
Level 3 End-Point Assessment for Gas Network Craftsperson – Electrical and Instrumentation



EPA Specification Section 5.1 – The Knowledge and Skills Assessment

- Criteria
- Grading

Contacts

This specification has been designed to provide all the advice and guidance you need to prepare yourself and your apprentices for end-point assessment. However, if you have any further questions please contact the EUIAS Help Desk using one of the following:

Help Desk email: enquiries@euias.co.uk

Help Desk telephone: 0121 713 8310

Introduction

The knowledge and skills assessment consists of 50 multiple choice questions sampling the core knowledge and skills as required of the Gas Network Craftsperson Standard. Some knowledge and skills questions in the assessment are specific to the electrical and instrumentation specialist pathway and some questions will be common across assessments (listed below as CK2, CK3, CK5, CS12, NMCEi16, NMCEi21, NMCEi23, NMCEi24, NMCEi25). The practice test supplied as part of this document illustrates the format and style of the assessment.

Preparing for the Knowledge and Skills Assessment

- While on-programme, the employer and or training provider should ensure the apprentice is familiar with all areas assessed by the knowledge skills assessment
- The employer and or training provider should support the apprentice to complete a practice test and provide them with formative feedback to enable them identify areas of further learning

Knowledge and Skills Assessment Criteria

The criteria that are covered in the knowledge and skills assessment are listed below. In each assessment, questions will cover each of the areas; not every aspect of every area will be covered in every assessment. Refer to Section 4 for amplification and guidance. In accordance with the Gas Network Craftsperson assessment plan, aspects of these elements are also assessed in the technical interview.

Knowledge, Skills and Behaviours	Number of knowledge and skills questions per category
CK2 The requirements of the Gas Safety (Management) Regulations as relevant to their role, this being supported through company specific procedures involved in the practical installation and maintenance of gas network assets	2 - 3

CK3 The requirements of Health and safety standards and regulations, and environmental and regulatory requirements, including; The Health and Safety at Work Act, the Environmental Protection Act Dangerous Substances Explosive Atmospheres Regulations, The ATEX Directives, The Management of Health and Safety regulations, PUWER, Working at Height Regulations, Confined spaces Regulations, COSHH, PPE Regulations, RIDDOR, Noise at work regulations, Control of Asbestos regulations and the Manual Handling Operations Regulations	6 - 9
CK5 Gas engineering and mechanical and /or electric principles and processes that underpin the location, diagnosis and rectification of faults	5 - 8
CS12 Through risk assessment, minimise risks to life, property and the environment when undertaking work activities	4 - 7
NMCEi16 The safety processes to be applied when testing for voltages across the range likely to be encountered	4 - 6
NMCEi21 Understand how to safely apply diagnostic fault-finding principles to electrical systems	6 – 9
NMCEi23 Legislative requirements affecting electrical works and be able to describe how such legislation may affect them	4 - 6
NMCEi24 The hazards that could be encountered when maintaining both fixed and portable electrical equipment	4 - 6
NMCEi25 Understand why safe isolation procedures must be followed when carrying out electrical or instrumentation operations	4 - 6

Knowledge and Skills Assessment Grading

This component is graded as follows:

Grade	Mark
Fail	≤34
Pass	35 - 44
Distinction	45 - 50