EPA96: ST0251

LEVEL 2

Stairlift, Platform Lift, Service Lift Elecrotromechanic

End-Point Assessment Specification

LEIA ASSESSMENT

About the Apprenticeship Standard

Apprenticeship Standard	Stairlift, Platform Lift, Service Lift Electromechanic
Standard code (ST0xxx)	ST0251
Level	2
Date apprenticeship standard approved for delivery	19/03/2020
Date apprenticeship standard scheduled for review	19/03/2023
Version	1.1
Typical Duration of apprenticeship (excluding EPA)	12 months
Pre-entry requirements for apprenticeship	For individual employers to decide

Knowledge, skills and behaviours

Knowledge skills and behaviours of the apprenticeship standard that must be learnt during the apprenticeship prior to end-point assessment.

Knowledge	Skills
Risk assessment, method statements and manufacturer instructions in relation to either installation, or service and repair. Industry specific safety Standards and legislation, such as working at height and electrical isolation methods in respect of one's own safety and of others. Correct use of personal protective equipment. Environmental recycling/ disposal processes.	Apply risk assessments and implement risk control measures. Follow method statements in relation to specific work activities work responsibly in safety×critical environments..
The principles and operation of components making a Stairlift, Lifting Platform or Service Lift system. The use of tools and measuring instrumentation and fault-finding techniques for mechanical equipment.	Select adjust and set up mechanical components as per product design, including safety components. Use mechanical equipment such as torque wrenches, measuring equipment etc.
The principles and operation of components making up a Stairlift, Lifting Platform or Service Lift system.	

Knowledge, skills and behaviours (cont.)

Knowledge	Skills
The principles and operation of electrical and electronic control systems. The use of tools and measuring instrumentation and fault-finding processes for electrical/ electronic systems.	Use electrical and electronic measuring tools, to carry out fault diagnosis using a range of approved methods. Be able to wire a system as per the electrical wiring schematic.
Engineering drawings, documentation, regulations, Standards and manuals. When and how to seek guidance where planning activities are beyond their individual scope of involvement. Planning, unloading and storage of materials, applying knowledge of manual handling.	Communicate with the customer in a professional manner and schedule work efficiently; to read engineering drawings and documentation, regulations, Standards and manuals, using them to carry out fault diagnoses, inspection and repair; to write legible reports.
Pathway 1: Stairlift Installation	
The principles, practices and legislation for the installation and testing of stairlifts including; rack and pinon systems, hinge rail systems, and the installation requirements for straight and curved stairlift designs.	Set up stairlift systems for example curved or straight rail systems. Check stairlift components for correct operation, alignment, and the security of fixings. Commission and test installations, place into use.
Pathway 2: Stairlift Service and repair	
The principles, practices and legislation for the servicing and maintenance of stairlift systems including; Battery charging systems, printed circuit boards, wiring looms, chair swivel systems, hinged rail systems and stairlift safety devices.	Carry out service and repair on stairlifts including, checking for correct operation and integrity, ensuring the ride quality is smooth. Check positioning systems are set up and that they are working to specification. Check stairlift travel requirements. Check function and safety and return to normal use.
Pathway 3: Lifting Platform Installation	
The principles, practices and legislation for the installation and testing of lifting platforms including; shaft structures, aperture frames, hydraulic and mechanical systems, safety devices, and traction systems.	Set up systems for example hydraulic and mechanical used on lifting platforms, and check components for correct operation. Commission and test installations, place into use.

Knowledge, skills and behaviours (cont.)

Knowledge	Skills
Pathway 4: Lifting Platform Service and Repair	
Diagnosis, service, repair and maintenance of existing Lifting Platforms, ensuring that they function in line with manufacturer's requirements.	Carry out service and repair on lifting platforms including, checking systems for correct operation and integrity. Check lifting platform positioning systems and travel requirements are set up and that they are working to specification. Use tools, measuring instrumentation and faul-finding processes for hydraulic systems. Check function and safety and return to normal use.
Pathway 5: Service Lift Installation	
The principles, practices and legislation for the installation and testing of service lifts including; shaft structures, aperture frames, hydraulic and mechanical systems, safety devices, and traction systems.	Set up systems for example hydraulic and mechanical systems used on service lifts, check components for correct operation. Commission and test installations, place into use.
Pathway 6: Service Lift Service and Repair	
The principles, practices and legislation for the servicing and maintenance of service lift systems including; safety interlock systems, control systems, wiring looms and safety gear, rupture valve and overspeed protection systems.	Carry out service and repair on service lifts including, checking systems for correct operation and integrity, ensuring the ride quality is smooth. Check service lift positioning systems and travel requirements are set up and that they are working to specification. Check function and safety and return to normal use.

Knowledge, skills and behaviours (cont.)

Behaviours	
Hazards and consequences of their working methods and environment; not only for themselves but colleagues and members of the public. Working safely and understanding the effects of their acts or omissions on others. Developing a 'safety-first' mentality. When to seek advice and guidance if a problem is beyond their scope of knowledge and competence. Treating others with dignity and respect. Different viewpoints and needs, actively listening and co-operating with others creating trust and team spirit. Self-development and progression. Making independent decisions concerning their work practices.	Meeting goals and objectives with a positive approach, to their own needs. Communicating positively with managers, clients and members of the public and contributing to team meetings. Encouraging two-way communication and actively listening, and seeking feedback so communication is clear and understood. Eco-efficient values, respect of work place environment, others, property and their tools in the way they operate and work. Working to company codes of practice for safe working and code of conduct. A high ethical and professional standard, treating others with respect and honesty.

Gateway to End-Point Assessment (pre-entry requirements to End-Point Assessment)

Mandated qualifications during apprenticeship	Level 2 QCF NVQ Diploma in Engineering Maintenance and Installation following an appropriate pathway in installing stairlifts, servicing stairlifts, installing lifting platforms, servicing lifting platforms, installing service lifts or servicing service lifts.
Minimum time in learning prior to undertaking End-Point Assessment	12 months
Maths (level)	Mathematics at Level 2 attempted
English (level)	English at Level 2 attempted
Any other gateway requirements	Portfolio of evidence
The process for Reasonable adjustments	Application at least 3 months prior to EPA via Reasonable Adjustments and Special Considerations Policy (EPA21)

End-Point Assessment (EPA)

Name of End-Point Assessment organisation		LEIA
End-Point organisation code		EPA0269
About LEIA		Trade association for the Lift and Escalator industry
Contracting, planning and scheduling end-point assessment		Email **epa@leia.co.uk**
Duration of EPA		4 months
Assessment Plan version number that LEIA is operating to		Version 1.1
Objective of the End-Point Assessment		Apprenticeship completion
End-Point Assessment methods	**Assessment method 1:**	Knowledge Test
	Assessment method 2:	Practical Assessment with questions
	Assessment method 3:	Professional Discussion underpinned by a portfolio of evidence
Language of the End-Point Assessment		All components of the EPA will be conducted in English. The apprentice may be assessed in British Sign Language where it is permitted for the purpose of reasonable adjustment.
Mock materials provided		Knowledge Test / Professional Interview Questions

End-Point Assessment methods

	1: Knowledge Test	2: Practical Assessment with questions	3: Professional Discussion underpinned by a portfolio of evidence
KSBs to be assessed	See assessment plan	See assessment plan	See assessment plan
Duration	60 minutes	5 hours	60 minutes
Delivery methods (face to face / remote)	Face to face / Remote	Face to face	Face to face / Remote
Location	To be decided per apprentice	Apprentices workplace or agreed other location	To be decided per apprentice
Equipment or resources required	Computer	To be determined pathway	Possibly Computer / Portfolio of evidence
Assessor apprentice ratio	10:1 face to face, 1:1 remote	1:1	1:1
Number of questions (if applicable)	30	8	14
Grading	Fail, Pass, Distinction	Fail, Pass, Distinction	Fail, Pass, Distinction

Results and grading

The process for Special Considerations	Application after assessment within 48 hours as per Reasonable Adjustments and Special Considerations Policy (EPA21)
End-Point assessment final grading	Fail, Pass, Merit, Distinction
Re-sits and retakes	Within the EPA 6 months
Complaints and appeals	Formal request via Complaints and Appeals Policy (EPA06)
Certification process	Cerificate claimed directly from the Education Skills Funding Agency

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LEIA Assessment
Lift and Escalator Industry Association
Rotherwick House, 3 Thomas More St,
St Katherine's & Wapping, London E1W 1YZ

www.leia-assessment.co.uk

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