



Australian Government

Department of Education, Employment and Workplace Relations

TLIW2025A Dock boards on mechanical feeds

Release: 1

TLIW2025A Dock boards on mechanical feeds

Modification History

Not Applicable

Unit Descriptor

Unit Descriptor

This unit involves the skills and knowledge required to dock boards using mechanical feed systems in accordance with workplace procedures including preparing for docking with mechanical feed, cutting boards on mechanical feed, monitoring and rectifying processing operations, and completing operations in accordance with workplace requirements. Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Application of the Unit

Application of the Unit

Work must be carried out in accordance with regulations and workplace requirements relevant to pallet manufacturing processes.

Work is generally performed under some supervision, within a team/group environment. It involves the application of regulatory requirements and workplace procedures to the docking of boards using mechanical feed processes as part of pallet manufacturing processes in the transport, warehousing, distribution and/or storage industries.

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

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 required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare for docking with mechanical feed	1.1 Appropriate workplace occupational health and safety and other regulatory procedures are followed 1.2 Job requirements regarding sizes and lengths acceptable for further processing are identified from order forms/workplace standards 1.3 Start-up checks are completed according to workplace procedures 1.4 General cross-section, length and condition of boards on conveyor is visually assessed in accordance with workplace quality standards 1.5 Typical docking/cutting patterns are identified 1.6 Communication with supervisor and other workers is maintained to ensure efficient work flow
2 Cut boards on mechanical feed	2.1 Individual boards are assessed and the optimal docking/cutting pattern is identified 2.2 Boards are positioned and saw(s) operated to produce selected cutting pattern 2.3 Swollen ends of boards are removed 2.4 Cuts are made to required lengths 2.5 Cuts are made to required grade 2.6 Faults/problems with materials or componentry are identified and appropriate action is undertaken in accordance with workplace procedures 2.7 Reject boards are identified and marked or removed
3 Monitor and correct processing	3.1 Feed systems are regularly monitored for material flow problems 3.2 Dimensions and finish of cut boards are regularly checked in accordance with workplace standards 3.3 Characteristics of blunt and damaged saws are recognised 3.4 Saw blades are removed and replaced in accordance with workplace standard procedures 3.5 Area around saw is regularly cleaned in accordance with workplace standard procedure
4 Complete operations	4.1 Machine shut-down is conducted according to workplace and manufacturers guidelines 4.2 Boards are relocated to holding area without damage to boards, personnel or equipment 4.3 Waste materials are directed for disposal or recovery 4.4 Production records are completed in accordance with workplace procedures

ELEMENT**PERFORMANCE CRITERIA**

4.5 Maintenance program (where applicable) is completed and recorded

Required Skills and Knowledge

REQUIRED KNOWLEDGE AND SKILLS

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

Required knowledge:

- Regulations relevant to the docking of boards using mechanical feed processes including requirements of Australian Standards AS 2858 and AS 2082
- Relevant OH&S and environmental protection procedures and guidelines
- Workplace procedures and policies for the docking of boards using mechanical feed processes
- Focus of operation of work systems, equipment, management and site operating systems for the docking of boards using mechanical feed processes
- Problems that may occur when docking boards using mechanical feed processes and appropriate action that can be taken to resolve the problems
- Documentation and record requirements
- Equipment used during the docking of boards using mechanical feed processes and the precautions and procedures that should be followed in its use
- Housekeeping standards and procedures required in the workplace
- Site layout and obstacles

Required skills:

- Communicate effectively with others when docking boards using mechanical feed processes
- Read and interpret instructions, procedures, information and labels relevant to the docking of boards using mechanical feed processes
- Interpret and follow operational instructions and prioritise work
- Complete documentation related to the docking of boards using mechanical feed processes
- Operate electronic communication equipment to required protocol
- Work collaboratively with others when docking boards using mechanical feed processes
- Adapt appropriately to cultural differences in the workplace, including modes of behaviour and interactions with others
- Promptly report and/or rectify any identified problems, faults or malfunctions that may occur when docking boards using mechanical feed processes in accordance with regulatory requirements and workplace procedures

Required skills:

- Apply precautions and required action to minimise, control or eliminate hazards that may exist during work activities
- Plan own work including predicting consequences and identifying improvements
- Monitor work activities in terms of planned schedule
- Modify activities depending on differing operational contingencies, risk situations and environments
- Work systematically with required attention to detail without injury to self or others, or damage to goods or equipment
- Maintain machinery including saw blade quality and sharpness
- Carry out visual inspection of board quality to Australian Standards AS 2858 and AS 2082
- Identify, select and efficiently and effectively use relevant materials and equipment when docking boards using mechanical feed processes
- Adapt to differences in materials and equipment in accordance with standard operating procedures
- Select and use required personal protective equipment conforming to industry and OH&S standards

Evidence Guide**EVIDENCE GUIDE**

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

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 and performance criteria of this unit and include demonstration of applying:
 - the underpinning knowledge and skills
 - relevant legislation and workplace procedures
 - other relevant aspects of the range statement

Context of and specific resources for assessment

- Performance is demonstrated consistently over a period of time and in a suitable range of contexts
- Resources for assessment include:
 - a range of relevant exercises, case studies and/or other simulated practical and knowledge assessment, and/or
 - access to an appropriate range of relevant operational

EVIDENCE GUIDE

	situations in the workplace • In both real and simulated environments, access is required to: • relevant and appropriate materials and equipment, and • applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
Method of assessment	• Assessment of this unit must be undertaken by a registered training organisation • As a minimum, assessment of knowledge must be conducted through appropriate written/oral tests • Practical assessment must occur: • through activities in an appropriately simulated environment at the registered training organisation, and/or • in an appropriate range of situations in the workplace

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.

Work may be conducted:	• in a range of work environments by day or night
Customers may be:	• internal or external
Workplaces may comprise:	• large, medium or small worksites
Workplace environment may include:	• movement of equipment, goods, products, materials and vehicular traffic
The docking process is conducted:	• as part of manufacture/repair activities with the operator using discretion and judgement within established specifications
Timber may be:	• hardwood or softwood
Docking equipment covers:	• manually controlled docking and trimming saws to which boards are mechanically fed
Equipment may include:	• single or multiple saw positions

RANGE STATEMENT

Visual assessment may cover the requirements of Australian Standards AS 2858 or AS 2082 and specifically includes:

- timber types and species
- timber characteristics
- end condition of the timber

OH&S requirements include:

- manual handling, protective clothing, elimination/control of hazards, machine isolation and machine guarding

Personal protective equipment may include:

- gloves
- safety headwear and footwear
- safety glasses
- respirators
- protective clothing

Hazards in the work area may include exposure to:

- chemicals
- dangerous or hazardous substances
- stationary and moving equipment, parts and materials
- noise, light, energy sources
- electrical equipment
- humidity, air temperature, radiant heat
- debris on floor
- faulty racking
- poorly stacked materials or finished pallets
- faulty equipment

Consultative processes may involve:

- workplace personnel
- supervisors and managers
- customers/clients
- suppliers
- contractors
- union representatives
- industrial relations and OH&S specialists
- other professional or technical staff

Communication in the work area may include:

- phone
- fax
- email
- internet
- barcode readers
- oral, aural or signed communications

Depending on the type of organisation concerned and the local terminology used, workplace procedures may include:

- company procedures
- enterprise procedures
- organisational procedures
- established or standard procedures

RANGE STATEMENT

Information/documents may include:

- job specifications and workplace operating procedures
- relevant Australian or international standards
- manufacturers specifications for equipment/tools
- supplier and/or client instructions
- quality assurance standards for pallet manufacture
- material safety data sheets (where applicable)
- codes of practice including the National Standards for Manual Handling and the Industry Safety Code
- relevant regulations including the ADG Code
- award, enterprise bargaining agreement, other industrial arrangements
- standards and certification requirements
- emergency procedures
- relevant codes and regulations pertaining to pallet manufacture
- Australian Standards AS 2858 and AS 2082
- relevant state/territory OH&S legislation
- relevant state/territory environmental protection legislation
- licence, patent or copyright arrangements
- ADG Code and regulations
- workplace relations regulations including equal opportunity, equal employment opportunity and affirmative action legislation
- workers compensation regulations

Applicable regulations and legislation may include:

Unit Sector(s)

Not Applicable

Competency Field

Competency Field

W - Equipment and Systems Operations