



Australian Government

AUMAQA001 Apply quality assurance techniques

Release: 2

AUMAQA001 Apply quality assurance techniques

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMAQA4001 Apply quality assurance techniques
Release 2	Amendments made to the unit to include OHS requirements. Reference to SNR updated to NVR in Assessment Conditions to reflect new Standards for Registered Training Organisations.

Application

This unit describes the performance outcomes required to apply quality assurance techniques required in an automotive manufacturing environment.

It involves the application of skills and knowledge during the design, development and production of automotive plant, tools, equipment and systems at a production worker level.

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

Competency Field

Manufacturing - Common

Unit Sector

Quality

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. Interpret and apply workplace quality standards	1.1 <i>Instructions</i> and plans are interpreted to identify processes and materials to complete work tasks 1.2 Workplace quality standards are interpreted and applied to work tasks

Elements	Performance Criteria
	1.3 Process improvement tools are used either individually or in a team to identify design, development and production quality problems
2. Monitor and report on quality	2.1 Finished materials and products are checked for quality against workplace quality standards and according to workplace procedures 2.2 Non-conforming materials and products are identified and reported 2.3 Quality problems are analysed to identify the root cause using analytical tools 2.4 Strategies to improve quality are developed and recommended 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:	- identify and review quality improvement plans - interpret instructions and plans, relevant legislation, regulations, standards, codes of practice, safe work practices and workplace procedures.
Writing skills to:	legibly record and report quality improvement progress.
Oral communication skills to:	- communicate between production and quality team members - discuss quality improvement plans with team leader and clarify quality assurance requirements.
Numeracy skills to:	- use analytical tools, instructions and plans - calculate materials to complete work tasks.
Digital literacy skills to:	use computers and computer software, such as email, databases, spreadsheets and word processing.
Teamwork skills to:	work effectively with diverse team members.

Range of Conditions

and occupational health and safety (OHS) 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:	• engineering specifications and drawings • operator instruction systems (OIS) or workplace equivalent • process control plans (PCPs) or workplace equivalent • standard operating procedures (SOPs) or workplace equivalent.
<i>Workplace procedures</i> must include:	• quality standards • use of tools and equipment • work health and safety (WHS) and occupational health and safety (OHS) requirements • workplace recording and reporting.

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 AUMAQA001 Apply quality assurance techniques

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Performance Evidence

Before competency can be determined, individuals must have competently applied quality standards on a minimum of three occasions.

Individuals must demonstrate they can:

- comply with workplace production standards and quality assurance techniques
- apply workplace procedures relating to quality assurance techniques
- communicate effectively with team leaders and team members to ensure quality assurance
- document quality improvement activity and techniques
- complete quality improvement reports.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- quality processes
- workplace procedures relating to quality assurance techniques
- process improvement tools
- processes and procedures for implementing quality improvement activities, including:
 - processes and required resources from a quality improvement plan
 - identifying and allocating tasks from the quality improvement plan
 - recording and reporting procedures for monitoring progress of quality improvement plan activities
- types, layout and application of quality improvement activity reports.

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.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the application of quality assurance techniques.

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
- tools, equipment and machinery required when producing motor vehicles
- workplace procedures relating to quality assurance techniques
- quality improvement plan
- process control plans (PCPs) or workplace equivalent.

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