



Australian Government

AUMGTW002 Perform mechanical cutting

Release: 2

AUMGTW002 Perform mechanical cutting

Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMGTW3002 Conduct mechanical cutting operations
Release 2	Updated for clarity and policy adherence

Application

This unit describes the performance outcomes required to prepare and operate mechanical cutting equipment.

It involves the application of skills and knowledge at a production worker level.

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

Unit Sector

Technical – Welding

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for work	1.1 Identify job requirements and specifications from work order and drawings 1.2 Select appropriate cutting equipment, inspecting for safe operation and identifying faults 1.3 Set and adjust cutting equipment for use, according to material type and job specifications 1.4 Identify cutting list from work plan and plan cutting processes to ensure minimal waste
2. Undertake cutting processes	2.1 Identify and use personal protective equipment (PPE) according to workplace procedures and work health and safety (WHS) requirements

Elements	Performance Criteria
	2.2 Check equipment safety stops and guards, adjusting if necessary 2.3 Operate equipment according to manufacturer instructions and workplace procedures 2.4 Inspect and cut material according to job specifications 2.5 Identify cutting defects and take corrective action
3. Complete work processes	3.1 Clean and maintain work area and equipment according to workplace procedures 3.2 Identify, tag and report faulty cutting equipment 3.3 Complete cutting list and give to appropriate personnel

Foundation Skills

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

Skills	Description
Learning skills to:	<ul style="list-style-type: none"> draw on prior knowledge to identify job needs locate, evaluate and organise job information.
Reading skills to:	<ul style="list-style-type: none"> interpret workplace procedures and work health and safety (WHS) requirements identify work orders and cutting list interpret working drawings, job specifications and manufacturer instructions.
Writing skills to:	<ul style="list-style-type: none"> prepare cutting list complete faulty equipment tags.
Oral communication skills to:	<ul style="list-style-type: none"> report machine faults.
Numeracy skills to:	<ul style="list-style-type: none"> mark materials to specifications calculate measurements from working drawings identify quantities follow cutting list.
Planning and organising skills to:	<ul style="list-style-type: none"> select and use cutting equipment plan cutting operation prepare cutting equipment, materials and work area.

Self-management skills to:	<ul style="list-style-type: none"> perform cutting activities within required workplace timelines maintain equipment according to workplace procedures.
Problem-solving skills to:	<ul style="list-style-type: none"> identify machine faults.

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AUMGTW002 Perform mechanical cutting (Release 2)	AUMGTW002 Perform mechanical cutting (Release 1)	Minor updates to Assessment Requirements. Performance Criteria changed from passive to active voice. Rationalisation of Range of Conditions.	Equivalent

Links

Companion Volume Implementation Guides are found in VETNet -

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