



Australian Government

Department of Education, Employment and Workplace Relations

BCC1005A Use hand and power tools

Release: 1

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Modification History

Not applicable.

Unit Descriptor

Not applicable.

Application of the Unit

Not applicable.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

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Element	Performance Criteria
1 Identify hand and power tools	1.1 Regular power tools appropriate to construction activities recognised. 1.2 Types of hand and power tools and their functions, identified. 1.3 Sources of power supply recognised.

- 1.4 OH&S requirements with the use of power tools recognised and adhered to.
 - 1.5 Quality Assurance requirements recognised and adhered to.
 - 1.6 Personal protective equipment selected, correctly fitted and used.
- 2 Select hand tools
 - 2.1 Hand tools selected consistent with needs of job.
 - 2.2 Tools checked for serviceability and safety, faults reported.
 - 2.3 Equipment selected to hold or support material for power tools application, where applicable.
- 3 Use hand tools
 - 3.1 Materials located and held in position.
 - 3.2 Hand tools safely and effectively used according to their intended use.
 - 3.3 Hand tools safely located when not in immediate use.
- 4 Select power tools
 - 4.1 Power tools, leads and hoses selected consistent with needs of job in accordance with standard work practice; faults reported.
 - 4.2 Power leads/hoses visually checked for serviceability/safety in accordance with OH&S requirements.
- 5 Establish power supply to work location
 - 5.1 Route identified for safe placement of leads/hoses clear of hazards.
 - 5.2 Electrical power leads run out to power supply and supported overhead so they are clear of traffic or covered where possible.
 - 5.3 Electric power leads connected to either supply and power board or direct to power tool.
 - 5.4 Air hoses run out to compressed air supply and covered where potential trip hazard exists.
 - 5.5 Hose connected to power tool and air supply.

- 6 Use power tools
 - 6.1 Material located and held into position for power tool application, where applicable.
 - 6.2 Power tools safely and effectively used in application processes.
 - 6.3 Power tools safely located when not in use.
- 7 Clean up
 - 7.1 Power tools cleaned, maintained and stored.
 - 7.2 Power leads/hoses cleaned, visually checked and stored.
 - 7.3 Equipment cleaned, maintained and stored.
 - 7.4 Work area cleared and waste removed.

Required Skills and Knowledge

Not applicable.

Evidence Guide

Competency is to be demonstrated by the safe and effective operation of the particular hand and power tools listed within the range of variables statement relative to the work orientation.

(1) Critical Aspects and Evidence

It is essential that competence is observed in the following aspects:

compliance with Occupational Health and Safety regulations and State/Territory legislation applicable to work place operations.

compliance with organisational policies and procedures including Quality Assurance requirements.

correct procedures carried out prior to and during the application of construction process.

safe and effective operational use of tools, plant and equipment, and effective communication.

(2) Pre-requisite Relationship of Units

This unit of competency is dependent upon acquiring the relevant pre-requisite competencies in basic industry and basic stream skills.

(3) Underpinning Knowledge and Skills

Knowledge

A knowledge of:

workplace and equipment safety requirements and relevant OH&S legislation

portable power tools

hand tools and equipment

materials

materials handling whilst operating tools

Quality Assurance

Skills

The ability to:

work safely to instructions

apply appropriate hand eye coordination in the use of tools

handle material during operation of tools

select material

apply Quality Assurance

communicate effectively

(4) Resource Implications

The following resources should be made available:

general construction materials appropriate to the construction process

plant and equipment appropriate to the construction process

suitable work area appropriate to the construction process

appropriate OH&S resources

(5) Method of Assessment

Competency should be assessed through direct observation and questions related to underpinning knowledge.

Competency of this unit may be determined concurrently, based upon project work.

Competency shall be assessed while work is undertaken under general guidance, checking at various stages of the process and at the completion of the activity against the performance criteria and specifications.

(6) Context of Assessment

Competency shall be assessed in the normal or simulated workplace environment and in accordance with safe work procedures.

Assessment shall include those aspects that are consistent with the work environment of this unit.

Competency shall be assessed while work is undertaken autonomously, within a team environment.

Assessment may be intermittent checking at the various stages of the job application in accordance with the performance criteria, or may be at the completion of the process. Guidelines will be in line with statutory requirements, enterprise specific policies and procedures and codes of practice.

Competency is to be demonstrated by the safe and effective operation of the particular hand and power tools listed within the range of variables statement relative to the work orientation.

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Range Statement

Hand tools include:

adjustable spanners
bars (crow and pinch)
bolt cutters
brooms
chisels
hacksaws
handsaws
hammers
measuring tapes
nips
picks/mattocks
pliers
sealant gun
shovels/spades
sledge hammer
spanners and wrenches
spirit level
straight edge
string lines
trowels and floats
wire cutters
paint brushes/rollers
spatula/putty knives

Reports may be written or verbal.

Power supply to include:

electric
pneumatic

Power Tools include

kanga hammer
cut off saw
drills
nail guns
staplers
screwdrivers
sanders
angle grinders
pneumatic wrenches
circular saws
jig saws
planers
routers
hammers
spades
tampers

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hammers
spades
tampers

Unit Sector(s)

Not applicable.