



Australian Government

AURVTN034 Evaluate vehicle body repair materials, equipment and work processes

Release: 1

AURVTN034 Evaluate vehicle body repair materials, equipment and work processes

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to research and evaluate vehicle body repair materials, equipment and work processes, and to select those most appropriate for establishing a new body repair facility or updating an existing business. It requires knowledge of original equipment manufacturer (OEM) repair requirements and evolving industry technologies.

It applies to those working in the automotive body repair industry.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Vehicle Body

Unit Sector

Technical - Body

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 and italicised text is used, further information is detailed in the range of conditions section.
1. Determine process requirements	1.1 Requirements for body repair facility are identified 1.2 Framework and rating system are developed to facilitate comparisons of materials, equipment and processes 1.3 OEM repair requirements are identified and assessed to establish

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	comparisons and benchmarks to be used
2. Identify specifications for required body repair materials, equipment and work processes	2.1 Repair steps and work processes are identified and flow charts produced 2.2 Material and equipment specifications are identified to match repair processes 2.3 Staff and management are consulted to identify additional or altered requirements 2.4 Materials, tooling and equipment requirements for body work undertaken in facility are identified and specifications are documented 2.5 Work health and safety (WHS) and occupational health and safety (OHS) requirements for safe facility and work practices are identified 2.6 Required specification data is compiled and documented
3. Evaluate materials, equipment and work processes against facility requirements	3.1 Material options are identified against required quality, finish and conformity to OEM specifications and repair standards, and are documented 3.2 Equipment options are identified and documented 3.3 Materials and equipment are selected based on facility work processes and comparisons of performance, cost and specifications compared to established rating system 3.4 Outcomes are documented and report is prepared

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
Learning skills to:	locate specifications and relevant information efficiently.
Writing skills to:	legibly and accurately compile data to be analysed.
Oral communication skills to:	clarify instructions and procedures.
Numeracy skills to:	use basic mathematical operations, including addition and

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	subtraction, to calculate material and data specifications.
Planning and organising skills to:	identify, research and evaluate material, equipment and work process options.
Technology skills to:	use the full scope of available workplace technology relating to body work materials and equipment for analysis and evaluation.

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.

There is no Range of Conditions for this unit.

Unit Mapping Information

Equivalent to AURVTN5034 Evaluate and select bodywork materials, equipment and processes

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 AURVTN034 Evaluate vehicle body repair materials, equipment and work processes

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Performance Evidence

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

- locate, interpret, evaluate and select materials, equipment and processes suitable for establishing or updating an automotive body repair facility, which must involve consultation with staff
- provide a report on above research, which includes an analysis of:
 - required and available materials and equipment with respect to facility work processes, specifications and standards
 - innovations applying to required materials and equipment
 - equipment capabilities and availability
 - cost-benefit analysis of materials, equipment and processes
 - impact of selected materials, equipment and processes on the environment and workplace safety.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- industry sector developments and trends in bodywork repair materials and equipment
- workplace policies and plans, including forecast systems and products
- body repair processes from original equipment manufacturer (OEM) or authorised agency's specifications
- materials, equipment and processes, including:
 - personal protective equipment (PPE) requirements
 - equipment capabilities
 - costings.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

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 vehicle body repair materials, equipment and work processes that they have evaluated, e.g. cost-benefit analysis.

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

The following resources must be made available:

- automotive or simulated workplace
- bodywork technology information
- tools, equipment and materials appropriate for evaluating vehicle body repair materials, equipment and work processes.

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