

<b>Title</b>	<b>Inspect logs and sawn timber batches for insect damage and fungal contamination</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is intended for people working in areas that prepare logs or sawn timber for despatch for export or to local markets.</p> <p>People credited with this unit standard are able to: describe inspection requirements for logs and sawn timber; identify and describe insects that attack logs and sawn timber; explain fungal attacks and consequences on wood; identify wood fungi and explain their effects on logs and sawn timber; prepare to inspect logs and sawn timber for compliance; inspect logs and sawn timber batches for compliance with despatch requirements; and ensure compliance with despatch requirements.</p>
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<b>Classification</b>	Wood Handling and Distribution > Timber Yarding
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Reference

AsureQuality Ltd; *Common Insects & Fungi that affect Logs & Sawn Timber in New Zealand* (2007), available from AsureQuality at <https://www.asurequality.com/our-industries/forestry-and-timber/common-insects-and-fungi-in-forestry-booklet/>.

### 2 Definitions

*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood handling and distribution industry as examples of best practice.

*ICPR* refers to Importing Country Phytosanitary Requirements.

*MPI* refers to the Ministry of Primary Industries.

*Workplace procedures* refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the wood handling and distribution sector.

### 3 Assessment information

All activities and evidence must meet workplace procedures and accepted industry practice.

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## Outcomes and performance criteria

Describe inspection requirements for logs and sawn timber.

### Performance criteria

- 1.1 Sources of inspection requirements for export of forest products are described.
- 1.2 Three key pieces of information found in quality assurance agreements made between an organisation and the verification authority are described.

## Outcome 2

Identify and describe insects that attack logs and sawn timber.

### Performance criteria

- 2.1 Bark boring insects are identified and described.
  - Range Burnt Pine Longhorn, Hylastes, Hylurgus.
- 2.2 Wood boring insects are identified and described.
  - Range may include but is not limited to – Huhu, Pachycotes, Sirex, Pinhole Borer, New Zealand Drywood Termite, New Zealand Wetwood Termite, Longnosed Kauri Weevil, Pit Weevil; evidence of three insects are required.
- 2.3 Indications of wood damage are described.

## Outcome 3

Explain fungal attacks and consequences on wood.

### Performance criteria

- 3.1 Conditions required for the successful establishment of fungi on wood are explained.
  - Range moisture content, temperature, oxygen, food source.
- 3.2 Effects of fungal attack on wood are explained.

## Outcome 4

Identify wood fungi and explain their effects on logs and sawn timber.

Range not limited to mould fungi, decay fungi, sapstain fungi.

**Performance criteria**

- 4.1 Common fungi which attack logs and sawn timber are identified and described.
- 4.2 The effect of fungi attack on the structure of wood is explained.
- 4.3 The major differences between attack by moulds, stains, and decay fungi are explained.
- 4.4 The effects of sapstain on the end use of logs and sawn timber are explained.

**Outcome 5**

Prepare to inspect logs and sawn timber for compliance.

**Performance criteria**

- 5.1 The inspection standards to be applied to logs or sawn timber batches are identified and accessed.
- 5.2 Special inspection parameters are identified in accordance with the requirements of the exporter and the Forests Act 1949.
- 5.3 Inspection area is set up and equipment required for the inspection process is prepared.

**Outcome 6**

Inspect logs and sawn timber batches for compliance with despatch requirements.

Range evidence of a minimum of four batches.

**Performance criteria**

- 6.1 Batch of logs and sawn timber are inspected at designated inspection area.  
  
Range inspection standards stipulated by ICPR are complied with, procedures for inspection must meet safety requirements of legislation and the exporting organisation
- 6.2 The significance of insect damage or fungal infection is established by the application of risk assessment procedures.  
  
Range nature and type of insects or fungi, degree of attack, distribution.

**Outcome 7**

Ensure compliance with despatch requirements.

**Performance criteria**

- 7.1 Designated personnel are advised of phytosanitary status of batch.
- 7.2 Post inspection phytosanitary status of batch is maintained.
- 7.3 Non-conforming batch is actioned.

<b>Planned review date</b>	31 December 2024
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 1996	31 December 2015
Revision	2	5 January 1999	31 December 2015
Review	3	15 December 2000	31 December 2015
Review	4	22 August 2008	31 December 2015
Review	5	20 March 2014	31 December 2018
Review	6	28 September 2017	N/A
Review	7	28 May 2020	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact Competenz [qualifications@competenz.org.nz](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this assessment standard.