Knowledge, Skills and Behaviours covered in Professional Interview

Within the professional interview the apprentice will need to discuss and evidence, through their synopsis, that they are competent in the criteria below, which are set out in the standard.

Ref	KSB	Ref	Description
K4	Underpinning Principles	K4.1	Sound understanding of principles of thermodynamics, gas laws, psychrometrics, fluid flow, electricity, properties of refrigerant fluids and lubricants.
K7	Sustainability	K7.1	Understanding of environmental impact of refrigerants, maximising efficient system performance and mitigation of direct and indirect carbon emissions.
		K7.2	Understanding of environmental technologies employed in the sector such as heat recovery, low GWP refrigerants, and other equipment which can be used to reduce heat gain, cooling load or energy use.
S1	Safe working practices	S1.1	Installation, commissioning, testing, fault diagnostics, rectification of systems, component/refrigerant suitability and selection
		S1.2	Working with pressure systems and electrical circuits and systems
		S1.3	Evaluating and mitigating risks of refrigerants including toxicity, flammability and other potential risks or hazards to self and the general public.
		S1.4	Decommissioning, safe recovery and disposal of equipment and hazardous waste transfer
S5	Sustainable system operation	S5.1	Using system operating parameters for efficient performance to achieve measurable and sustained reductions in carbon emissions.
		S5.2	Routine and reactive service and maintenance, testing, fault finding, reporting and rectification.
		S5.3	Retrofitting and retrofilling of existing equipment to lower GWP refrigerants including safety, reliability and environmental considerations.
B1	Safety approach	B1.1	Disciplined approach to assessing, managing, mitigating and avoiding risk in a variety of situations to themselves, colleagues, the public and the environment.
B2	Strong work ethic	B2.1	Positive ethical attitude and behaviours including reliability, willingness to take responsibility. Commitment to completing tasks and ability to work as part of a multi-disciplined team.

B3	Logical problem solver	B3.1	Employs logical thinking, and determined attitude to problem solving and technical challenges.
B4	Focus on quality	B4.1	Attention to detail, following procedures, planning and preparation, verifying compliance.
B5	Personal responsibility	B5.1	Takes responsibility for work and interactions with colleagues, customers, suppliers or subcontractors.
B6	Communicates well	B6.1	Uses a range of communications methods effectively, positively and in timely fashion.
B7	Adaptable	B7.1	Able to adapt to changes in conditions, technologies, situations and a wide variety of different working environments.
B8	Self-motivated	B8.1	Willingness to learn and commitment to professional development and to applying principles of sound engineering and sustainability of engineering systems.