



Australian Government

FWPHAR3208 Conduct boom delimber operations

Release: 1

FWPHAR3208 Conduct boom delimber operations

Modification History

Release	Comment
1	Replaces equivalent FPIHAR3208C Conduct boom delimber operations, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to operate a boom delimber. It requires the functions of mechanically delimbing trees and cutting to length, as well as segregating and placing logs to allow access for extraction.

The unit applies to those who operate boom delimbers in a forest environment.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Plan and prepare for boom delimber operations	1.1 Identify and follow WHS, environmental, legal and organisational requirements relevant to conducting boom delimber operations. 1.2 Review work order and clarify with appropriate personnel. 1.3 Select equipment and check for operational effectiveness. 1.4 Plan boom delimber operations in line with site procedures and environmental and heritage concerns and to ensure minimal damage and recovery.

2. Operate equipment to delimb individual trees	2.1 Establish and maintain communication with relevant personnel. 2.2 Carry out pre-operational checks on equipment and attachments. 2.3 Position equipment for stable and safe access to felled trees and so loads are placed within rated load/reach capacity. 2.4 Coordinate tree supply with other site operations in line with site procedures. 2.5 Clamp, lift and process trees through delimber with minimal damage to surrounding trees. 2.6 Select and adjust processing techniques in response to unexpected characteristics, movement or condition of trees and to maintain efficient operations. 2.7 Place logs to allow clear access for extraction and separation for grade and size when possible. 2.8 Monitor movement and whereabouts of other personnel to ensure work site is safe. 2.9 Move equipment over pre-arranged routes with minimal damage to the environment.
3. Carry out machine operator maintenance	3.1 Equipment lock-out procedures are followed in line with WHS requirements and site procedures. 3.2 Conduct visual inspection of equipment to identify faults. 3.3 Diagnose and report faults, malfunctions or problems. 3.4 Conduct routine operational servicing to maintain optimum operational performance of equipment. 3.5 Clean and store equipment, attachments and other ancillary equipment are cleaned and stored. 3.6 Record and report boom delimber operation activities and maintenance in line with site procedures.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	determine the cutting sequence and the direction of fall to minimise damage on surrounding environment.
Communication skills to:	interact verbally and non-verbally using hand signals and agreed gestures with others on site to ensure safe tree felling operations.

Reading skills to:	interpret site requirements, environmental information and manufacturer's instructions.
Writing skills to:	complete log book requirements, maintenance records.
Problem solving skills to:	to identify problems and equipment faults and select treatments.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIHAR3208C Conduct boom delimber operations

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPHAR3208 Conduct boom delimber operations

Modification History

Release	Comment
1	Replaces equivalent FPIHAR3208 Conduct boom delimber operations, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- prepare, plan and conduct boom delimber operations to safely and effectively delimb trees mechanically
- assess site and tree conditions and plan to work safely
- follow work plan for delimbing trees mechanically
- adjust operating techniques in response to site conditions
- communication skills to interact appropriately with others in the workplace
- conducting pre-operational checks and routine operational servicing of equipment.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- workplace requirements and site standards for carrying out boom delimbing operations
- environmental protection requirements
- operational procedures and checks including start-up and shut-down procedures
- equipment processes, technical capability and limitations
- established communication channels and protocols to maintain safety
- processes for managing risks and hazards associated with delimbing operations
- knowledge of defects in trees that can effect processing and cause risk
- workplace health and safety requirements, fire protocols and emergency evacuation procedures.

- problem identification and resolution strategies and common fault finding techniques
- procedures for recording and reporting workplace records and information.

Assessment Conditions

The following resources must be made available:

- a boom delimber
- site with trees to delimb
- work order, workplace requirements and site standards for conducting boom delimber operation
- personal protective equipment required for boom delimber operations
- relevant personnel for the purposes of communicating information

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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