



Australian Government

AUMATK011 Use technical data relating to plant, tools, 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 AUMATK4011 Interpret manuals, drawings and circuits for plant, tooling, equipment or systems

Application

This unit describes the performance outcomes required to interpret and apply information in plant, tool, equipment and system manuals, drawings and circuits when producing motor vehicles and components.

It applies to those in an automotive and related component 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. Source technical data	1.1 Instructions and plans are read and interpreted to identify work area and related processes and materials 1.2 Appropriate <i>manuals, drawings and circuits</i> are identified and accessed 1.3 Amendment status of manuals, drawings and circuits is clearly established to ensure correct technical data is used

Elements	Performance Criteria
2. Interpret technical data	2.1 Relevant sections of manuals, drawings and circuits are located in relation to the work to be carried out 2.2 Information is interpreted and work procedures and processes to be followed are determined
3. Apply technical data	3.1 Work is performed according to specified procedures and information in relevant sections of manuals, drawings and circuits, and work health and safety (WHS) procedures 3.2 Sequencing of work is determined and applied in line with manuals, drawings and circuits
4. Store technical data	4.1 Manuals, drawings and circuits are stored according to workplace procedures and to prevent damage 4.2 Workplace documentation is completed according to 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 and work plans to identify processes and materials - identify amendments to drawings and workplace documents - interpret manuals, drawings, circuits and specifications.
Writing skills to:	complete work sheets and documents.
Numeracy skills to:	interpret numerical information embedded in manuals, drawings, circuits and specifications.
Planning and organising skills to:	perform work according to specified procedures and information provided in relevant sections of manuals, drawings and circuits.

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>Manuals, drawings and circuits</i> must include:	• manufacturer manuals of plant, tools, equipment and systems • safe operating procedures for plant, tools, equipment and systems.
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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 AUMATK011 Use technical data relating to plant, tools, equipment and systems

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Performance Evidence

Before competency can be determined, individuals must have competently interpreted manufacturing technical data on a minimum of two occasions.

Individuals must demonstrate they can:

- access and interpret manuals, drawings and circuits required for the work
- determine work procedures and processes from manuals, drawings and circuits
- apply procedures, processes, work sequencing and work health and safety (WHS) procedures in the work
- store manuals, drawings and circuits of plant, tools, equipment and systems.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- types and layout of manuals, drawings and circuits and their symbols, codes and legends
- methods of determining work procedures and processes from manuals, drawings and circuits
- methods of storing manuals, drawings and circuits.

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 having interpreted manuals, drawings and circuits of plant, tools, equipment 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
- manuals, drawings and circuits
- job instructions required in the production process
- vehicle manufacturing equipment
- operating procedures and specifications for plant, tools and equipment.

Links

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