



## Continuous Improvement Plan FPI05 Forest and Forest Products Training Package

Orange	Direct work on Training Package
Green	Implementation work, resources, advice
Yellow	Administration tasks
Red	New items added

TRAINING PACKAGE: FPI05 Forest & Forest Products Training Package				
No	SCOPE OF WORK, INDUSTRY, SECTOR AND OCCUPATIONS/SKILLS INVOLVED	INDUSTRY IMPERATIVES FOR THE WORK	LIKELY QUALIFICATION LEVELS AFFECTED	TIMELINES FOR START OF WORK & SUBMISSION TO NQC
<b>March 2009 – February 2010</b>				
	<p>There have been many issues identified since Training Package was endorsed and no work has been undertaken to address these issues. Analysis and review will be undertaken in all sectors to ensure Training Package qualifications and units of competency meet industry and other stakeholder needs.</p> <p>It should be noted that in some cases an industry sector group may address issues beyond a specific project listed below as the industry may decide that it is more effective to address sector issues in a holistic manner.</p> <p>All units of competency as they are dealt with will be aligned to the latest unit of competency template.</p>			
<b>1</b>	<p><b>Skills Sets</b> Development of Skills Sets for following sectors within FPI05:</p> <p><b>1. Sawmilling and Processing</b> - skills and technical knowledge required for timber drying (softwood and hardwood) and heat plant and steam boilers</p>	<p><b>Industry feedback received from the Issues Register 2005 –</b></p>	<p>This will have no affect on qualification levels</p>	<p>March 2009 - 30 June 2009</p> <p>Funded under the 'Communication and promotion of Skill Sets project'.</p>

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	<b>2. Forest Growing &amp; Management</b> – skills and technical knowledge required for forest operation work e.g. crawler, skidder, loader etc and to meet licence requirements	<b>2009</b>		<a href="#"><u>Work has commenced</u></a>
<b>2</b>	<b>Chainsaw (applicable to 3 sectors)</b> Review units for compliance with Units of Competency template and to ensure industry needs are being met: <ul style="list-style-type: none"> <li>▪ FPICOT2204A Maintain chainsaws</li> <li>▪ FPICOT2206A Cross cut material with a hand-held chainsaw</li> <li>▪ FPICOT2221A Trim and cross cut felled tress</li> <li>▪ FPIFGM2208A Fall trees manually (basic)</li> <li>▪ FPIFGM3204A Fall trees manually (intermediate)</li> <li>▪ FPIFGM3208A Fall trees manually (advanced)</li> <li>▪ FPIHAR2201A Trim and cross-cut harvested trees</li> <li>▪ FPIHAR2202A Harvest trees manually (basic)</li> <li>▪ FPIHAR3202A Harvest trees manually (intermediate)</li> <li>▪ FPIHAR3212A Harvest trees manually (advanced)</li> </ul>	<b>Industry feedback received from the Issues Register 2005 – 2009</b>	This may have an impact on qualification levels.	March 2009– September 2009  <a href="#"><u>Work has commenced</u></a>
	Develop a Chainsaw Operator's Manual.			<a href="#"><u>Work has commenced</u></a>
<b>3</b>	<b>Sawmilling and Processing</b> Review the need for: <ul style="list-style-type: none"> <li>- higher level maintenance units at Certificate IV and Diploma levels</li> <li>- a Certificate 11 Group B unit to cover the principles of maintenance</li> <li>- <span style="color: red;">a new unit or an additional element in FPISAW3205A Dry hardwood and FPISAW3206A Dry softwood to cover stacking racks for drying in</span></li> </ul>	<b>Industry feedback received from the Issues Register 2005 – 2009</b>	This may have an affect on qualification levels in all sectors	March 2009 - February 2010

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	yards or sheds (issue added 25/02/2009)			
<b>4</b>	<p><b>Imported units</b></p> <ul style="list-style-type: none"> <li>a. Replace imported unit codes with parent Training Package latest version codes where units of competency are equivalent</li> <li>b. Update imported units list and the 18 qualification lists</li> <li>c. To enable national licensing requirements to be met add TLILIC108A Licence to operate a forklift to relevant qualifications</li> <li>d. To enable the delivery of TAA Skill Sets the following units of competency add to Certificate IV in Forest Operations and Certificate IV in Timber Processing:               <ul style="list-style-type: none"> <li>- TAAASS404B Participate in assessment validation</li> <li>- TAAENV401B Work effectively in vocational education and training</li> <li>- BSBCMM401A Make a presentation</li> </ul> </li> <li>e. Add to the Certificate III in Harvesting and Haulage:               <ul style="list-style-type: none"> <li>- HLTF302A Provide first aid in a remote situation</li> </ul> </li> <li>f. Replace the following first aid units with HLTF07 units:               <ul style="list-style-type: none"> <li>- HLTF301B Apply first aid replaces</li> <li>- FPICOR2206A Apply basic first aid</li> <li>- HLTF402B Apply advanced first aid replaces BSBCMN319A Apply advanced first aid</li> <li>- HLTF402A Manage first aid in the workplace replaces BSBCMN3202A Maintain first aid equipment and resources</li> <li>- HLTF403A Manage first aid in the workplace replaces BSBCMN415A Manage first aid policy</li> </ul> </li> </ul> <p>Develop mapping document of replaced and added units.</p>	<p><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	<p>This will have no affect on qualification levels</p>	<p>March 2009 - May 2009</p> <p style="text-align: center; color: red;"><u>Work has commenced</u></p>

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5	<p><b>Forest Growing &amp; Management – 4WD</b></p> <p>Review need to develop skill set and/or new units (or modification of existing units) to cover identified skills gaps</p> <ol style="list-style-type: none"> <li>a. Water crossing in a 4WD vehicle</li> <li>b. Higher level unit that can be packaged into Certificate II and III</li> </ol> <p><b>4x4 Drive unit review:</b></p> <ul style="list-style-type: none"> <li>▪ With reference to FPIFGM3208A Perform complex 4x4 operations - look at need for separate units for performing water crossing and winching</li> <li>▪ With reference to MNMEGS312A Drive and recover a four wheel drive vehicle – look at need to include wallaby jack and winching.</li> <li>▪ Look at need for an advanced Certificate III level unit that can be packaged into both Certificate II and III with no prerequisites – refer to TDTDC2501A Operate four wheel drive vehicle</li> <li>▪ Look at the need for a map reading unit.</li> <li>▪ Look at the need for a 4 wheel driving unit to be packaged at Certificate 11 and 111 levels (issues added 25/02/2009).</li> </ul> <p>Liaison to occur with Transport and Logistics Skill Council and Skills DMC National Industry Skills Council</p>	<p style="text-align: center;"><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	<p>This may have an impact on qualification levels</p>	<p style="text-align: center;">June 2009 –February 2010</p>
6	<p><b>Unit codes and titles</b></p> <p>Review unit titles and codes of existing units without altering the unit outcomes so as to reflect the sector, the job roles and the nature of the work.</p>	<p style="text-align: center;"><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	<p>This will have no affect on qualification levels.</p>	<p style="text-align: center;">Ongoing 2009 – 2011</p>
7	<p><b>Typographical errors and unit additions</b></p> <ol style="list-style-type: none"> <li>a. Correct typographical errors</li> <li>b. In the underpinning knowledge section for units FGM5202A, 5203A, 5204A, 5205A, 5206A, 5207A,</li> </ol>	<p style="text-align: center;"><b>Industry feedback received from the Issues Register 2005 –</b></p>	<p>This will have no affect on qualification levels</p>	<p style="text-align: center;">Ongoing 2009 - 2011</p>

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	5208A and 5209A add "understanding of hydrology and hydrological principles"; "understanding of botany including plant identification and classification skills"; "understanding of ecology and ecological interactions"	<b>2009</b>		
<b>8</b>	<p><b>Review unit content</b></p> <p>Examine whether there is a need for identified units in all sectors to be rewritten, modified or new units with reference to current industry needs and FPI99 unit content. This may require new units</p> <p>This may relate to:</p> <ul style="list-style-type: none"> <li>- units that cover multiple competencies</li> <li>- units being too broad resulting in people working in different situations becoming competent in the same unit but in reality hold very different skills and abilities. This situation applies to approximately 10 units.</li> </ul>	<b>Industry feedback received from the Issues Register 2005 – 2009</b>	This will have no affect on qualification levels	March 2009 – February 2010
<b>9</b>	<p><b>Frame and Truss</b></p> <ol style="list-style-type: none"> <li>a. Review pathways for the Frame and Truss sector</li> <li>b. Review the need for a Certificate III in Timber Estimation and a Certificate IV in Timber Detailing</li> <li>c. Review Units FPICOT3219A, COT3220A and COT4201A to ensure they adequately cover floors, trusses and frames and modify wording to say trusses and/or frames and/or floors throughout.</li> <li>d. Review size and scope of units COT3214A, COT3218A, COT3219A, COT3220A and COT3239A</li> </ol>	<b>Industry feedback received from the Issues Register 2005 – 2009</b>	This may affect qualification levels	April 2008 – February 2010  <u>Work has commenced</u>
<b>10.</b>	<b>Employability Skills</b>			

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	<ul style="list-style-type: none"> <li>a. Explore approach to employability skills</li> <li>b. Review all sector units to ensure employability skills are embedded in performance criteria</li> <li>c. Develop employability skills statements for all qualifications.</li> </ul>			April 2008 – February 2010  <u>Work has commenced</u>
	<b>Certificate 1 in Forest and Forest Products</b> Review suggested change to packaging rules to enable unit(s) of competency from AQF levels 1 or 2 from other nationally endorsed Training Packages to be selected.			April 2008 – February 2010  <u>Work has commenced</u>
<b>March 2010 – February 2012</b>				
<b>1</b>	<b>Forklift</b> Examine whether units below should be added to Group C in all qualifications and the appropriateness to the forest industry i.e. carrying 7 meters of timber: <ul style="list-style-type: none"> <li>▪ TDTD1097B Operate a forklift</li> <li>▪ TDTD1197B Conduct specialised forklift operations</li> </ul>	<b>Industry feedback received from the Issues Register 2005 – 2009</b>	This may have an impact on qualification levels.	<b>N.B. Some issues may be addressed as part of earlier work.</b>  March 2010 – February 2012
<b>2</b>	<b>AQF qualification level, requirements and sector placement of units across all sectors as identified</b> Review identified units across all sectors; <ul style="list-style-type: none"> <li>a. Add to or delete from non-core unit list</li> <li>b. Review AQF level and sector placement</li> <li>c. Review Certificate 1 - IV and Diploma imported units.</li> <li>- Review imported units that are not equivalent to previous version as a result of parent Training Package updates</li> <li>- Review the imported units list for relevance.</li> <li>d. Review size and effort requirements of</li> </ul>	<b>Industry feedback received from the Issues Register 2005 – 2009</b>	This may affect qualification levels	March 2010 – February 2012

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	<p>qualifications</p> <ul style="list-style-type: none"> <li>e. Review core units for applicability across sectors</li> <li>f. Review need for unit BSBCMN401A Make a Presentation to be added to the C menu list under the Training and Assessment field for both Certificate IV Forest Operations and Timber Processing</li> <li>g. Review need to add FPICOT3239A Create drawings using computer aided design systems to the B unit list of Certificate III in Sawdoctoring to reflect what is happening in the workplace</li> <li>h. Review qualification FPI30205 Certificate 111 in Harvesting and Haulage rules – currently a student can complete qualification and not have the core units FPICOR2203A Follow environmental care procedures and FPICOR2205A Follow OHS Policies and Procedures to enable them to apply for a Timber Harvesting Operator licence.</li> <li>i. Review need for units FPIHAR2201A and FPICOT2221A Trim and cross-cut felled trees to be pre-requisites to any falling units.</li> <li>j. Review suitability of RTC3704A Prepare and apply chemicals for use in the sawmilling sector - refer Element 1</li> </ul>			
<b>3</b>	<p><b>Pathways</b></p> <p>Review for all sectors the need for pathways between AQF levels, particularly Cert II to III, to show progression in learning.</p>	<p><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>		<p>March 2010 – February 2012</p>
<b>4</b>	<p><b>Certificate III in Sawdoctoring</b></p> <ul style="list-style-type: none"> <li>a. Investigate the need for an Advanced Trade Certificate for Saw Doctors</li> <li>b. Review the AQF level of the current Cert III in</li> </ul>	<p><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>		

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	<p>Sawdoctoring in light of articulation into an advanced AQF level</p> <p>c. Review qualification requirements</p> <p><b>Certificate III in Woodmachining</b></p> <p>d. Review qualification requirements</p>		This may affect qualification levels	March 2010 – February 2012
5	<p><b>Address skill gaps</b></p> <p>Review need for the development of new units (or modification of existing units) to cover identified gaps.</p> <p>a. Review imported units for basic maintenance of mobile equipment and basic repair of forestry mobile equipment ( Harvesting and Haulage)</p> <p>b. Review sector specific units for environmental standards (All sectors)</p> <p>c. Review units to address the differences that exist between hardwood and softwood species and the different technology and skills required (All sectors)</p> <p>d. International quality standards and forest management codes of practice (Forest Growing and Management)</p> <p>e. <b>Silviculture– review the need for stand health and harvesting techniques to be addressed in FPIFGM4202A Manage Stand Health; the need at Certificate IV levels to cover manage plantations and forest stands at an operational level. (Forest Growing and Management) with reference to NSW</b></p>	<p><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	This may affect qualification levels	March 2010 – February 2012

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	<p style="color: red;">Department of Environment and Climate Change silviculture and biodiversity protection units (issue added 03/02 2009); review need for management level units to cover key areas such as planning of roads. (Issue added to 25/09/2009).</p> <p>f. Review need for units applicable to the preparation of a forest operations plan and the supervision of its implementation in private native forests. Refer proposed course for Private Native Forest in NSW</p> <p>g. <b>Engineered products</b> - management, marketing, sales and knowledge of new industry standards and product care and certification skills.</p> <p>h. <b>Engineered products</b> Timber knowledge, properties, uses and applications within the industry and externally</p> <p>i. <b>Fire salvage operations</b> Review an identified gap that focuses on the management and planning of ecological burns.</p> <p style="color: red;">Refer Conservation and Land Management Training Package units and consider importing FPINCR033A Plan burning activities natural and cultural resource management and FPINCR034A Utilise burning for natural and cultural resource management.</p> <p style="color: red;">Refer to the four units developed under industry consultation in Victoria and with reference to the applicability of the PUA imported fire units in a forestry context and their pre-requisites. (Issue added to 25/02/2009)</p>			

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	<p><b>j. Harvesting team leader competencies</b></p> <p><b>Emerging industry demands</b> Review the need for the development of new units across all sectors to reflect advances in technology and emerging industry demands including:</p> <ul style="list-style-type: none"> <li><b>k.</b> Marketing of timber products made from lesser quality timber</li> <li><b>l.</b> New work techniques in response to the forest and forest products certification system</li> <li><b>m.</b> Environmental issues (climate change, water resources, biosecurity)</li> <li><b>n.</b> The potential use of forest waste as a source of biofuels and energy</li> <li><b>o.</b> Use of new types of timber treatment and preservation approaches</li> <li><b>p.</b> Sustainable forestry practices</li> </ul>			
<b>6</b>	<p><b>New technologies and trends</b> Review units and skill sets to reflect advances in technology and emerging demands including:</p> <ul style="list-style-type: none"> <li><b>a.</b> Refine and update methods of managing harvesting native forests</li> <li><b>b.</b> High speed, computerised wood processing and optimisation technology</li> <li><b>c.</b> Timber drying practices</li> <li><b>d.</b> Construct and install roof trusses and frames and linked to an accreditation scheme</li> <li><b>e.</b> Saw milling higher level maintenance (Certificate IV</li> </ul>	<p style="text-align: center;"><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	This may have an impact on qualification levels.	March 2010 – February 2012

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	and Diploma)			
7	<p><b>Review licensing and regulatory requirements</b></p> <p>Across all sectors:</p> <ul style="list-style-type: none"> <li>a. Conduct a review of state and territory licensing requirements</li> <li>b. Review and align all sector units with current licensing and regulatory requirements</li> <li>c. Review units of competency to ensure current licensing and regulatory requirements are included</li> <li>d. Provide advice to the industry on licensing requirement</li> </ul> <p>Forest Growing and Management sector:</p> <ul style="list-style-type: none"> <li>a. Research and review privately owned licence requirements as regulated by states and territories and their relationship to a Forest Operator's licence as related to all states and territories.</li> </ul> <p>Licensing/ regulatory/ certification requirements cover various forestry operations including OHS, environmental care, chainsaw operation, mobile equipment operation, harvesting operations, log truck driving, tree climbing and felling.</p>	<p style="text-align: center;"><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	<p>This may have an impact on qualification levels.</p>	<p style="text-align: center;">March 2010 – February 2012</p>
8	<p><b>Core units</b></p> <p>Review core units and identified units for appropriateness.</p>	<p style="text-align: center;"><b>Industry feedback received from the Issues Register 2005 – 2009</b></p>	<p>This may have an impact on qualification levels.</p>	<p style="text-align: center;">March 2010 – February 2012</p>



## Continuous Improvement Plan FPP01 Pulp & Paper Manufacturing Training Package

Orange	Direct work on Training Package
Green	Implementation work, resources, advice
Yellow	Administration tasks
Red	New items added

### TRAINING PACKAGE: FPP01 Pulp & Paper Manufacturing

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1.1	Analyse, review and update <u>specialisation and general</u> units of competency to ensure they meet industry and other stakeholder needs, in particular the integration of new technologies.  Correction of errors, clarification of wording and other changes as required and units of competency placed in the current template.	Training Package review endorsed by the National Pulp and Paper Steering Committee	Potential impact on all qualifications	Commence September 2008 for submission to the NQC July 2009  Work has commenced
1.2	Analyse, review and update <u>imported</u> units of competency to meet industry and other stakeholder needs	Training Package review endorsed by the National Pulp and Paper Steering Committee	Potential impact on all qualifications	Commence September 2008 for submission to the NQC in July 2009  Work has commenced

1.3	Analyse, review and update Training Package <u>qualifications</u> meet industry and other stakeholder needs	Training Package review endorsed by the National Pulp and Paper Steering Committee	Potential impact on all qualifications	Commence September 2008 for submission to the NQC in July 2009  Work has commenced
1.4	Examine need for a higher qualification to incorporate the technical needs of industry	Training Package review endorsed by the National Pulp and Paper Steering Committee	Potential impact on Diploma level qualification	Commence September 2008 for submission to the NQC in July 2009  Work has commenced
1.5	Incorporate current licensing and regulatory requirements into units of competency	Training Package review endorsed by the National Pulp and Paper Steering Committee	This will have no affect on qualification levels	Commence September 2008 for submission to the NQC in July 2009  Work has commenced
1.6	Embed employability skills into units of competency as defined by the Training Package Development and Endorsement Process 2008 and develop employability skill statements for each qualification.	Training Package review endorsed by the National Pulp and Paper Steering Committee	This will have no affect on qualification levels	Commence September 2008 for submission to the NQC in July 2009  Work has commenced