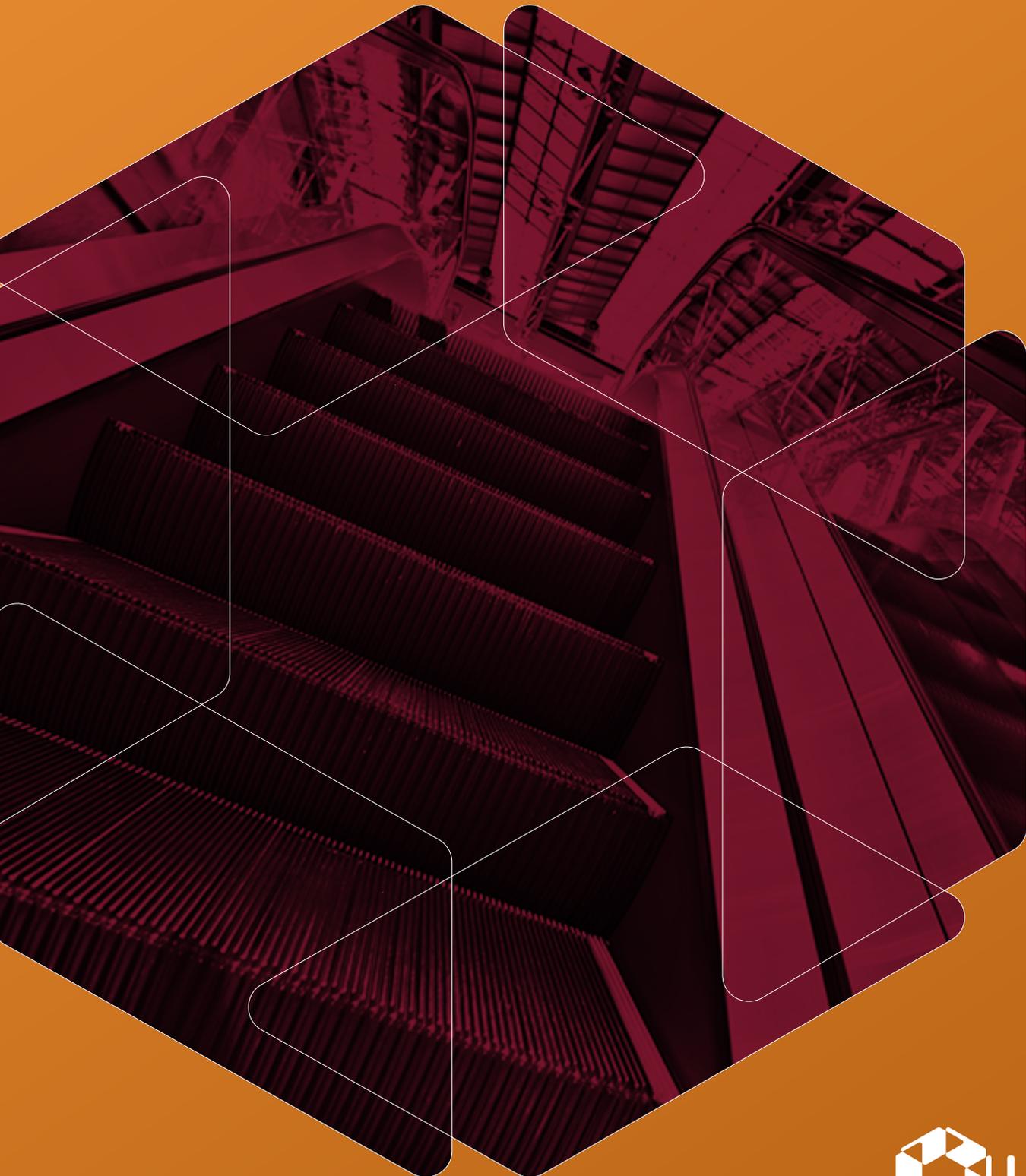

ST0252

LEVEL 3

Lift & Escalator
Engineering

Grading Table



Grading Table

The assessor will mark each assessment using the criteria in this Grading Table document. The marks from all three assessments are then combined to reach an overall grade, as below:

Pass	Distinction	Fail
Achieve a minimum of a pass in all 3 methods	Achieves a distinction in all 2 methods which the grade exists (knowledge test and Interview underpinned by a portfolio of evidence)	Fails to gain a pass in any one of the assessment methods

CONTENTS

1. Knowledge test grading	3
2. Practical assessment with questioning grading	3
3. Interview underpinned by a portfolio of evidence grading	5

1. Knowledge Test grading

Fail	Pass	Distinction
A score of 20 out of 30 or fewer would indicate insufficient knowledge	A score of 21-25 out of 30	A score of 26 or greater out of 30

2. Practical assessment with questioning grading

Grading Descriptors		
Grouped Category	KSBs	Pass
Documentation	K20 S12	Records or enters information, paper based or electronic, in line with the task and site requirements. (K20, S12)
Work area: set up and restore	K25 S11	Prepares, maintains and restores the work area on completion of the activity in line with the task and site requirements. (K25, S11)
Fire safety and vulnerable people	K5, K14	Explains fire safety measures relating to the lift, escalator or moving walk, including correct operation of electrical fault, overload and over temperature protection, and control of combustible materials. (K5) Explains the requirements and their responsibilities for meeting the needs of vulnerable people in a lift, escalator or moving walk environment, including access, evacuation, fire and emergency use. (K14)
Complying with safety regulations	K3 S1, S10 B1	Complies with health and safety regulations, standards, site notices and industry guidance including method statements and risk assessments, putting health and safety first in line safe working practices. (K3, S1, S10, B1)
Control systems	K13 S5	Accesses digital and analogue control and drive systems to meet the task requirements. (K13, S5)
Specialist Option 1: Lift installation		
Lift Installation	K29, K37, K38, K39 S17, S22, S23, S24	Applies procedures to take the lift out of service, accessing and egressing either lift pit or top of car spaces in line with British standards and manufactures guidelines. (K29, K38, K39, S17, S23, S24) Applies procedures to put the lift back into service and confirms correct operation in line with safe working practices and manufacturers guidelines. (K37, S22)

2. Practical assessment with questioning grading (cont.)

Specialist Option 2: Escalator or moving walk installation		
Grouped Category	KSBs	Pass
Escalator or moving walk installation	K40, K45, K46, K47 S25, S28, S29, S30	<p>Takes the escalator or moving walk out of service, accessing and egressing bottom return in line with British standards and manufactures guidelines. (K40, K46, K47, S25, S29, S30)</p> <p>Applies procedures to put the escalator or moving walk back into service and confirms correct operation in line with safe working practices and manufacturers guidelines. (K45, S28)</p>
Specialist Option 3: Lift maintenance and repair		
Taking a lift out of service and putting back into service	K48, K56, K57, K58 S31, S37, S38, S39	<p>Applies procedures to take the lift out of service, accessing and egressing either lift pit or top of car spaces in line with British standards and manufactures guidelines. (K48, K56, K57, S31, S37, S39)</p> <p>Applies procedures to put the lift back into service and confirms correct operation in line with safe working practices and manufacturers guidelines. (K58, S38)</p>
Specialist option 4: Escalator or moving walk maintenance and repair		
Taking an escalator or moving walk out of service and putting back into service	K59, K67, K68, K69 S40, S45, S46, S47	<p>Takes the escalator or moving walk out of service, accessing and egressing bottom return in line with British standards and manufactures guidelines. (K59, K67, K68, S40, S45, S46)</p> <p>Applies procedures to put the escalator or moving walk back into service and confirms correct operation in line with safe working practices and manufacturers guidelines. (K69, S47)</p>

3. Interview underpinned by a portfolio of evidence grading

Planning, tools and resources		
KSBs	Pass	Distinction
K6, K12, K27 S3, S8	<p>Explains how they identify, organise, and use resources to complete tasks, with consideration for cost, time, business operation, quality, safety, security, and environmental impact. (K6, K27, S8)</p> <p>Explains how they use tools, alignment equipment and measuring devices in line with organisational and manufacturer's requirements and describes how they complete calibration checks on this equipment. (K12, S3)</p>	<p>Explains the benefits to the organisation and their team of planning and organising resources to complete tasks. (K6, K27, S8)</p> <p>Explains why completing calibration checks is important to the organisation. (K12, S3)</p>
Interpreting and using information		
KSBs	Pass	Distinction
K4 S7	Explains how they interpret and use engineering documentation in line with task and organisational requirements. (K4, S7)	None
Environmental and sustainability		
KSBs	Pass	Distinction
S2 B6	Explains how they take personal responsibility for their own sustainable working practices, and how they comply with environmental and sustainability regulations and organisational procedures. (S2, B6)	Explains the benefits to the organisation of their approach to sustainability and environmental requirements. (S2, B6)
Professional behaviours		
KSBs	Pass	Distinction
K16, K22 S13, S16 B7	<p>Explains how they are supportive of the needs and concerns of others and how they follow equity, diversity, and inclusion procedures. (K22, S13, B7)</p> <p>Explains how they carry out and record planned and unplanned learning and development activities. (K16, S16)</p>	Explains the benefits to the organisation of following equity, diversity and inclusion procedures. (K22, S13, B7)

3. Interview underpinned by a portfolio of evidence grading (cont.)

Teamwork and communication		
KSBs	Pass	Distinction
K19, K21, K26, S9, S14 B2, B3	<p>Explains how they act in a professional manner when communicating with others verbally, including how they match the style to the audience, and how they use non-verbal communication techniques to ensure they convey the required message. (K19, K21, S9, B2)</p> <p>Explains how they collaborate and promote teamwork across disciplines through applying team working principles to meet work goals. (K26, S14, B3)</p>	Outlines the benefits of teamwork on the wider organisation. (K26, S14, B3)
Continuous improvement		
KSBs	Pass	Distinction
K28 S15	Explains how they apply continuous improvement techniques in line with organisational requirements and how they devise suggestions for improvement to meet business objectives. (K28, S15)	Explains the benefits to the organisation of undertaking continuous improvement activities. (K28, S15)
Lifting and handling		
KSBs	Pass	Distinction
K8, K18 S4	Explains how they lift and handle systems and components using mechanical and manual methods in line with organisational guidelines. (K8, K18, S4)	None
Fault finding, diagnostics and escalation		
KSBs	Pass	Distinction
K7, K15, K17 S6 B4, B5	Explains how they diagnose issues and find faults using electrical measuring equipment, responding and adapting to work demands in line with manufactures guidance and organisational procedures. Describes how they act within their own limits of competence and seek assistance when necessary. (K7, K15, K17, S6, B4, B5)	Explains the benefits to the organisation of using fault-finding and diagnostic techniques. (K7, S6)

3. Interview underpinned by a portfolio of evidence grading (cont.)

Specialist Option 1: Lift Installation		
KSBs	Pass	Distinction
K31, K32, K33, K34, K35 S18, S19, S20, S21	<p>Explains how they measure and set out lift equipment, including lift wells, in line with task and manufacturer's requirements. (K32, S18)</p> <p>Explains how they install lift doors, entrances, and associated equipment in line with task and manufacturer's requirements. (K33, S21)</p> <p>Explains how they install lift suspension systems in line with task and manufacturer's requirements. (K31, K34, S19)</p> <p>Explains how they install lift machines, overspeed protection devices and control systems in line with task and manufacturer's requirements. (K35, S20)</p>	Explains how following manufactures guidelines when measuring and setting out the lift equipment for installation can impact themselves and the task. (K32, S18)
Specialist Option 2: Escalator or moving walk installation		
KSBs	Pass	Distinction
K42, K43, K44 S26, S27	<p>Explains how they install escalator or moving walk equipment in line with task and manufacturer's requirements. (K42, K44, S26)</p> <p>Explains how they measure and set out escalator or moving walk equipment in line with task and manufacturer's requirements. (K43, S27)</p>	Explains how following manufactures guidelines when measuring and setting out escalator or moving walk equipment for installation can impact themselves and the task. (K43, S27)
Specialist option 3: Lift maintenance and repair		
KSBs	Pass	Distinction
K50, K51, K52, K53, K55 S32, S33, S34, S35, S36	<p>Explains the function, location and purpose of the load bearing components in a lift. (K50)</p> <p>Explains how they check, replace and setup lift door systems, checking clearances and door closing protection in line with task and manufacturer's requirements. (K51, S33)</p> <p>Explains how they check lift positions systems and lift travel requirements are working to specification. Explains how they inspect and verify the compliance of suspension systems and how they determine when replacement is necessary. (K50, S32, S34, S35)</p> <p>Explains how they carry out planned and reactive maintenance on lifts in line with task and manufacturer's requirements. (K52, K55, S36)</p>	inspections on the lift suspension systems and carrying out replacements when necessary. (K50, S35)

3. Interview underpinned by a portfolio of evidence grading (cont.)

Specialist option 4: Escalator or moving walk maintenance and repair		
KSBs	Pass	Distinction
K61, K62, K63, K64, K65, K66 S41, S42, S43, S44	<p>Explains how they carry out removal and replacement of escalator or moving walk parts in line with task and manufacturer's requirements. (K61, K62, S41)</p> <p>Explains how they check and set up safety systems on escalator or moving walks in line with task and manufacturer's requirements (K65, S42)</p> <p>Explains how they check, adjust and repair tensioning systems on escalators or moving walks in line with task and manufacturer's requirements. (K66, S43)</p> <p>Explains how they carry out planned and reactive maintenance on escalator or moving walks in line with task and manufacturer's requirements. (K63, K64, S44)</p>	Explains the benefits to the organisation of undertaking checks on the safety systems for escalators or moving walks. (K65, S42)



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