



Australian Government

AUMFTK001 Test automotive production components, equipment and systems

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMFTK5001 Establish a test or trial for components of plant, tooling, equipment or systems

Application

This unit describes the performance outcomes required to design and establish a test of components, plant, tools, equipment, product and systems used in the production of motor vehicles.

It applies to those in an automotive manufacturing environment and involves the application of skills and knowledge at a specialist level.

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

Competency Field

Manufacturing - Passenger Vehicle

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. Identify test objectives	1.1 Workplace procedures to test and trial components of plant, tools, equipment, product or systems are identified and verified 1.2 <i>Instructions</i> and work plans are interpreted to identify processes and materials to be used in testing

Elements	Performance Criteria
	1.3 Materials and components to be tested are obtained 1.4 Test objectives are identified and confirmed with appropriate personnel
2. Determine test methodology	2.1 Sequence and specified procedures for test are determined according to workplace procedures and manufacturer instructions 2.2 Test tools and equipment are identified and obtained according to job requirements 2.3 Stakeholders are identified and consulted and test is modified to incorporate feedback
3. Identify and allocate resources to test	3.1 Resources and appropriate personnel required to test material or component are identified and allocated 3.2 Test plan is prepared according to workplace procedures, and confirmed with relevant stakeholders
4. Monitor test	4.1 Testing is monitored according to workplace procedures 4.2 Support is provided to personnel conducting the test 4.3 Modifications to test plan are proposed to stakeholders and accepted changes are implemented
5. Complete work processes	5.1 Feedback from involved stakeholders is sought on test or trial and integrated into procedure documentation 5.2 Test procedures are documented and recorded according to workplace procedures 5.3 Test reports are distributed according to work plan and workplace procedures

Foundation Skills

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

Skills	Description
Reading skills to:	- interpret instructions, schedules, reports, operating manuals and work plans - review test results and documentation.
Writing skills to:	- develop and document test plans - complete test report.
Oral communication skills to:	- allocate tasks to team members - communicate test results between team members

Skills	Description
	• discuss work plans and schedules with relevant personnel.
Numeracy skills to:	• interpret test specifications • analyse test results.
Teamwork skills to:	• work with others to set up and conduct a test.
Digital literacy to:	• use electronic tools and equipment.

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>Instructions</i> must include:	• manufacturer instructions for test components • specifications and drawings • test and trial requirements • procedures for the operation of tools and equipment • test instructions.
<i>Stakeholders</i> must include:	• design engineers • resource and budget managers.

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>