



Australian Government

AURVNP001 Evaluate vehicle paintwork for damage and identify refinish requirements

Release: 1

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Modification History

Release	Comment
Release 1	New unit of competency

Application

This unit describes the performance outcomes required to evaluate vehicle paintwork for damage and identify the paint refinish required to repair a vehicle. It involves using technical understanding of paint applications and procedures; and locating, evaluating and documenting relevant information.

The unit applies to those evaluating the paintwork on a vehicle for damage and identifying appropriate paint refinish to repair the vehicle in a vehicle repair or vehicle loss assessment environment. Vehicles may include light vehicles, commercial vehicles, heavy vehicles, agricultural and plant equipment, recreational vehicles and motorcycles.

Licensing, legislative, regulatory or certification requirements may apply to this unit in some jurisdictions. Users are advised to check with the relevant regulatory authority.

Competency Field

Vehicle Body

Unit Sector

Loss Assessment and Repair Quoting - Paint

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section
1. Prepare for work	1.1 Work instructions are used to determine job requirements 1.2 Workplace <i>safety requirements</i> and <i>workplace environmental practices</i> and policies are read and complied with 1.3 <i>Workplace policies and procedures, legal requirements</i> , and

ELEMENTS	PERFORMANCE CRITERIA
	component supplier specifications are read and interpreted 1.4 Safety equipment, tools, materials and other equipment are selected and checked
2. Assess vehicle paintwork for damage	2.1 Vehicle to be inspected is located 2.2 Preferred inspection method is determined that conforms to workplace policies and procedures, legal requirements, and specifications of vehicle manufacturer or component suppliers 2.3 Paintwork is inspected to identify vehicle paintwork damage and potential paint problems 2.4 Vehicle is inspected in line with workplace policies and procedures, legal requirements, specification of vehicle manufacturer or component suppliers, safety requirements and workplace environmental practices
3. Gather data and specifications	3.1 Painting specifications are identified and documented 3.2 Staff and management are consulted to identify additional or altered specifications 3.3 Existing paint refinishing materials and equipment are evaluated 3.4 Data and specifications are compiled and documented
4. Evaluate and select materials, equipment and processes	4.1 Materials and equipment options are determined 4.2 Materials and equipment are assessed for quality finish and conformity to standards 4.3 Specifications of materials and equipment are compared for performance and cost 4.4 Commercial, environmental and safety impact of materials and equipment selected is determined 4.5 Materials, equipment and processes are selected based on performance, cost, specifications and impact comparison 4.6 Evaluation report detailing required specifications and repair process is completed according to workplace policies and procedures, and legal requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Reading skills to:	analyse information relating to paintwork materials and equipment

	- interpret technical specifications - analyse regulatory, environmental and safety procedures, best practice and future trends - research evaluation results.
Oral communication skills to:	consult with staff and management to inform research and data gathering.
Planning and organising skills to:	- organise activities - systematically identify, research and evaluate options.
Problem-solving skills to:	identify and resolve potential technical and procedural problems and variables within scope of own responsibility.
Teamwork skills to:	work effectively and cooperatively with others in identifying specifications that contribute to evaluation of paintwork repair requirements.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Safety requirements</i> are to be in accordance with applicable commonwealth, state or territory Workplace Health and Safety Act or Occupational Health and Safety Act and must include:	- ensuring safe location of vehicle to be inspected - following workplace safety procedures - identifying potential safety hazards.
<i>Workplace policies and procedures</i> must include:	- environment and sustainability - job specifications - manufacturer specifications and industry codes of practice - quality policies and procedures, including Australian standards - reporting and recording procedures - safe work procedures.
<i>Legal requirements</i> are to be in accordance with applicable commonwealth, state, or territory legislation, regulations, certification requirements	- environmental regulations - intellectual property.

and codes of practice, and must include:	
Component supplier specifications must include at least one of the following:	• vehicle design specifications and drawings • repair instructions and procedures • component replacement instructions and procedures.
Tools, materials and other equipment must include:	• calculators and general office equipment • computer hardware and software • digital camera • paint code list • portable light • recording equipment, such as a laptop or notebook • specialist tools, including: • colour spectrometer • paint film thickness gauge.
Vehicle paintwork damage must include:	• bolt-on vehicle painted components • paint blend • welded vehicle painted components.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURVNP001 Evaluate vehicle paintwork for damage and identify refinish requirements

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria and foundation skills:

- evaluate vehicle paintwork for damage and identify refinish requirements on a minimum of two different damaged vehicles
- determine the impact of decisions in terms of commercial, environmental and safety risks
- document refinish materials, equipment and processes.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- motor vehicle paintwork damage and refinishing techniques, including:
 - damage and faults
 - paint problems, including:
 - blistering
 - delaminating
 - flaking
 - humidity bubbles
 - inclusions
 - incorrect:
 - colour
 - film build
 - mottle
 - orange peel
 - poor cover or hiding
 - paint types:
 - acrylic enamel
 - air dry enamel

- clear over base (COB)
- fillers
- multi-layer
- pearls
- polyurethane
- special effects
- waterborne paint
- two-pack paint
- current assessing and quoting methodologies
- vehicle paint testing equipment and procedures
- current vehicle material allowances
- relevant automotive websites to locate information on current best practice and future trends in the vehicle loss assessment environment
- general insurance industry knowledge, including relevant sections of:
 - contract and insurance law
 - Insurance Contracts Act
 - intellectual property
 - Motor Vehicle Insurance and Repair Industry Code of Conduct
 - state or territory Fair Trading Act
- methods for sourcing paint manufacturer specifications
- applicable commonwealth, state or territory laws, regulations and standards relating to evaluating the paintwork of a damaged vehicle, and suggesting repair materials, equipment and processes, including:
 - commercial-in-confidence practices
 - environmental regulations
 - intellectual property
 - personal legal liability
 - applicable Workplace Health and Safety Act or Occupational Health and Safety Act
- workplace policies and procedures relating to evaluating paintwork of a damaged vehicle, and suggesting refinishing materials, equipment and processes, including:
 - recording and reporting procedures.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

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

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vehicles that they have evaluated, e.g. evaluation reports.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- a range of vehicles with both minor and extensive paint damage
- computer hardware, software and calculators
- internet access
- paint testing equipment
- relevant information, including paint manufacturer specifications
- workplace technology.

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