



Australian Government

AURATA005 Estimate and quote automotive mechanical and electrical repairs

Release: 1

AURATA005 Estimate and quote automotive mechanical and electrical repairs

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to prepare an estimate and quotation to repair the mechanical or electrical systems of vehicles or machinery. It involves preparing an initial estimate of costs, then preparing a detailed quotation for the required work, and presenting the quotation to customer.

It applies to those working in the automotive service and repair industry. It includes quotations for light vehicles, heavy vehicles, agricultural and plant equipment, recreational vehicles or motorcycles. The unit does not apply to estimating and quoting vehicle body repair costs.

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

Competency Field

Common

Unit Sector

Technical

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. Estimate repair or service costs	1.1 Clarify service and repair requirements 1.2 Time requirements for job are estimated from a comparison of

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.
	previous similar repairs 1.3 Costs associated with replacement parts are estimated 1.4 Parts and work needing to be subcontracted are identified and costs estimated 1.5 Estimate is calculated, feasibility of job is discussed with customer, and agreement is reached to proceed with quote
2. Prepare quotation	2.1 Job labour cost is documented and agreed with workplace supervisor 2.2 Parts and consumables are costed according to workplace pricing procedures 2.3 Quotation variations relating to unsighted damage are noted and prepared for customer acceptance 2.4 Quotation is reviewed by workplace supervisor and finalised
3. Present quotation to customer	3.1 Detailed quotation is provided to customer for approval 3.2 Approval from customer to commence work and undertake any supplementary quotation work is obtained as required 3.3 Workplace documentation is processed according to workplace procedures

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:	- interpret vehicle specifications and job requirements - interpret original equipment manufacturer (OEM) and recommended labour time guides.
Oral communication skills to:	participate in verbal exchanges using active listening and questioning techniques to gather, clarify and confirm customer information and feedback.
Numeracy skills to:	use mathematical operations, including addition, subtraction, multiplication and division, to perform calculations and check accuracy of costs of options and solutions.
Digital literacy skills to:	use digital systems and tools to access, search and retrieve information relating to products and services.

Skills	Description
Technology skills to:	• use workplace technology related to preparing a vehicle mechanical and electrical service repair quotation.

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 AURATA3005 Estimate complex jobs

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 AURATA005 Estimate and quote automotive mechanical and electrical repairs

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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 the unit's elements and performance criteria and foundation skills:

- inspect four different vehicles or equipment, two with mechanical and two with electrical faults, and:
 - estimate required repair or replacement of parts and labour
 - prepare a written repair quotation for the above vehicles or equipment for customer approval.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- workplace procedures and work health and safety (WHS) and occupational health and safety (OHS) requirements relating to estimating and quoting on repairs, including procedures for:
 - selecting and using personal protection equipment (PPE)
 - manual handling vehicle components and systems
 - using hand tools and equipment
- components of estimates and job costings, including:
 - labour
 - parts
 - costs relating to external products or services required
- original equipment manufacturer (OEM) or authorised agency's service and repair procedures
- process to identify and determine location and extent of failure or faults in vehicle
- evidence to support repair quotation, including:

- part dismantle of damaged area for repair plan
- indirect or unforeseen damage
- photographs
- vehicle inspection, failure or fault assessment procedures
- service and repair industry standards.

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 preparing a repair quotation relating to an automotive mechanical and electrical service and repair quotation, e.g. a written quote.

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

The following resources must be made available:

- four different vehicles requiring mechanical and electrical repairs or service
- automotive mechanical or electrical repair workplace or simulated workplace
- manufacturer and component repair and replacement costing guides
- OEM service and repair time manuals and labour rates
- office equipment, including calculators, computer, internet and software
- workplace procedures relating to vehicle mechanical and electrical repairs or service.

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