
WOOD MANUFACTURING
**Evaluate plant suitability for a wood
manufacturing operation**

level:	6
credit:	10
planned review date:	September 2005
sub-field:	Wood Processing Technology
purpose:	People credited with this unit standard are able to: define plant requirements for a specified wood manufacturing operation, and identify potential suppliers; design and apply an evaluation system to determine preferred supplier of plant for a wood manufacturing operation; report plant and supplier evaluation outcomes and make recommendations for plant purchase and implementation in a wood manufacturing operation.
entry information:	Recommended: Unit 20264, <i>Calculate costs in wood manufacturing operations</i> , or demonstrate equivalent knowledge and skills.
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A centrally established and directed national moderation system has been set up by Forest Industries Training.
special notes:	<ol style="list-style-type: none">1 Definitions <i>Specification</i> refers to the documents that describe the properties and performance of technologies. <i>Requirements</i> refers to the document prepared by the learner to define their equipment needs. <i>Evaluation system</i> refers to a means by which critical factors are applied to technology specifications for best option determination.2 Evidence for this unit standard may come from the requirement to upgrade or replace existing plant, or the investment in new plant for a planned wood manufacturing operation.

WOOD MANUFACTURING
Evaluate plant suitability for a wood
manufacturing operation

Elements and Performance Criteria

element 1

Define plant requirements for a specified wood manufacturing operation, and identify potential suppliers.

performance criteria

- 1.1 Definition establishes wood manufacturing operation customer requirement based on market research.
- Range: product mix, product volume, product quality.
- 1.2 Definition identifies the criteria to be considered in the wood manufacturing plant evaluation.
- Range: criteria may include but are not limited to - capacity, quality, reliability, soft ware and hardware support, specialist skills, integration with up and down stream technologies, start-up cost, set up times, post implementation support, training requirements and assistance.
- 1.3 Definition develops supplier specification to meet wood product manufacturing and customer requirements.
- 1.4 Potential suppliers of specified wood manufacturing plant are identified and invited to submit a proposal.

element 2

Design and apply an evaluation system to determine preferred supplier of plant for a wood manufacturing operation.

performance criteria

- 2.1 Critical factors are determined and weightings assigned based on the importance of the purchase decision to the wood manufacturing operation.

WOOD MANUFACTURING
Evaluate plant suitability for a wood
manufacturing operation

- 2.2 Proposals from identified wood manufacturing plant suppliers are prepared for evaluation.
- Range: prepared for evaluation includes - conversion of data into standard units of measure, weighting of critical factors, application of sum of weighting factors.
- 2.3 Evaluation identifies a short list of preferred wood manufacturing plant suppliers that meet the evaluation requirements in performance criterion 1.2, for further consideration.
- 2.4 Preferred proposal is identified through verification of evaluation system criteria with the short listed wood manufacturing plant suppliers.

element 3

Report plant and supplier evaluation outcomes and make recommendations for plant purchase and implementation in a wood manufacturing operation.

performance criteria

- 3.1 Report describes the evaluation process, its application and the outcomes based on the proposals received for the wood manufacturing plant.
- 3.2 Report makes recommendation for wood manufacturing plant purchase based on the analysis and application of the evaluation process.
- 3.3 Report contains implementation action plan and schedule to install purchased wood manufacturing plant.

Comments on this unit standard

Please contact Competenz at info@competenz.org.nz if you wish to suggest changes to the content of this unit standard.

Please Note

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

WOOD MANUFACTURING
Evaluate plant suitability for a wood
manufacturing operation

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0173 which can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.