensuring health and safety compliance, and supporting the safe working practices essential to protecting people when working at height.

Key Information	
Name	Fall Protection Technician ST0614
Level	3
Duration	12 months on-programme, 3 months EPA window
Funding Band	£8,000
Prerequisites and Entry Requirements	Before final assessment of the qualification, the Learner must be employed in a relevant role, meet Gateway requirements before taking the End-Point Assessment. have completed a portfolio of evidence and, if applicable, have passed the required Functional Skills. There are no mandatory qualifications required for this this End-Point Assessment.
Methods of Assessment	There are three assessment methods, workplace observation, professional interview (Underpinned by a portfolio of evidence) and a Knowledge Test.
Grading	Learners will be assessed across all 3 assessment components and awarded a grade of Fail, Pass, or Distinction. The overall result from each assessment method is combined to decide the overall grade of a Fail, Pass, or Distinction. Grading criteria are outlined in the End-Point Assessment Plan and associated guidance documents.
Link to assessment plan	Fall protection technician / Skills England

End-Point Assessment Objective

The End-Point Assessment (EPA) confirms that the apprentice has achieved the required competence to work independently as a Fall Protection Technician, demonstrating the ability to install, inspect, test, and maintain fall protection systems safely, in line with industry standards and health and safety regulations, across a range of working at height environments.

Programme Structure

Throughout the programme, apprentices will gain practical skills and underpinning knowledge in a variety of settings. They will be employed in a relevant role for a minimum of 15 months, during which they will compile a portfolio of evidence with support from their assessor. The assessor will monitor progress against the standard to ensure the apprentice is fully prepared for the EPA.

Available Support

Sample assessment materials for the workplace observation, professional interview and knowledge test are available to approved training providers to support learner preparation and ensure consistency in delivery.

KSB Mapping Table

Knowledge	Assessment Method
K1: Health and safety legislation, requirements and procedures including: Working at Height Regulations, LOLER, COSHH.PAT testing, asbestos awareness, Health and Safety at Work Act, The Provision and Use of Work Equipment Regulations, Measuring Instruments Regulations, Personal Protective Equipment at Work Regulations, Construction Design Management, relevant current BS/EN standards, manual handling, lone working procedure and precautions.	Knowledge Test
K2: Maintenance of tools and equipment including: PPE, harness and roped access, first aid kit, inspection techniques, recalibration regimes, inspection records and additional checks in poor weather.	Observation
K3: The principles of working at height and the different types of height safety (roped access techniques, horizontal and vertical track systems) and access equipment (MEWP, tower scaffold, ladder) including techniques and the limitations of each, permits to work, licencing and storage requirements.	Professional Interview
K4: The range of structural fixings typically used in fall protection (masonry fixings mechanical & chemical, concrete fixings mechanical & chemical, roof sheet fixings, rivet and toggle, steelwork fixings, bolts/ clamps and hollow fix, tension in fixings – required torque, use of sprung washers and locking nuts). The limitations and application of these fixings, bimetallic corrosion, installation techniques, how to deal with varying site conditions, functional tests for installed equipment and completion of mandatory records.	Knowledge Test
K5: Engineering principles including: setting out and surveying, forces, mass, weights units of measure and the principle of lever arms, principles of loads absorption, physiology of arresting a fall, identification of building materials including accurate identification of masonry construction, identification of building structure, bimetallic corrosion. Materials sciences including an understanding of why specifications are important and a basic understanding of the characteristics of failure.	Knowledge Test
K6: Structural fixings and installation techniques including: interpreting drawings, setting out, the range of fall protection systems and components, how to deal with varying site conditions, functional tests for installed equipment and completion of mandatory records. System and component identification consequences of utilising wrong, mismatching or untested.	Professional Interview
K7: The safe use and limitations of access equipment.	Observation
K8: Principles of loads absorption, physiology of arresting a fall, harness fatigue & fall clearance differing, consequences of differing product applications.	Professional Interview
K9: Legal liabilities, following manufacturer's specifications and installation instruction. The importance of record keeping.	Knowledge Test

K10: Digital technologies for the transfer and recording of information, BIM, QA systems.	Observation
K11: The range of working environments including construction, industry, retail, residential, energy and infrastructure; the characteristics and hazards associated with each. Working at height, on the ground and in confined spaces, what constitutes a confined space, the training permits required to enter one and when to apply the principles of working at height.	Knowledge Test
Skill	Assessment Method
S1: Undertake standard tool and equipment checks: Identify and inspect the equipment in accordance with the relevant regulations, report any irregularity, understand PAT testing and recalibration equipment's, inspection of PPE, inspection of harnesses and roped access equipment, inspection of hand and electrical tools, ladder inspection, vehicle inspection – and adverse weather precautions, first aid kit inspection. Keep accurate records.	Observation
S2: Install and set up fall protection systems (structural fix, top fix cable system and handrail), ensure the correct materials and equipment to carry out the installation is present in strict accordance with the design, specification and product instructions.	Observation
S3: Use access and work at height equipment in accordance with training and employer's/manufacturer's instructions and relevant regulations: MEWP, safety ladders, horizontal and vertical systems.	Observation
S4: Interpret design specifications: accurately read engineering drawings, details, specifications, quantities; verify that goods on site match the design, verify that the conditions, materials and structure on site match the design, identifying omissions	Observation
S5: Use digital information systems to communicate and record information in accordance with QA systems and specific client requirements.	Observation
S6: Understand work methods and plan ahead to anticipate potential issues.	Professional Interview
S7: Measure quantities and stocktake, demonstrating accuracy in on site conditions.	Observation
S8: Effective communication and team work, be alert and able to alert others to differing site conditions or potential hazards. Escalate issues appropriately.	Observation
S9: Safe access: Safely select, and utilize the correct equipment for the task and onsite conditions (S5)	Observation
S10: Carry out dynamic risk assessments.	Observation
Behaviours	Assessment Method
B1: Promote a positive health, safety & environmental culture through situational awareness and personal example.	Professional Interview

B2: Apply rigor and attention to detail in all tasks.	Observation
B3: Take responsibility for own judgments, actions and standards of work, be aware of the limits of their own competence, take initiative for ensuring their own competence is maintained and update	Professional Interview
B4: Determined to succeed, consistently achieve personal and organisational targets, act to resolve day to day issues, receptive to new ideas and respond well to day-to day challenges.	Professional Interview
B5: Willing to learn and continually develop, keeping up-to-date with current legislative and industry regulations and guidelines.	Professional Interview