BCC1005A Use hand and power tools
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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

<table>
<thead>
<tr>
<th>Element</th>
<th>Performance Criteria</th>
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<tbody>
<tr>
<td>1 Identify hand and power tools</td>
<td>1.1 Regular power tools appropriate to construction activities recognised.</td>
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<td>1.2 Types of hand and power tools and their functions, identified.</td>
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<td>1.3 Sources of power supply recognised.</td>
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</table>
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.
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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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spades	
 tampers
Unit Sector(s)

Not applicable.