



Australian Government

AUMATK006 Test plant, tools, equipment, product and systems

Release: 1

AUMATK006 Test plant, tools, equipment, product and systems

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMATK4006 Test plant, tooling, equipment, product or systems

Application

This unit describes the performance outcomes required to prepare, set up and test plant, tools, equipment, product and systems used to produce motor vehicles.

It applies to those in an automotive manufacturing environment.

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

Competency Field

Common

Unit Sector

Technical - Tools and Equipment

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. Plan test	1.1 <i>Workplace procedures</i> to test plant, tools, equipment, product or systems are identified and verified 1.2 <i>Test instructions</i> and workplace checklists are interpreted to identify processes and materials 1.3 Test equipment and plant tools are obtained according to work plans and workplace procedures 1.4 Test equipment and tools are prepared and calibrated according to standards, operating instructions and workplace

Elements	Performance Criteria
	procedures
2. Conduct test	2.1 Components to be tested are prepared and connected to test equipment 2.2 Components are tested or cycled through test procedures according to test specifications 2.3 Evidence of wear, malfunction or out-of-tolerance adjustment is reported and necessary action is taken
3. Interpret test results	3.1 Test results are interpreted to identify possible causes of malfunction or unserviceability 3.2 Further tests are conducted where required to determine causes of faults, malfunction or unserviceability
4. Initiate corrective action	4.1 Corrective action is implemented according to workplace procedures 4.2 Recommendations and corrective actions are documented according to procedures
5. Complete work processes	5.1 Test results are reported to appropriate personnel and workplace documentation is completed and stored according to workplace procedures 5.2 Work area and testing equipment are cleaned, inspected and stored according to workplace procedures 5.3 Faulty test equipment is identified, tagged and reported

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skills	Description
Reading skills to:	- interpret test results and documentation - interpret workplace procedures, manufacturer instructions, schedules, reports, manuals and work plans - identify recommended repair procedures and specifications.
Writing skills to:	- prepare and develop work and test plans - record test results and outcomes - complete serviceability documentation.
Oral communication skills to:	- discuss repair plans and schedules with relevant personnel - communicate clearly and directly in order to deliver test information to audiences of varying technical background.

Numeracy skills to:	• interpret and document test specifications • determine schedule timelines • calculate material requirements • use test equipment.
Digital literacy skills to:	• use electronic test equipment and computer testing programs.
Planning and organising skills to:	• manage testing timelines and organise tests, plans and reports.
Problem-solving skills to:	• analyse test results and recommend rectification action • apply corrective actions, particularly when notifying colleagues of test outcomes.

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>Workplace procedures</i> must include:	• quality and continuous improvement programs • recording and reporting test outcomes • test equipment use, maintenance and storage • testing guidelines • work health and safety (WHS) requirements.
<i>Test instructions</i> must include:	• compliance with industry standard and code of practice • job sheets and work plans • manufacturer instructions, specifications and drawings • workplace procedures relating to the use and operation of test tools and equipment.
<i>Components</i> must include:	• production tools and equipment • vehicle product and systems.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

Assessment Requirements for AUMATK006 Test plant, tools, equipment, product and systems

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Performance Evidence

Before competency can be determined, individuals must have competently tested plant, tools, equipment, product or systems on a minimum of two occasions.

Individuals must demonstrate they can:

- comply with industry standards and codes of practice relating to testing automotive plant, tools, equipment, products and services
- comply with work health and safety (WHS) requirements when testing
- follow workplace procedures when testing plant, tools, equipment, products and systems
- apply workplace testing procedures
- prepare for tests or trials of plant, tools, equipment, product and systems
- follow work plans and test instructions of plant, tools, equipment, product and systems
- perform tests or trials on automotive plant, tools, equipment, products and services
- complete reports of test results.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- WHS requirements when testing plant, tools, equipment, products and systems
- workplace procedures when testing plant, tools, equipment, products and systems
- testing procedures relevant to automotive plant, tools, equipment, products and systems
- procedures for preparing and calibrating test equipment
- product and system specifications
- types of test tools and equipment, and procedures for their safe use, operation and maintenance
- techniques for identifying and resolving problems
- procedures for interpreting test results
- procedures for recording and reporting test records and information.

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 testing of plant, tools, equipment, product and systems, e.g. work orders.

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 manufacturing workplace or simulated workplace
- workplace procedures when testing plant, tools, equipment, products and systems
- WHS requirements when testing plant, tools, equipment, products and systems
- tools and equipment to test plant, tools, equipment, product and systems
- plant, tools, equipment, product or systems used to produce motor vehicles
- workplace test instructions, work plans and procedures.

Links

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