
ST0847

LEVEL 4

Engineer Surveyor

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 professional Interview)	Fails to gain a pass in any one of the assessment methods

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1. Knowledge Test grading

Fail	Pass	Distinction
A score of 21 out of 30 or fewer would indicate insufficient knowledge	A score of 22-26 out of 30	A score of 27 or greater out of 30

2. Observation with Questioning Grading

Grading Descriptors		
Grouped Category	KSBs	Pass
Company policies	K1, S1, B4	Follows company inspection procedures as detailed within the company manual. (K1) Identifies and applies any additional and specific client site procedures. (S1) Complies with company/site rules procedures and principles in ensuring work completed is fit for purpose. (B4)
Planning and carrying out Inspection	K2, K3, S3, S5, S10, B2	Manages site time to achieve an overall plan, using a logical approach, including preparation for contingencies. (S10, B2) Selects and uses appropriate inspection tools and equipment to carry out tasks correctly. (K3) (S3) Identifies equipment needing inspection and identifies, and reports on the overall condition of the equipment. (K2, S6)
Technical Knowledge	K14 S16	Explains all safety critical components associated with the equipment under inspection and its function. (K14) Makes use of drawings, data and other relevant information when conducting their examination. (S16)
Reporting and Communicating	K6, K8, K16 S5	Utilises company reporting systems to produce an inspection report in accordance with company procedures and associated regulations. The report must include correct use of the technical terminology used in the profession. (K6, K8, S5) Explains findings from the inspection to the customer checking for understanding. The content of the interview reflects the finding in the report. (K16)
Health and Safety	K7, K15, S7, S8, S18	Determines and complies with any permit to work procedures. Creates a risk assessment specific and appropriate to the activity being observed, which correctly identifies potential risks and hazards and puts measures in place to mitigate them. (K7, S7, S8) Explains the safe procedure of access and egress. (K15) Follows regulatory and legislative health and safety requirements at all times. (S18)

3. Professional Interview Grading

Tools and Equipment		
KSBs	Pass	Distinction
S2	Describes common and complex defects they have identified on equipment they have worked on and the steps required to rectify them. (S2)	N/A
Customer Relationship		
KSBs	Pass	Distinction
K4 S4, S14	Explains how they have used negotiating and influencing techniques to build and maintain customer relationships and the impact this can have on commercial success. (K4, S4) Explains how they have managed and diffused a potential conflict and how they achieved this. (S14)	Explains how they evaluate their negotiating and influencing techniques to check whether they are working when in use. (K4, S4) Explains how they evaluate and adapt the steps they then take to vary their approach to achieve their goal. (S14)
Problem Solving		
KSBs	Pass	Distinction
B3, B5	Explains how they took ownership of a complex task and how they got to the root cause and found a solution. Describes the steps they took to prevent reoccurrence of the problem. (B3) Explains how they maintain resilience and motivation to complete a task in the face of adversity. (B5)	Justifies how they analysed solutions to a problem that had a lasting and wide reaching impact, beyond the immediate case in hand. (B3)
Roles, responsibilities and accountability		
KSBs	Pass	Distinction
K5 B7	Explains the roles and responsibilities within their team and the importance of maintaining the boundaries of their authority (i.e. They must not inspect equipment outside their range as they are not authorised to do so.) (K5) Describes how their contribution to team activities makes a difference to project outcomes. (B7)	Explains how they use a range of techniques to support others, including mentoring and coaching, describing the impact it had on the individual. (B7)

3. Professional Interview Grading (cont.)

Health and Safety		
KSBs	Pass	Distinction
S15 B13	<p>Explains the importance of maintaining a Health and Safety focus at all times, with reference to working at height and describes the considerations they make when planning an inspection activity. (S15)</p> <p>Explains how they act as a good role model in terms of Health and Safety and the impact of challenging poor behaviour. (B13)</p>	Describes the range of approaches they use to educate others on Health and Safety issues, including how they select the appropriate approach and the impact it has on the individual. (B13)
Client Communication		
KSBs	Pass	Distinction
S9 B6, B12	<p>Demonstrate by use of an example, where they have maintained effective partnerships with clients through the inspection activity to achieve efficient and compliant outcomes, always with a positive and respectful attitude and by using a variety of communication methods. (S9, B6)</p> <p>Describes how they maintain independence and impartiality during inspection activities. (B12)</p>	Describes how they manage conflicts of interest. (B12)
Mathematics and data		
KSBs	Pass	Distinction
S17	Describes, with an example, how they use mathematical, scientific calculations relevant to their role in order to make logical informed decisions. (S17)	N/A
Changing and adapting		
KSBs	Pass	Distinction
B8, B9, B10	<p>Describes, with an example, ways in which they have increased their effectiveness and efficiency when carrying out inspections and kept up to date with regulations and rules. (B8)</p> <p>Describes the considerations they make when adjusting to different conditions and environments. (B9)</p> <p>Describes how they manage multiple tasks concurrently and how they manage the challenges to meet tight deadlines. (B10)</p>	N/A

3. Professional Interview Grading (cont.)

Commitment		
KSBs	Pass	Distinction
B1, B11	<p>N/A Describes, using an example, where they have created and maintained positive, professional, and trusting working relationships with key stakeholders. (B1)</p> <p>Describes how they maintain the highest standards of integrity and ethics in all business relationships. (B11)</p>	N/A

Mechanical Option

Mechanical equipment failure		
KSBs	Pass	Distinction
B1, B11	<p>Describes the three most common causes of in-service mechanical equipment failure and appropriate remedial action. (K20)</p>	<p>Explains their analysis of the causes of mechanical equipment failure and compares and contrasts different approaches to remedial action. (K20)</p>

Electrical Option

Working safely with electrical equipment		
KSBs	Pass	Distinction
K21	<p>Describes the health and safety requirements that they take into account when preparing to undertake an inspection or test of electrical installations. (K21)</p>	<p>Explains the most common causes of electrical failure when testing electrical installations and compares and contrasts different approaches to test for these and other less common failures. (K21)</p>



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