

Disconnection of Gas Meters for Service Layers (DEO1) (Non-Accredited)

Introduction:

This assessment criteria have been developed for gas team leader i.e. service layer. The criteria detail the required skills, knowledge and behaviour that a learner should expect to be assessed against during their assessment. Successful completion of this unit will demonstrate a learner's ability to disconnect gas meters from existing gas service supplies ensuring all safety requirements are adhered to and will include the following:

- Disconnect gas meters
- Use and communicate data and information
- Understand relevant health and safety guidance and legislation
- Understand how to disconnect gas meters

Range:

- All gas fittings in-conjunction with the installation of primary domestic gas meters of capacity $\leq 6\text{m}^3/\text{h}$, connecting to an outlet $1\frac{1}{4}$ or 35mm and with a volume $\leq 0.035\text{m}^3$

Exclusions:

- Work on appliances
- Work in a non-domestic premise
- Work on the special requirements for the installation & commissioning of the communication and data systems on smart meters

Pre-requisites:

- NCO 2 or equivalent

Practical Provisions

Provisions:

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| 1. | Meter installation, including a LP domestic meter installed and connected to installation pipework with a selection of appliances, connected to a Natural Gas supply. |
| 2. | Meter installation (connected to an outlet supply), to enable demonstration of use of temporary earth continuity bonding. |

Performance Criteria

Disconnection of Gas Meters

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| P1 | Perform work activities safely at all times in accordance with legislative and regulatory requirements |
| P2 | Carry out site specific risk assessment |
| P3 | Select and wear designated PPE |
| P4 | Prepare electronic gas detection equipment ready for use |
| P5 | Prepare instant voltage tester (volt stick) ready for use |
| P6 | Determine the pressure in the supply as being low or medium pressure, in line with approved procedures |
| P7 | Determine the suitability of existing equipotential bonding, in line with approved procedures |
| P8 | Determine the type of meter in use, in line with approved procedures |
| P9 | Comply with industry standards and approved codes of practice when: <ul style="list-style-type: none"> a) Installing temporary continuity bonding b) Isolating the gas supply and appliances c) Disconnecting components d) Removing meter e) Cap open ends of meter and internal supply f) Cap and secure the emergency control valve |

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| P10 | Prevent damage to components, the meter and supply apparatus |
| P11 | Confirm there is no damage or leakage to the supply apparatus |
| P12 | Handle excess, waste materials and temporary attachments in line with approved and agreed procedures |
| P13 | Comply with procedures where lone working is required |
| Use and communicate data and information | |
| P14 | Be able to use and communicate data and information |
| P15 | Use organisational information systems to record and store data and information |
| P16 | Complete work documentation accurately |
| P17 | Record work documentation in the specified place or pass to a designated person |
| P18 | Explain the types of records and documentation used when disconnecting meters |
| P19 | Be able to resolve problems which arise during the disconnection of gas meters |
| P20 | Report promptly to the designated person damage or defects to resources using approved procedures |
| P21 | Report promptly to the designated person suspected theft of gas using approved procedures |
| P22 | Handle problems within the limits of own responsibility |
| P23 | Report to the designated person problems and conditions outside the responsibility of the job role |
| Knowledge & Understanding | |
| Health and safety guidance and legislation in utilities network construction operations | |
| K1 | State the main responsibilities of the employer and employee under the Health and Safety at Work Act |
| K2 | State the main responsibilities of employers and employees under Working at Height Regulations |
| K3 | Describe the safe procedures for handling hazardous materials |
| K4 | Explain the organisational accident recording and reporting procedures |
| K5 | Identify the range and use of PPE for the work |
| K6 | Describe the safe use of a standard voltage meter and the limitations of use |
| | Disconnect meters |
| Disconnection of gas meters | |
| K7 | Explain the specific gravity of natural gas and its relationship to air |
| K8 | Identify different types of meter |
| K9 | Explain how to correctly handle different types of meters |
| K10 | Describe effective methods for the prevention of dangerous concentrations of gas |
| K11 | Describe potential ignition sources |
| K12 | Explain equipotential bonding including: a) Risks where bonding is not used b) Cross sectional area c) Warning labels d) Distance from meter outlet |
| K13 | Identify situations where it is necessary to leave temporary continuity bonding in place on completion of the work |
| K14 | Explain correct reporting procedures |