



Australian Government

Department of Education, Employment and Workplace Relations

FPICOT2206A Cross cut materials with a hand-held chainsaw

Release: 1

FPICOT2206A Cross cut materials with a hand-held chainsaw

Modification History

Not applicable.

Unit Descriptor

This unit specifies the outcomes required to prepare and cut materials with a hand-held chainsaw. This unit includes chainsaw maintenance. Compliance with licensing, legislative, regulatory or certification requirements may be required in various jurisdictions

This unit replaces FPIC2011A Cross cut materials with a hand-held saw

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Application of the Unit

This unit supports the attainment of skills and knowledge required for competent workplace performance in forest and forest products operations of all sizes. The unit applies to a factory environment and involves application of skills and knowledge at a production worker level.

These skills and knowledge are to be used within the scope of the persons job and authority

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Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and the Range Statement. Assessment of performance is to be consistent with the Evidence Guide

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Elements and Performance Criteria

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Element	Performance Criteria
1 Prepare for operation	<p>1.1 Applicable Occupational Health and Safety (OHS), legislative and organisational requirements relevant to cross cutting materials with a hand-held chainsaw are identified and complied with</p> <p>1.2 Work order is reviewed and clarified with appropriate personnel</p> <p>1.3 Equipment is selected appropriate to work requirements and checked for operational effectiveness in accordance with manufacturer's recommendations and site procedures</p> <p>1.4 Chainsaw operations are identified for safe working conditions and planned in accordance with site procedures and environmental protection measures</p> <p>1.5 Communication with others is established and maintained in accordance with OHS requirements and site procedures</p>
2 Cross cut material	<p>2.1 Work area is prepared, checked and cleared in accordance with OHS requirements and site procedures</p> <p>2.2 Material is cut within site standard tolerances for length and angle relative to centre line in</p>

- accordance with OHS requirements
- 2.3 Material is visually assessed for defects in accordance with site standards
 - 2.4 **Cutting techniques** maximise volume and quality of recovery in accordance with work order and industry standard lengths
 - 2.5 Chainsaw is operated in accordance with OHS and site procedures, and manufacturer's recommendations
 - 2.6 **Problems** are identified and reported in accordance with site procedures
- 3 Maintain chainsaw
- 3.1 Chainsaw is cleaned, maintained and stored in accordance with manufacturer's recommendations and site procedures
 - 3.2 Cutting rate is compared with that anticipated from knowledge of saw, size, species and condition of material
 - 3.3 Blunt or damaged saws are identified and dealt with according to site procedures and manufacturer's recommendations
 - 3.4 Production and quality **records and reports** are processed in accordance with site procedures and organisational requirements

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit

Required skills include:

comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for using a hand-held chainsaw

review and accurately identify work requirements

use and maintain relevant tools, machinery and equipment

safely and efficiently use a hand-held chainsaw and carry out lock-out procedures

use appropriate methods to cross cut materials with a hand-held chainsaw

effectively maximise volume and quality recovery

identify defects and problems and demonstrate appropriate response procedures

use effective communication and interpersonal techniques with colleagues and others

accurately identify blunt or damaged saws

accurately locate, record and report information

Required knowledge and understanding includes:

basic knowledge and understanding of applicable Commonwealth, State or Territory licensing, legislative, regulatory or certification requirements and codes of practice relevant to the full range of processes for cross cutting materials with a hand-held chainsaw

organisational and site standards, requirements, policies and procedures for cross cutting materials with a hand-held chainsaw

use appropriate communication and interpersonal techniques with colleagues and others

environmental protection requirements, including the safe disposal of waste material

established communication channels and protocols

industry standard length dimensions

operating and maintenance requirements of a hand-held chainsaw

effects of defects on recovery

common industry terminology

principles of cultural diversity and access and equity

appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks

procedures for the recording and reporting of workplace documentation and information

KEYCOMPETENCIES

The seven key competencies represent generic skills considered necessary for effective participation by an individual in the workplace Performance Level 1 - at this level, the candidate is required to undertake tasks effectively Performance Level 2 - at this level, the candidate is required to manage tasks Performance Level 3 - at this level, the candidate is required to use concepts for evaluating and reshaping task

Key Competency	Example of Application	Performance Level
How are ideas and information communicated?	By completing all required records and documentation	1
How can information be collected, analysed and organised?	By reviewing, confirming with appropriate personnel, and clarifying work order requirements	1
How are activities planned and organised?	By planning and preparing for chainsaw operations	2
How is team work used?	By communicating with other personnel	1
How are mathematical ideas and techniques used?	By cutting material to industry standard lengths	1
How are problem solving skills applied?	By monitoring and maintaining safe working conditions for chainsaw operations	1
How is the use of technology applied?	By maintaining equipment	1

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Packag

Overview of assessment

A person who demonstrates competency in this unit must be able to provide evidence that they can use a hand-held chainsaw while demonstrating the correct procedures for cross cutting materials in accordance with organisational guidelines

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Compliance with applicable Commonwealth, State or Territory legislative and regulatory requirements and codes of practice, including OHS, environmental and organisational policies and procedures, relevant to cross cutting materials with a hand-held chainsaw

Compliance with applicable licensing or certification requirements

Communicate effectively and work safely with others in the work area

Safely cross cut material using a hand-held chainsaw maximising volume and quality of recovery

Conduct efficient routine maintenance and adjustment procedures required of a hand-held chainsaw

Identify faults, malfunctions or irregular operation of hand-held chainsaw and report for corrective action

Context of and specific resources for assessment

Competency is to be assessed in the workplace or realistically simulated workplace

Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints

Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context

Assessment is to comply with relevant regulatory or Australian Standards

requirements

The following resources should be made available:

workplace location or simulated workplace
materials and equipment relevant to cross cutting materials with a hand-held chainsaw
specifications and work instructions

Method of assessment

Assessment must satisfy the endorsed Assessment Guidelines of the FPI05 Training Package

Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge

Assessment must be by direct observation of tasks, with questioning on underpinning knowledge and it must also reinforce the integration of key competencies

Assessment methods must confirm the ability to access and correctly interpret and apply the essential underpinning knowledge

Assessment may be applied under project-related conditions (real or simulated) and require evidence of process

Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances

Assessment may be in conjunction with assessment of other units of competency

The assessment environment should not disadvantage the candidate

Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English

Where the participant has a disability, reasonable adjustment may be applied during assessment

Language and literacy demands of the assessment task should not be higher than those of the work role

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording in the Performance Criteria is detailed below

OHS requirements are to be in accordance with Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures. Requirements may include:

the use of personal protective equipment and clothing
 safety equipment
 first aid equipment
 fire fighting equipment
 hazard and risk control
 elimination of hazardous materials and substances
 awareness of danger zone for kickback
 manual handling including shifting, lifting and carrying

Legislative requirements are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include:

award and enterprise agreements
 industrial relations
 Australian Standards
 confidentiality and privacy
 OHS
 the environment
 equal opportunity
 anti-discrimination
 relevant industry codes of practice
 duty of care

Organisational requirements

may include legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OHS, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines)

Material	<p>is cut on a relatively level and clear surface and not under forest conditions</p> <p>may include logs, packs of timber and individual pieces of timber</p>
Work order	<p>is to include information and instructions relevant to cross cutting operations including processing location details and materials to be cross cut. Information may also include environmental requirements, site plan and environmental features</p>
Appropriate personnel	<p>may include supervisors, clients, colleagues, and line management</p>
Environmental protection measures	<p>may include noise, fumes in enclosed spaces and waste</p>
Communication	<p>may include verbal and non-verbal language, constructive feedback, active listening, questioning to clarify and confirm understanding, use of positive, confident and cooperative language, use of language and concepts appropriate to individual social and cultural differences, control of tone of voice and body language</p>
Cleared	<p>may relate to clearing the work area of off-cuts and shorts, ensuring saw clearance around material, depositing off-cuts, shorts and debris in recognised areas, clearing surfaces of debris likely to cause saw damage in the cutting area</p>
Cutting techniques	<p>may relate to cutting positions, work order requirements, industry standard lengths, cutting patterns, maximising volume and quality of recovery requirements, cutting procedures checking to ensure saw clearance around the material which minimise capping and splitting of material, maximise volume and quality of recovery securing the section on each side of the planned cut</p>
Problems	<p>may relate to performance of chainsaw, defects in material, communication, hazards and risks at the work site, capping and splitting of material, danger zone for</p>

kickback

Records and reports

may include tally sheets, quality sheets/forms, production sheets and downtime sheets

may be manual, using a computer-based system or another appropriate organisational communication system

Unit Sector(s)

Not applicable.

Competency Field

Common Technical
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