

**Modification history**

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

|                          |  |
|--------------------------|--|
| <b>FWPHAR4XXX</b>        | <b>Implement environmental management practices in timber harvesting operations</b>  |
| <b>Application</b>       | <p>This unit of competency describes the skills and knowledge required to manage timber harvesting operations to minimise environmental impact and meet the environmental management requirements specified in the relevant harvest plan.</p> <p>The unit applies to individuals whose work involves in applying environmental management practices to forest harvesting operations.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p> |
| <b>Prerequisite Unit</b> | Nil  |
| <b>Unit Sector</b>       | 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. Identify environmental management requirements in forest harvest plans                            | 1.1 Review harvest plan to identify features of the environment that require protection and the required environmental protection measures<br>1.2 Identify resources required to implement the environmental protection measures specified in the harvest plan<br>1.3 Confirm environmental management indicators for the forest harvesting operation<br>1.4 Confirm the methods that will be used to monitor compliance with and achievement of the environmental management indicators   |
| 2. Apply environmental management requirements for a forest harvesting operation                     | 2.1 Communicate environmental management requirements and strategies to protect the environment to work team involved in the harvesting operation prior to starting work<br>2.2 Manage harvesting operation to comply with environmental management indicators, workplace procedures and harvest plan requirements<br>2.3 Identify non compliances with environmental management indicators according to workplace procedures<br>2.4 Rectify and report non compliances with environmental management indicators according to workplace procedures                             |
| 3. Monitor implementation of environmental management requirements for a forest harvesting operation | 3.1 Implement strategies for monitoring compliance with environmental management indicators<br>3.2 Record performance against environmental management indicators for all harvesting stages, including pre- and post-harvesting, according to workplace and contractual requirements<br>3.3 Report performance against environmental management indicators to appropriate stakeholders according to legislative and contractual requirements<br>3.4 Analyse environmental management data from tree harvesting operations to assist with planning future harvesting operations |

| <b>Foundation Skills</b>   |   |
|--|---|
| <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> |   |
| <b>Skill</b>   | <b>Description</b>  |
| Reading  | <ul style="list-style-type: none"> <li>Interpret complex and unfamiliar regulatory and environmental information affecting harvest plans.</li> </ul>  |
| Writing  | <ul style="list-style-type: none"> <li>Complete routine forms related to environmental management practices used in forest harvest operations</li> </ul>  |
| Oral communication   | <ul style="list-style-type: none"> <li>Use interactive communication techniques to communicate information on environmental management practices to forest harvest work teams</li> <li>Ask open and closed probe questions to confirm that work team members are aware of environmental management practices to be used in forest harvest operations</li> </ul> |
| Numeracy   | <ul style="list-style-type: none"> <li>Perform routine calculations related to the collation and analysis of environmental management indicators for forest harvesting operations</li> </ul>  |

| <b>Unit Mapping Information</b>  |   |   |                           |
|--|---|---|---------------------------|
| <b>Code and title current version</b>  | <b>Code and title previous version</b>                                | <b>Comments</b>   | <b>Equivalence status</b> |
| FWPHAR4XXX<br>Implement environmental management practices in timber harvesting operations | FWPCOT5209<br>Manage tree harvesting to minimise environmental impact | New title<br><br>New Elements and Performance Criteria<br><br>New Performance and Knowledge Evidence<br><br>Revised Assessment Conditions | Not equivalent            |

| <b>Links</b> | Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a> |
|--------------|--|
|--------------|--|

|   |  |
|---|--|
| <b>TITLE</b>  | <b>Assessment requirements for FWPHAR4XXX Implement environmental management practices in timber harvesting operations</b> |
| <b>Performance Evidence</b>   |  |
| <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 managed a timber harvesting operation to minimise environmental impact and meet the environmental management requirements specified in the relevant harvest plan.</p> |  |

|   |  |
|---|--|
| <b>Knowledge Evidence</b>   |  |
| <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"> <li>• Commonwealth, state, territory or local government regulations and codes of practice relevant to environmental management in harvest operations</li> <li>• features of the environment that may require protection in harvesting operations: <ul style="list-style-type: none"> <li>• adjacent properties</li> <li>• physical structures</li> <li>• environmentally sensitive sites</li> <li>• waterways and riparian areas</li> <li>• indigenous and other culturally important sites</li> <li>• archaeological sites</li> <li>• soil</li> <li>• endangered plant and animal species</li> <li>• habitats</li> </ul> </li> <li>• environmental management strategies used in harvesting operations to minimise or avoid environmental damage associated with: <ul style="list-style-type: none"> <li>• fuel storage</li> <li>• machine servicing</li> <li>• tree felling, log extraction and machinery operation</li> <li>• logging debris and slash</li> <li>• spread of weeds and pests</li> <li>• water run off</li> <li>• road construction</li> <li>• disposal of waste material</li> <li>• cleaning plant, tools and equipment</li> </ul> </li> <li>• environmental management indicators: <ul style="list-style-type: none"> <li>• water quality and quantity</li> <li>• soil condition</li> <li>• native flora and fauna protection</li> <li>• maintenance of culturally significant landscapes, natural or anthropogenic formations and constructions</li> </ul> </li> <li>• strategies for monitoring compliance with environmental management indicators <ul style="list-style-type: none"> <li>• field checks</li> <li>• documentation</li> </ul> </li> <li>• harvest plans <ul style="list-style-type: none"> <li>• purpose of harvest plans</li> <li>• format, content and use of plans</li> <li>• method of identifying environmental protection requirements in harvest plans</li> </ul> </li> <li>• types, purpose and ways of determining buffer zones, protected areas and erosion control measure.</li> </ul> |  |

|   |  |
|---|--|
| <b>Assessment Conditions</b>  |  |
| <p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:</li> </ul> |  |

| Assessment Conditions  |   |
|--|---|
| <ul style="list-style-type: none"><li>• skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions</li><li>• resources, equipment and materials:<ul style="list-style-type: none"><li>• harvest plan</li><li>• access to a coupe for a harvesting operation</li></ul></li><li>• specifications:<ul style="list-style-type: none"><li>• workplace policy and procedures for meeting the environmental management requirements of harvest plans.</li></ul></li></ul> <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:<br><a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a> |