

Modification history

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

FWPHAR2XXX	Conduct mobile hydraulic log splitter
Application	<p>This unit of competency describes the skills and knowledge required to operate a mobile hydraulic splitting unit to split timber for use in rural settings or to produce firewood.</p> <p>The unit applies to individuals who operate mobile hydraulic splitting equipment as part of forestry operations.</p> <p>No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Harvesting and Haulage (HAR)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for splitting operations	1.1 Determine job requirements from work order or instruction, and where required, seek clarification from appropriate personnel 1.2 Confirm production targets and assess wood flow requirements to ensure efficient machine operation and overall productivity 1.3 Confirm safety and environmental requirements for the task according to workplace procedures 1.4 Identify, assess and take actions to mitigate risks and hazards associated with machine operations 1.5 Identify emergency plan procedures to follow in the event of an incident or accident 1.6 Identify type and quantity of timber blocks to be split and quality requirements for split material 1.7 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the work place 1.8 Conduct pre-operational machinery and fuel checks and position, secure and adjust hydraulic splitter according to manufacturer recommendations and workplace procedures
2. Split timber and record data.	2.1 Select and test vertical or horizontal splitting operations 2.2 Ensure splitter is kept clear of timber shards and debris 2.3 Position and secure timber blocks pre-cut to fit within the hydraulic splitter 2.4 Split timber into sizes which suit standard fireplaces, in line with safe work procedure 2.5 Stack or load split timber for transportation 2.6 Set aside split timber that does not meet size requirements for recycling or re-use according to workplace procedures 2.7 Record and report production outcomes and equipment faults to appropriate personnel, according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Carry out machine operator maintenance	3.1 Follow equipment lock-out procedures according to workplace health and safety requirements and workplace procedures 3.2 Conduct visual inspection and fault finding procedures according to manufacturers recommendations and workplace procedures 3.3 Conduct routine operational servicing to maintain optimum operational performance of equipment 3.4 Diagnose faults, malfunctions or problems with equipment and report according to workplace procedures 3.5 Clean and store equipment, attachments and other ancillary equipment 3.6 Record and report splitter operation results according to workplace procedures

Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Read production and safety plans relevant to mobile splitting operations Read standard operating procedures for mobile splitting machines
Writing	<ul style="list-style-type: none"> Complete paper based or electronic forms to record production and machine maintenance information
Oral Communication	<ul style="list-style-type: none"> Ask questions to clarify contents of work instructions
Numeracy	<ul style="list-style-type: none"> Estimate and count number of blocks to be split

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR2XXX Operate mobile hydraulic log splitter	FWPHAR2205 Conduct mobile splitting operations	Update title Updated Elements and Performance Criteria Reworded Performance Evidence Updated Knowledge Evidence Updated Foundation Skills and Assessment Conditions	Equivalent

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPHAR2XXX Operate mobile hydraulic log splitter
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that, on one occasion, the individual has:</p> <ul style="list-style-type: none"> • set up and adjusted a mobile hydraulic splitter for splitting operations according to a work order, manufacturer recommendations and workplace procedures • split timber using a mobile hydraulic splitter according to safe work procedures • disposed of timber following workplace procedures • recorded and reported timber splitting production outcomes and equipment faults according to workplace procedures • performed machine operator maintenance on a hydraulic splitter according to workplace procedures. 	
Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> • procedures for emergency response to forest fire • safe work procedures for conducting mobile splitting operations • environmental protection requirements including re-use, recycling or safe disposal of waste material • procedures for hazard identification and risk assessment and control in the work area, involving hazards and risks in mobile splitting operations • procedures for recording and reporting timber splitting production outcomes and equipment faults • fuels for mobile hydraulic splitters • procedures for safe handling, use, transport and storage of fuel • operation and safety features of mobile hydraulic splitters • operator maintenance on mobile hydraulic splitter and lockout procedures. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in a forest or wood products work environment or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • commercial quantity of pre-cut timber blocks • mobile hydraulic splitter and associated tools, equipment and materials • personal protective equipment required for operating mobile hydraulic splitter • specifications: <ul style="list-style-type: none"> • access to work order or instruction detailing timber splitting task to be carried out • access to workplace health, safety and environmental policies and procedures applicable to the use of a mobile hydraulic splitter • access to workplace procedures related to the use of a mobile hydraulic splitter • manufacturer manual for mobile hydraulic splitter. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47