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| <b>Title</b>           | NOCN International Level 3 Award in Gas Detection and Testing  |                        |         |
| <b>Topic Summary</b>   | The primary aim of this qualification is to enable individuals to safely and competently carry out gas detection and testing procedures in compliance with relevant industry standards and regulations. The qualification is intended for people working in environments where there is a risk of hazardous gases or where gas detection and monitoring are crucial for safety and operational efficiency.   |                        |         |
| <b>Target Audience</b> | <p>The qualification will benefit those learners who have a responsibility to perform gas testing at work place. Such as</p> <ul style="list-style-type: none"> <li>• Supervisors and Team Leaders</li> <li>• Health and Safety Officers</li> <li>• Technicians and Engineers</li> <li>• Confined Space Entry Personnel</li> <li>• Maintenance and Inspection Teams</li> <li>• Oil, Gas, and Chemical Plant Operators</li> <li>• Emergency Response Teams</li> </ul> | <b>Length of Study</b> | 8 hours |

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| <b>Unit(s)<br/>Learning<br/>Outcomes</b> | <b>1. Understand the importance and principles of gas testing in ensuring workplace safety</b>   |  |
|  | <p><b>Learning Outcome - 1:</b></p> <ul style="list-style-type: none"> <li>✚ To specify the International Standard.</li> <li>✚ To explain the Local Legislation</li> <li>✚ To related Incidents</li> </ul> | <p><b>Assessment Criteria:</b></p> <ul style="list-style-type: none"> <li>• State the International Standard.</li> <li>• State the Local Legislation</li> <li>■ Related Incidents</li> </ul> |

## 2. Identify common hazardous gases and their associated risks

### Learning Outcome - 1:

- To know the definition of Confined space.
- To know the examples and types of confined spaces.
- To specify the different types of Hazard such as Atmospheric hazards.
- To identify and state the sources of the hazards such as toxic fumes, flammable gases and oxygen deficiency

### Assessment Criteria:

- Definition of Confined space.
- Examples and types of confined spaces.
- Explain the different types of Hazard such as Atmospheric hazards.
- Identify and state the sources of the hazards such as toxic fumes, flammable gases and oxygen deficiency

## 3. Conduct gas testing procedures accurately and effectively

### Learning Outcome - 1:

- To know the Gas testing procedure.
- To specify how to perform accurate gas testing or Order of gas testing.

### Assessment Criteria:

- Explain the Gas testing procedure.
- Explain how to perform accurate gas testing or Order of gas testing.

## 4. Select, use, and maintain appropriate gas detection equipment.

### Learning Outcome - 1:

- To know how to explain the types of gas monitors/detectors.
- To know how to explain Gas monitors/detectors operation

### Assessment Criteria:

- Explain the types of gas monitors/detectors.
- Explain Gas monitors/detectors operation

## 5. Interpret gas test results and implement necessary safety measures

### Learning Outcome - 1:

- To know to explain types of gas testing.
- To know how to specify the methods of gas sampling

### Assessment Criteria:

- Explain types of gas testing.
- Explain the methods of gas sampling

## 6. Understanding How to Use Breathing apparatus and SCBA

### Learning Outcome - 1:

- To know how to explain different types of Respiratory Protective Equipment
- To know how to demonstrate about PPE and proper use of self-contained Breathing Apparatus and Supplied Air Breathing Apparatus.

### Assessment Criteria:

- Explain different types of Respiratory Protective Equipment
- Demonstrate about PPE and proper use of self-contained Breathing Apparatus and Supplied Air Breathing Apparatus.

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|                       | <b>7. Develop and follow safe work practices and emergency procedures related to gas testing.</b>  |   |  |
| <b>Delivery Style</b> | <b>Learning Outcome - 1:</b><br><ul style="list-style-type: none"> <li>✚ To know how to explain the safe requirement for gas testing.</li> <li>✚ To understand the Outline and explain emergency techniques</li> </ul> | <b>Assessment Criteria:</b> <ul style="list-style-type: none"> <li>• Explain the safe requirement for gas testing.</li> <li>• Outline and explain emergency techniques</li> </ul> |  |