



Australian Government

AURAEA1001 Identify environmental requirements in an automotive workplace

Release 1

AURAEA1001 Identify environmental requirements in an automotive workplace

Modification History

Release	Comment
Release 1	Replaces AURC172003A Identify environmental regulations and best practice in a workplace or business Performance Criteria updated to reflect sustainability

Unit Descriptor

Unit Descriptor	This unit describes the performance outcomes required to identify environmental requirements and sustainability practices to be aware of potential environmental hazards in an automotive workplace. Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.
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Application of the Unit

Application of the unit	Work involves the theory, knowledge and the limited application of skills related to fundamental environmental and sustainability issues in an automotive workplace. Performance of work tasks that maintain sustainability and environmental considerations may be applied in the application of the unit.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability Skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge and/or the range statement. Assessment of performance is to be consistent with the evidence guide.
1. Identify environment regulations and practices	1.1.Reasons for <i>ethical environmental practice</i> in an automotive workshop are identified 1.2.Environmental responsibilities of staff in an automotive workshop are identified 1.3. <i>Documents and procedures</i> relevant to environmental safety and <i>hazards</i> are located and reviewed 1.4.Penalties for individual breaches of legislation are identified and determined 1.5. <i>Safety equipment and other material</i> necessary to support environmentally sound practices are located and identified
2. Identify hazards to stormwater and wastewater drainage system	2.1.Actions are identified in relation to controlling waste water or <i>prescribed wastes</i> entering either stormwater or wastewater drainage systems 2.2.Storage methods for parts and components containing environmentally hazardous materials are identified 2.3.Recycling and storage procedures for liquid wastes are identified 2.4.Uses of a spill kit are identified and confirmed 2.5.Procedures are identified to keep workplace
3. Identify hazards to air quality	3.1.Hazards of airborne particles and methods to minimise and contain them are identified 3.2.Hazards of gases and fumes and methods to minimise and contain them are identified
4. Identify noise hazards	4.1.Effects of noise creating activities and methods to minimise these are identified
5. Identify sustainability practices	5.1. <i>Sustainability practices</i> are identified to minimise waste and sort and store items for recycling or disposal 5.2.Methods to reduce resource consumption (water, electricity, fossil fuels, chemicals) are identified

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- communication skills to:
 - communicate verbal and written ideas and information relating to environmental issues of an automotive workplace
- initiative and enterprise to:
 - identify sources of information, assistance and expert knowledge to expand knowledge, skills and understanding
 - participate in self-improvement activities
- literacy skills to:
 - read and interpret workplace environmental procedures
 - read and interpret information in written instructions, specifications, standard operating procedures, charts, lists, drawings and other applicable reference documents
- numeracy skills to measure and calculate length, area and volume
- planning and organising skills to:
 - identify risk factors and actions to minimise risk
 - identify planning, checking and inspection techniques to avoid environmental contamination and wastage
- problem-solving skills to:
 - recognise a workplace problem or a potential problem
 - refer problems outside area of responsibility to appropriate person and suggest possible causes
 - identify processes which contribute to improvements for environmental issues
- self-management skills to:
 - identify appropriate safety and environmental response equipment, materials, processes and procedures
 - recognise limitations and seek timely advice
 - identify and follow workplace documentation, such as environmental codes of practice and operating procedures
- teamwork skills to collaborate and cooperate with other team members
- technical skills to:
 - collect, organise and interpret technical information relating to recognising workplace situations that are potentially harmful to the environment
- technology skills to use workplace environmental safety-related technology to assist with clean and safe work practices

Required knowledge

- aspects of environmental legislation and its implications for work being undertaken in an

REQUIRED SKILLS AND KNOWLEDGE

automotive business

- characteristics and potential environmental impact of products used in the automotive industry
- philosophy of prevention, reuse, reduce, recycle
- procedures for use of spill kit
- effects of pollution and mitigation methods

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy all of the requirements of the performance criteria and required skills and knowledge.

A person who demonstrates competency in this unit must be able to:

- demonstrate knowledge of environmental regulations and best practice as they would apply in an automotive workplace or business
- identify materials used in an automotive business and assess their environmental impact
- identify sustainability practices in an automotive workplace.

Context of and specific resources for assessment

Competency is to be assessed in the workplace or a simulated workplace environment that accurately reflects performance in a real workplace setting.

Assessment is to occur:

- using standard workplace practices and procedures
- following safety requirements
- applying environmental constraints.

Assessment is to comply with relevant:

- regulatory requirements
- Australian standards
- industry codes of practice.

The following resources must be made available for the assessment of this unit:

- access to environmental legislation, regulations and best practice models
- access to an automotive workplace or simulated environment that accurately reflects automotive workshop working conditions
- access to workplace documents and reference images
- access to personal protective and environmental protection equipment of the type intended to be used in response to an

EVIDENCE GUIDE	
	environmental incident or accident.
Method of assessment	Assessment must satisfy the endorsed Assessment Guidelines of this Training Package. Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with the application of required skills and knowledge. Assessment methods must be by direct observation of tasks and include questioning on required skills and knowledge to ensure correct interpretation and application. Competence in this unit may be assessed in conjunction with other units which together form part of a holistic work role. Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate the needs of diverse clients. Assessment processes and techniques must be culturally sensitive and appropriate to the language, literacy and numeracy capacity of the candidate and the work being performed.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>Ethical environmental practice</i> may include:	• conformance to legislative guidelines and obligations • hazardous materials handling best practice applications • organisation insurance requirements • discretion, judgement and problem-solving skills in undertaking environmentally sound work practices.
<i>Documents and procedures</i> may include:	• environmental legislation • material safety data sheets (MSDS) • hazardous substances register • workplace environmental procedures and safety instructions • dangerous goods code safe operating procedures.
<i>Hazards</i> may include:	• toxic fumes and substances • flammable materials and fire hazards • spillages • waste and debris especially on floors, ladders, trolleys • electricity and water • toxic substances • damaged packing material or containers • broken or damaged equipment • unsafe lifting practices.
<i>Safety equipment and other material</i> may include:	• personal protective equipment (PPE) including: • eye protection • hearing protection • gloves • other suitable protective clothing • safety footwear • spill kit • absorbent materials • drip and catchment trays • waste bags • waste segregation systems.
<i>Prescribed wastes</i> may include:	• solid or liquid wastes • oil, fuel and grease • hydrocarbon based degreasing agents and solvents

RANGE STATEMENT	
	• acids • alkaline wastes • paint, lacquer, varnish • glues and adhesive compounds • household chemicals and pesticides.
Sustainability practices may include:	• recycling waste • energy conservation practices • natural resources (water, etc.) conservation practices • reusing • environmental (green) purchasing practices • noise minimisation.

Unit Sector(s)

Field of Competency	Common
Unit Sector	Environment

Custom Content Section

Not applicable.