

# DEMONSTRATE OCCUPATIONAL SAFETY AND HEALTH PRACTICES

**UNIT CODE: ENG/OS/AME/4/BC/07/4/A**

## UNIT DESCRIPTION

This unit specifies the competencies required to practice safety and health, and comply with OSH requirements relevant to work

## ELEMENTS AND PERFORMANCE CRITERIA

<b>Element</b>	<b>Performance criteria</b>
<p>These describe the key outcomes which make up workplace function.</p> <ul style="list-style-type: none"> <li>• Demonstrate workplace procedures for hazards and risk prevention</li> </ul>	<p>These are assessable statements which specify the required level of performance for each of the elements.</p> <p><i><b>Bold and italicized terms are elaborated in the range</b></i></p> <ol style="list-style-type: none"> <li>1.1 Demonstrate arrangement of work area and items in accordance with company housekeeping procedures</li> <li>1.2 Demonstrate adherence to work standards and procedures</li> <li>1.3 Apply <i><b>prevention and control measures</b></i>, including use of <i><b>safety equipment and PPE</b></i></li> <li>1.4 Describe and apply standards and procedures for <i><b>incidents and emergencies</b></i> in specific contexts</li> </ol>
<ul style="list-style-type: none"> <li>• Follow established guidelines for workplace safety and health maintenance</li> </ul>	<ol style="list-style-type: none"> <li>2.1 Participate in orientations on <i><b>OSH requirements/regulations</b></i> of tasks</li> <li>2.2 Report health, safety, and security concerns to appropriate personnel as required in a sufficiently detailed manner.</li> <li>2.3 Report hazards, incidents, injuries and sickness according to established workplace procedure</li> <li>2.4 Review OSH requirements/ regulations and workplace safety and hazard control procedures</li> </ol>

	<p>2.5 Report on compliance with OSH requirements/ regulations and workplace safety and hazard control procedures to appropriate personnel</p> <p>2.6 Identify and articulate needs for <i>OSH-related trainings</i> to appropriate personnel</p>
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## RANGE

This section provides information on work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variable	Range
<p>1. <i>Prevention and control measures</i> may include but are not limited to:</p>	<p>1.1 Eliminate the hazard (i.e., removal of dangerous equipment)</p> <p>1.2 Isolate the hazard (i.e. Keep hazardous equipment in a closed room and operate it remotely; barricade an unsafe area)</p> <p>1.3 Substitute the hazard with a safer alternative (i.e., replace potentially hazardous equipment with a safer alternative)</p> <p>1.4 Use administrative controls to reduce the risk (i.e. Give trainings on how to use equipment safely; OSH-related topics, issue warning signages, rotation/shifting work schedule)</p> <p>1.5 Use engineering controls to reduce the risk (i.e. Use safety guards to machine)</p> <p>1.6 Use personal protective equipment</p> <p>1.7 Safety, Health and Work Environment Evaluation</p>

	1.8 Periodic and/or special medical examinations of workers
2. <b>Safety equipment /PPE</b> (Personal Protective Equipment) may include but are not limited to:	2.1 Arm/Hand guard, gloves 2.2 Eye protection (goggles, shield) 2.3 Hearing protection (ear muffs, ear plugs) 2.4 Hair Net/cap/bonnet 2.5 Hard hat 2.6 Face protection (mask, shield) 2.7 Apron/Gown/coverall/jump suit 2.8 Anti-static suits 2.9 High-visibility reflective vest
3. <b>Incidents and emergencies</b> may include but are not limited to:	3.1 Chemical spills 3.2 Equipment/vehicle accidents 3.3 Explosion 3.4 Fire 3.5 Gas leak 3.6 Injury to personnel 3.7 Structural collapse 3.8 Toxic and/or flammable vapors emission.
4. <b>OSH requirements / regulations</b> may include but are not limited to:	4.2 Building code 4.5 Permit to Operate
5. <b>OSH-related trainings</b> may include but are not limited to:	5.1 Safety Orientation relevant to tasks 5.2 Safe and Correct Operation of Tools and Equipment 5.3 Health Orientations/training (Healthy Lifestyle, Prevention of drug/alcohol

	dependence, violence in the workplace, work-stress)
	5.4 Prevention and Control of OSH Hazards in the workplace
	5.5 Chemical Handling
	5.6 Safety Training (Fire Safety, Construction Safety, Confined Space)
	5.7 Prevention and Control of Work-related Injuries and Illness
	5.8 Basic First-aid Training
	5.9 Emergency Response Training
	5.10 Training on use of fire-extinguisher

## REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

### Required Skills

The individual needs to demonstrate the following skills:

- Communication Skills
- Knowledge management
- Collaborating skills
- Interpersonal Skills
- Troubleshooting skills
- Critical thinking Skills
- Observation Skills

### Required Knowledge

The individual needs to demonstrate knowledge of:

- General OSH principles and legislations
- Principles of good housekeeping(5S)
- Company/workplace policies/guidelines

- Standards and safety requirements of work process and procedures
- Standard Workplace emergency plan and procedures
- Safety and health requirements of tasks
- Workplace guidelines on providing feedback on OSH and security concerns
- OSH regulations
- Hazard control procedures
- OSH trainings relevant to work

## EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

<p>1. Critical Aspects of Competency</p>	<p>Assessment requires evidence that the candidate:</p> <p>1.1 Follows work and housekeeping procedures, and complies with its requirements</p> <p>1.2 Follows work standards and procedures</p> <p>1.3 Applies OSH preventive and control measures, including emergency plan, standards and procedures</p> <p>1.4 Participates in orientations on OSH requirements of tasks</p> <p>1.5 Provides feedback on health, safety, and security concerns in a sufficiently detailed manner.</p> <p>1.6 Practices workplace procedures for reporting hazards, incidents, injuries and sickness</p> <p>1.7 Reviews and reports compliance to workplace OSH regulations and hazard control procedures</p> <p>1.8 Identifies and proposes OSH trainings relevant to work</p>
<p>2. Resource Implications</p>	<p>The following resources should be provided:</p> <p>2.1 Facilities, materials tools and equipment necessary for the activity</p>
<p>3. Methods of Assessment</p>	<p>Competency in this unit may be assessed through:</p> <p>3.1 Observation/Demonstration with oral questioning</p> <p>3.2 Third party report</p>

	3.3 Written exam
4. Context of Assessment	Competency may be assessed on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

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