



Australian Government

Department of Education, Employment and Workplace Relations

AURV371481A Implement and monitor environmental regulations and best practice in the body repair industry

Release: 1

AURV371481A Implement and monitor environmental regulations and best practice in the body repair industry

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the competence to undertake repair of vehicle bodies in a manner that ensures protection of the environment.
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Application of the Unit

Application of the unit	Work involves normal activities of a body repair shop, including removal and repair of metal and plastic panels and body components, welding, preparation of panels for painting and painting with a range of vehicle paints. Work requires individuals to demonstrate discretion, judgement and problem-solving skills in undertaking environmentally sound work practices. Competence may be demonstrated in workplaces involved in the repair of vehicle bodies, through repair, replacement or painting of body panels which may be metal or plastic.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units	

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
1. Implement environment regulations	<p>1.1.Reasons for ethical environmental practice in a body repair workshop are identified.</p> <p>1.2.Environmental responsibilities of staff in a body repair workshop are identified.</p> <p>1.3.Penalties for individual breaches of legislation are identified.</p> <p>1.4.Waste is minimised, waste materials, including sludge and solids and other wastes are sorted and stored in bins for recycling or disposal.</p> <p>1.5.Packaging on goods received is sorted and reused or disposed of to recycling.</p>
2. Monitor and avoid hazards to stormwater	<p>2.1.No waste water or contaminants are allowed to enter stormwater system.</p> <p>2.2.Surface cleaning and preparation is undertaken in a impervious paved area and does not contaminate stormwater system.</p> <p>2.3.Parts and components containing environmentally hazardous material are stored undercover in a sealed and bunded or drained treatment area.</p> <p>2.4.Liquid wastes are drained into storage or recycling containers.</p> <p>2.5.Paint, thinners/reducers are reused, recycled or stored in a bunded or drained area for collection by an approved disposal agent.</p> <p>2.6.Spill kit is located and used as needed to prevent stormwater contamination.</p> <p>2.7.Spills are cleaned up immediately and workplace is kept clean to prevent unintentional stormwater pollution.</p>
3. Monitor and avoid hazards to air quality	<p>3.1.Spray painting is conducted in an approved spray booth.</p> <p>3.2.Paint is mixed in a well-ventilated room.</p> <p>3.3.Abrasive sanding is undertaken in an enclosed booth or chamber.</p> <p>3.4.Hazards of airborne particles are monitored, minimised and contained.</p> <p>3.5.Welding is conducting in a well-ventilated area.</p> <p>3.6.All CFCs, HCFCs and blends from air conditioning systems are recovered for recycling or approved disposal during servicing or decommissioning.</p> <p>3.7.Spray booth is maintained to ensure it is operating with manufacturer/component supplier specifications.</p>

ELEMENT	PERFORMANCE CRITERIA
	3.8. Clean up of guns and spraying equipment is conducted in an environmentally safe manner.
4. Monitor and avoid noise hazards	4.1. Noise generating activities are minimised and carried out within approved operating hours.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- collect, organise and understand information related to environmental procedures from legislation, regulations and workshop practices in a body repair workshop
- communicate ideas and information to enable work undertaken is in accordance with environmental best practice, coordination of work with worksite supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including preparation of equipment and materials and selection of worksite to avoid environmental contamination, backtracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using cooperative approaches to minimise wastage, optimise workflow and productivity
- use mathematical ideas and techniques to complete measurements and estimate material requirements required for the work
- use planning, checking and inspection techniques to avoid environmental contamination and wastage
- use workplace technology related to environmental protection equipment

Required knowledge

A working knowledge of:

- aspects of environmental legislation and its implications to work being undertaken
- characteristics and potential environmental impact of products used in the body repair process
- philosophy of prevention, reduce, reuse, recycle
- procedures for reporting machinery faults and material defects
- action to be taken in case of significant environmental threat in the workshop
- reporting procedures for significant environmental damage occurring in the workshop

Evidence Guide

EVIDENCE GUIDE	
<p>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.</p>	
Overview of assessment	
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</p>	<ul style="list-style-type: none"> • Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment. • Implement environmental regulations and best practice. • Identify materials used in the body repair process and assess their environmental impact. • Follow work instructions, operating procedures and inspection processes to: <ul style="list-style-type: none"> • minimise risk of injury to self and others • prevent damage and wastage of goods, equipment and products • maintain production output and product quality. • Conduct operator maintenance on spray booth and spray equipment to ensure environmental efficiency. • Work effectively with others. • Use of spill kit. • Modify activities to cater for variations in workplace context and environment.
<p>Context of, and specific resources for assessment</p>	<ul style="list-style-type: none"> • Assessment may occur on the job or in a workplace simulated facility with process equipment, materials, work instructions and deadlines. • Access to a body repair workshop with damaged vehicles, metal and plastic panel repair equipment and fillers, spray booths, various spray guns, paint mixing equipment, recycling bins, dust extraction equipment, vacuum cleaners/brooms, and liquid, sludge and solid wastes. • Access to a least two of the paint types listed: <ul style="list-style-type: none"> • water based acrylic, two pack, or thinners/reducers.
<p>Method of assessment</p>	<ul style="list-style-type: none"> • Assessment methods must confirm consistency of performance over time and in a range of workplace contexts. • Assessment should be by direct observation of tasks and questioning on underpinning knowledge. • Assessment should be conducted over time and should be in conjunction with assessment of other units of

EVIDENCE GUIDE	
	<p>competence.</p> <ul style="list-style-type: none">• Competence in this unit may be assessed in conjunction with other functional units which together form part of the holistic work role.

EVIDENCE GUIDE

Guidance information for assessment

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.

Automotive body repair workshop

Automotive body repair workshop includes:

- panel removal, repair and replacement procedures
- component removal procedures
- panel surface cleaning and paint application.

OH&S

OH&S requirements include material safety data sheets, hazardous substances and dangerous goods code and safe operating procedures.

Legislative requirements

Work is carried out in accordance with legislative obligations, environmental legislation, policies, guidelines, OH&S regulations, manual handling procedures and organisation insurance requirements.

Tooling and equipment

Tooling and equipment are to include spill kits, recycling bins and drums, spray gun washers, bunded or drained wash bays, spray booths, vacuum/air extraction equipment and a waste water management system.

Materials

Materials may include materials data safety sheets.

Personal protective equipment

Personal protective equipment is to include that prescribed under legislation, regulations and enterprise policies and practices. Face masks are available for rubbing back and painting and ear muffs for protection against noise generated from

RANGE STATEMENT	
	machinery.
Information and procedures	<p>Information and procedures may include:</p> <ul style="list-style-type: none"> • environmental legislation, regulations, Australian standards and advice • worksite environmental policy • workplace procedures relating to use of tooling and equipment • work instructions, including job sheets • workplace procedures relating to reporting and communication of environmental issues • manufacturer/component supplier specifications and operational procedures.

Unit Sector(s)

Unit sector	Vehicle body
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Co-requisite units

Co-requisite units	

Competency field

Competency field	
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