



**Australian Government**

# **AURVNP101 Evaluate vehicle paintwork for damage and identify refinish requirements**

**Release: 1**

# AURVNP101 Evaluate vehicle paintwork for damage and identify refinishing requirements

## Modification History

| Release   | Comments                                                                                                |
|-----------|---------------------------------------------------------------------------------------------------------|
| Release 1 | This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0 |

## Application

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

The unit applies to those who evaluate the paintwork on a vehicle for damage and identify 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.

## Unit Sector

Vehicle Body Loss Assessment and Repair Quoting - Paint

## Elements and Performance Criteria

| ELEMENTS                                         | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                    |
| 1. Prepare for work                              | 1.1 Use work instructions to determine job requirements<br>1.2 Read and comply with workplace safety requirements and workplace environmental practices and policies<br>1.3 Read, interpret and comply with workplace policies, safety requirements, procedures, legal requirements, and component supplier specifications<br>1.4 Select and check safety equipment, tools, materials and other equipment |

| ELEMENTS                                                  | PERFORMANCE CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. Assess vehicle paintwork for damage                    | 2.1 Locate vehicle to be inspected<br>2.2 Inspect paintwork to identify vehicle paintwork damage and potential paint problems<br>2.3 Inspect vehicle in line with workplace policies and procedures, legal requirements, specification of vehicle manufacturer or component suppliers, safety requirements and workplace environmental practices                                                                                                                                                                                                                                                      |
| 3. Gather vehicle data and specifications                 | 3.1 Identify and document painting specifications<br>3.2 Consult staff and management to identify additional or altered specifications<br>3.3 Evaluate existing paint refinishing materials and equipment<br>3.4 Compile and document vehicle data and specifications                                                                                                                                                                                                                                                                                                                                 |
| 4. Evaluate and select materials, equipment and processes | 4.1 Determine materials and equipment options<br>4.2 Assess materials and equipment for quality finish and conformity to standards<br>4.3 Compare specifications of materials and equipment for performance and cost<br>4.4 Determine commercial, environmental and safety impact of materials and equipment selected<br>4.5 Select materials, equipment and processes based on performance, cost, specifications and impact comparison<br>4.6 Complete evaluation report detailing required specifications and repair process 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 but not explicit in the performance criteria.*

| SKILL                   | DESCRIPTION                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Learning                | <ul style="list-style-type: none"> <li>Locates required sources of information efficiently.</li> </ul>                                                                                          |
| Oral communication      | <ul style="list-style-type: none"> <li>Clarifies instructions.</li> </ul>                                                                                                                       |
| Teamwork                | <ul style="list-style-type: none"> <li>Works effectively and cooperatively with others in identifying specifications that contribute to evaluation of paintwork repair requirements.</li> </ul> |
| Planning and organising | <ul style="list-style-type: none"> <li>Organises activities</li> <li>Identifies and evaluates options systematically.</li> </ul>                                                                |

| SKILL           | DESCRIPTION                                                                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Problem solving | <ul style="list-style-type: none"><li>Identifies and resolves potential technical and procedural problems and variables within scope of own responsibility.</li></ul> |

## Unit Mapping Information

Supersedes and is equivalent to AURVNP001 Evaluate vehicle paintwork for damage and identify refinish requirements.

## Links

Companion Volume Implementation Guide is found on VETNet -

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

# Assessment Requirements for AURVNP101 Evaluate vehicle paintwork for damage and identify refinish requirements

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## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

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

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- methods to locate and interpret information required to evaluate vehicle paintwork for damage and suggest refinish materials, equipment and processes, including:
  - information provided by supervisors
  - manufacturer specifications and procedures or equivalent documentation
- workplace procedures required to evaluate vehicle paintwork for damage and suggest refinish materials, equipment and processes, including:
  - documentation, recording and reporting procedures
- motor vehicle paintwork damage and refinishing techniques, including:
  - damage and faults
  - bolt-on and welded vehicle painted components
  - paint problems, including:
    - blistering
    - delaminating
    - flaking
    - humidity bubbles

- inclusions
- incorrect colour
- incorrect 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 and component supplier specifications, including:
  - vehicle design specifications and drawings
  - repair instructions and procedures
  - component replacement instructions and procedures
- 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

- safety requirements in accordance with applicable commonwealth, state or territory Workplace Health and Safety Act, including:
  - ensuring safe location of vehicle to be inspected
  - following workplace safety procedures
  - identifying potential safety hazards
- tools, materials and equipment relating to evaluating paintwork of a damaged vehicle, and suggesting refinish materials, equipment and processes, including:
  - calculators and general office equipment
  - digital camera
  - computer hardware and software
  - paint code list
  - portable light
  - recording equipment
  - specialist tools, including colour spectrometers and paint film thickness gauges
- workplace policies and procedures relating to evaluating paintwork of a damaged vehicle, and suggesting refinish materials, equipment and processes, including:
  - environment and sustainability
  - quality policies and procedures, including Australian standards
  - industry codes of practice.

## Assessment Conditions

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

Assessment must include direct observation of tasks.

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.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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