



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **FPIWPP2207B Scarf edges of veneer**

**Release: 1**

## **FPIWPP2207B Scarf edges of veneer**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit descriptor**

This unit describes the outcomes required to scarf the edges of veneer to optimise the use of veneer in readiness for bonding to panel products

General workplace legislative and regulatory requirements apply to this unit; however there are no specific licensing or certification requirements at the time of publication

This unit replaces FPIWPP2207A Scarf edges of veneer

### **Application of the Unit**

#### **Application of the unit**

The unit involves scarfing edges of veneer in a forest products factory.

The skills and knowledge required for competent workplace performance are to be used within the scope of the person's job and authority

### **Licensing/Regulatory Information**

Refer to Unit Descriptor

### **Pre-Requisites**

#### **Prerequisite units**

## Employability Skills Information

**Employability skills**            This unit contains employability skills

## Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for scarfing	<p>1.1. Applicable <i>Occupational Health and Safety</i> (OHS), <i>environmental, legislative</i> and <i>organisational requirements</i> relevant to scarfing edges of veneer are identified and followed</p> <p>1.2. <i>Work order</i> is reviewed and checked with <i>appropriate personnel</i></p> <p>1.3. Type and quantity of veneer to be <i>scarfed</i> is acquired from the <i>veneer</i> production process</p> <p>1.4. <i>Equipment</i> is selected appropriate to work requirements and checked for operational effectiveness in line with manufacturer's recommendations</p> <p>1.5. Scarfing sequence and <i>scarf angle</i> are planned in line with site procedures</p> <p>1.6. <i>Communication</i> with others is established and maintained in line with OHS requirements</p>
2. Scarf veneer	<p>2.1. <i>Pre start-up checks</i> are carried out on equipment in line with site requirements</p> <p>2.2. Machine functions and <i>feed rate</i> are set for optimal recovery of product</p> <p>2.3. Scarfing method is selected in line with the veneer being joined</p> <p>2.4. Veneer is positioned and fed at rate appropriate to the machine speed, capacity, veneer thickness and condition</p> <p>2.5. Sheets are <i>visually assessed</i> and scarfed to specification</p> <p>2.6. <i>Out-feed</i> is coordinated to ensure efficient recovery of scarfed material</p> <p>2.7. Scarfing processes and equipment faults are <i>recorded and reported</i> to the appropriate personnel</p>
3. Redistribute material	<p>3.1. Veneer is <i>regraded</i> and joins assessed in line with site requirements and industry standards</p> <p>3.2. Material is directed and <i>moved to storage</i> or processing operations in line with site requirements</p> <p>3.3. Sub-standard material is rejected and <i>disposed of</i> in line with site procedures and environmental requirements</p> <p>3.4. Work area is cleaned in line with site requirements</p>
4. Conduct operator	<p>4.1. Equipment lock-out procedures are followed in line</p>

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
maintenance	with OHS legislation and site procedures 4.2. Cutters or blades are checked for blunt or damaged condition in line with site procedures 4.3. Cutters or blades are removed and replaced in line with manufacturer's recommendations 4.4. Machine area is kept clear of dust, off-cuts and debris in line with OHS requirements

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

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

#### Required skills

- Technical skills sufficient to use and maintain relevant tools, machinery and equipment; efficiently and safely scarf edges of veneer
- Communication skills and interpersonal techniques sufficient to interact appropriately with colleagues and others in the workplace
- Literacy skills sufficient to accurately locate, record and report information
- Numeracy skills sufficient to estimate, measure and calculate time required to complete a task
- Problem solving skills sufficient to review and accurately identify work requirements; identify problems and equipment faults and demonstrate appropriate response procedures

#### Required knowledge

- Applicable Commonwealth, State or Territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes for scarf edges of veneer
- Environmental protection requirements, including the safe disposal of waste material and the cleaning of plant, tools and equipment
- Organisational and site standards, requirements, policies and procedures for scarfing edges of veneer
- Environmental risks and hazards
- Veneer scarfing techniques
- Methods of visual inspection
- Distribution processes
- Storage systems and labelling

**REQUIRED SKILLS AND KNOWLEDGE**

- Established communication channels and protocols
- Problem identification and resolution strategies and common fault finding techniques
- Types of tools and equipment and procedures for their use, operation and maintenance
- Appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks
- Procedures for recording and reporting workplace information

# Evidence Guide

## EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

### Overview of assessment

A person who demonstrates competency in this unit must be able to provide evidence that they can safely and efficiently scarf veneer in line with organisational requirements

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

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements of this unit and include demonstration of:

- following applicable Commonwealth, State or Territory legislative and regulatory requirements and codes of practice relevant to scarfing edges of veneer
- following organisational policies and procedures relevant to scarfing edges of veneer
- scarfing veneer in readiness for application to panel products or for interim storage
- redistributing material on site using designated equipment

### 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 required 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 undertaking work applicable to this unit
  - specifications and work instructions

### Method of assessment

- Assessment must satisfy the endorsed Assessment Guidelines of the FPI11 Training Package
- Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with

## EVIDENCE GUIDE

application of required knowledge

- Assessment must be by direct observation of tasks, with questioning on required knowledge and it must also reinforce the integration of employability skills
- Assessment methods must confirm the ability to access and correctly interpret and apply the required 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. **Italicised** wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

**OHS requirements:** are to be in line with applicable Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures, and may include:



## RANGE STATEMENT

- personal protective equipment and clothing
- safety equipment
- first aid equipment
- fire fighting equipment
- hazard and risk control
- fatigue management
- elimination of hazardous materials and substances
- safe forest practices including required actions relating to forest fire
- manual handling including shifting, lifting and carrying
- legislation
- organisational policies and procedures
- workplace practices

**Environmental requirements**  
may include:

**Legislative requirements:**

are to be in line with applicable Commonwealth, State or Territory legislation, regulations, certification requirements and codes of practice and 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 procedures
- ethical standards
- recording and reporting requirements
- equipment use and maintenance and storage

## RANGE STATEMENT

	requirements
	<ul style="list-style-type: none"> <li>environmental management requirements (waste minimisation and disposal, recycling and re-use guidelines)</li> </ul>
<b>Work order</b> is to include:	<ul style="list-style-type: none"> <li>instructions for the scarfing of veneer</li> </ul>
	and may include:
	<ul style="list-style-type: none"> <li>species</li> <li>colour</li> <li>type, width</li> <li>length, thickness</li> <li>quantity</li> <li>scarfing method</li> <li>instructions for the environmental monitoring of work and procedures</li> <li>environmental care requirements relevant to the work</li> </ul>
<b>Appropriate personnel</b> may include:	<ul style="list-style-type: none"> <li>supervisors</li> <li>suppliers</li> <li>clients</li> <li>colleagues</li> <li>managers</li> </ul>
<b>Scarfing</b>	is the process of overlapping the end or edge of one piece of veneer over the end or edge of another to extend the veneer and its application potential or to create a continuous role
<b>Veneer</b>	<ul style="list-style-type: none"> <li>is the thin sheet of timber (varying in thickness to suit organisational or customer specifications) used to produce the layers of plywood</li> <li>types are usually referred to as quarter sawn, back sawn and radial (or rotary) sawn</li> </ul>
<b>Equipment</b> may include:	<ul style="list-style-type: none"> <li>specialised scarfing machines</li> </ul>
	and is to include:
	<ul style="list-style-type: none"> <li>procedures for equipment lock-out, ie protecting operators and co-workers from accidental injury by isolating the machine from the power source</li> </ul>
<b>Scarf angle</b>	is the angle at which the end of the veneer is tapered to allow overlap of the joining piece of veneer which has been scarfed at the opposing

## RANGE STATEMENT

- angle
- Communication** 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
  - body language
- Pre start-up checks** are conducted to ensure:
- machine has been set-up correctly
  - systems are performing accurately
  - machinery is operating to optimum performance
- Feed rate** is to include:
- the rate of speed the veneer is passed through the scarfing machine
  - the impact on equipment
  - the finish of the scarf
  - the production output
- Visually assessed** is to include:
- strength
  - overlaps
  - gaps
  - veneer faults
  - joining spacings
- Out-feed :** is the scarfed veneer produced from the machining operation and includes:
- handling it in such a way as to ensure the thin edge is not broken or torn
- Records and reports** may include:
- scarfing requirements and angle
  - product type
  - size
  - inspection
  - grading and labelling outcomes
  - storage locations
  - quality outcomes

## RANGE STATEMENT

- hazards
- incidents
- equipment malfunctions

and may be:

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

### **Regrading**

is the process of visually inspecting veneer to re-classify its quality and use after scarfing has taken effect

**Movement of material** may include:

the use of:

- conveyor belt systems
- track systems
- lifting equipment such as:
  - fork lifts
  - slings
  - trolley jacks
  - gantry cranes
  - loaders
- assistance with lifting such as:
  - the involvement of two or more personnel to lift materials manually or to guide the movement of mechanical equipment

**Storage** may include:

the use of:

- storage racks
- storage bays
- bins
- stacks
- pallet boxes
- modularised storage components
- temporary stacking bays (stand, frame or ground)

and may be divided into:

- standard product classification
- product designation
- size
- dimension

**RANGE STATEMENT**

- stack number
  - weight
  - grade
  - shelf life
  - stock rotation position
- Disposing of** may include:
- recycling sub-standard material
  - re-using sub-standard material

**Unit Sector(s)**

**Unit sector** No sector assigned

**Co-requisite units**

**Co-requisite units**

**Competency field**

**Competency field** Wood Panel Products