

**RTC2209A****Unit Descriptor****Unit Sector****Install, maintain and repair fencing**

Install, maintain and repair fencing

No sector assigned

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for fencing work	<p>1.1 <b>Tools and materials</b> appropriate to meet job requirements are selected and checked against the <b>work plan</b>.</p> <p>1.2 Faulty or unsafe tools are identified and segregated for repair or replacement according to <b>enterprise requirements</b>.</p> <p>1.3 <b>Hazards</b> in the workplace are assessed and minimised according to <b>OHS</b> and enterprise requirements.</p> <p>1.4 Transport of fencing materials and equipment (including safety equipment) is arranged and placed according to work plan.</p>
2. Carry out fence installation, repair and maintenance	<p>2.1 Suitable <b>personal protective equipment</b> is selected, used, maintained and stored according to OHS and workplace procedures.</p> <p>2.2 Fence is installed, maintained or repaired according to manufacturers guidelines, OHS and enterprise requirements.</p> <p>2.3 Gates are attached and appropriately positioned for correct operation and function according to work plan.</p> <p>2.4 Dismantling operations are carried out as required with a focus on minimising unnecessary damage and recovering all <b>re-useable materials</b>.</p> <p>2.5 <b>Repair</b> requirements are identified and carried out according to work plan procedures.</p> <p>2.6 <b>Replacement posts</b> are installed to appropriate level and secured through soil replacement and ramming.</p> <p>2.7 Wire is strung, mounted and fixed according to requirements of work plan or supervisor's instructions.</p> <p>2.8 All work is carried out safely according to OHS and enterprise requirements.</p>
3. Complete fencing work	<p>3.1 Post holes are firmly filled to remove potential hazards and minimise environmental impact.</p> <p>3.2 Work site is <b>cleared and tidied</b> and all non-reusable materials are disposed of in an environmentally responsible manner.</p> <p>3.3 Tools and re-usable materials are transported safely from the work site, cleaned and stored according to enterprise and manufacturers recommendations.</p> <p>3.4 Further identified work or repair requirements are reported according to enterprise requirements.</p>

## KEY COMPETENCIES

What processes should be applied to this competency standard? There are a number of processes that are learnt throughout work and life, which are required in all jobs. They are fundamental processes and generally transferable to other work functions. Some of these are covered by the key competencies, although others may be added. The questions below highlight how these processes are applied in this competency standard. Following each question a number in brackets indicates the level to which the key competency needs to be demonstrated where 0 = not required, 1 = perform the process, 2 = perform and administer the process and 3 = perform, administer and design the process.

Key Competency	Example of Application	Performance Level
Communicating ideas and information	Information with regard to the operation of tools and application methods may be discussed with the supervisor.	1
Collecting analysing and organising information	Information with regard to the performance of tools and any identified faults may be reported to the supervisor for repair and organised by records.	1
Planning and organising activities	Activities involving filling in post holes may be planned and coordinated with repair activities to minimise potential hazards and environmental impact.	1
Working with others and in teams	In the application of methods and procedures to complete scheduled fencing tasks within timeframes.	1
Using mathematical ideas and techniques	Basic mathematical techniques may be applied in the calculation and measurement of fencing wire and other materials to complete tasks.	1
Solving problems	Faulty tools or malfunctions may be reported for repair, and arrangements made for replacement in order to minimise disruption to repair and maintenance schedules.	1
Using technology	Technology may be used to communicate and calculate information with regard to fencing requirements.	1

## RANGE STATEMENT

What tools and materials might be used?

Tools may include post driver, posthole borer, crowbar, wire strainers and fencing pliers. Materials may include fencing wire which may vary - plain, barbed, ringlock and netting.

What information may be included in a work plan?

This may include designated work tasks, tools and materials for use, procedures for pre-start and safety checks of tools, timeframe for work completion, supervisor's instructions and reporting requirements.

What may be involved in routine pre-operational checks of tools?	This may include routine safety and pre-start checks, and preparatory procedures including cleaning, lubricating, hand sharpening, tightening, basic repairs and adjustments.
What enterprise requirements may be applicable to this standard?	Standard Operating Procedures (SOPs), industry standards, production schedules, Material Safety Data Sheets (MSDSs), work notes and plans, product labels, manufacturers specifications, operators' manuals, enterprise policies and procedures (including waste disposal, recycling and re-use guidelines), and supervisors oral or written instructions.
What hazards may be relevant to this standard?	This may include exposure to hazardous noise, treated timbers, wire breaking, manual handling, trip points, dust solar radiation and adverse weather conditions. It may also include electricity associated with powered tools.
What OHS requirements may be applicable to this standard?	<p>Safe systems and procedures for:</p> <ul style="list-style-type: none"> <li>• the use of fencing tools and materials</li> <li>• the operation of vehicles</li> <li>• hazard and risk control</li> <li>• lifting, carrying and handling techniques</li> <li>• manual handling especially when handling posts, coils of wire and using tools</li> <li>• the use, maintenance and storage of personal protective equipment</li> <li>• outdoor work including protection from solar radiation</li> <li>• protection from dusts</li> <li>• administering first aid.</li> </ul>
What personal protective equipment may be relevant to this standard?	This may include boots, overalls, gloves, eye protection, hearing protection and sun protection.
What re-useable materials may be recovered?	This may include wire, hinges, supports, gates, netting and posts.
What repairs may be carried out?	This may include replacing posts, rejoining and restraining wires, gate hinges, gate chains and gates, other repairs to gates.
What requirements may be considered when replacing posts?	Replacements posts need to be consistent with existing fence, height and type.

What may be involved in clearing and tidying a work site?

This may involve replacing soil, and clearing, removal and safe disposal of non-reusable materials.

## EVIDENCE GUIDE

**What specific knowledge is needed to achieve the performance criteria?**

Knowledge and understanding are essential to apply this standard in the workplace, to transfer the skills to other contexts and to deal with unplanned events. The knowledge requirements for this competency standard are listed below:

- Uses and structures of a range of conventional fence types.
- Uses and types of fencing tools and materials.
- Fencing wire, knots, tensions, capabilities and limitations.
- Strainer assembly, gate types and construction.
- Common fencing hazards and safety precautions.
- OHS legislative requirements and Codes of Practice including hazard and risk assessment relevant to the work function.
- Relevant Codes of Practice with regard to protection of the environment.

**What specific skills are needed to achieve the performance criteria?**

To achieve the performance criteria, appropriate literacy and numeracy levels as well as some complementary skills are required. These include the ability to:

- Demonstrate safe working practices.
- Minimise environmental impact.
- Interpret and apply task instruction.
- Complete work efficiently within timeframes.
- Maintain physical fitness.
- Read and interpret work plans.
- Communicate with work team and supervisor.
- Calculate and measure fencing wire requirements.

**Are there other competency standards that could be assessed with this one?**

This competency standard could be assessed on its own or in combination with other competencies relevant to the job function.

**Essential Assessment Information**

There is **essential information about assessing this competency standard for consistent performance and where and how it may be assessed**, in the Assessment Guidelines for this Training Package. All users of these competency standards must have **access** to both the **Assessment Guidelines** and the relevant **Sector Booklet**.