

Title	Manage planer operations, and tooling and profile systems		
Level	5	Credits	35

Purpose	People credited with this unit standard are able to: control hazards associated with managing tooling and profile systems; verify customer requirements for tooling and profiles; manage preparation of profile and tooling; troubleshoot tooling and profile design, manage planer operations, and manage storage systems for profile and tooling.
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Classification	Solid Wood Manufacturing > Timber Machining
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Available grade	Achieved
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Prerequisites	Unit 676, <i>Set up timber planer for profile</i> ; Unit 23105, <i>Develop profile, and grind and hone profile cutters in-head</i> ; and Unit 688, <i>Make profile cutter templates</i> ; or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 The following apply to the performance of all outcomes of this unit standard:
 - a All work practices must meet recognised codes of practice and documented worksite health and safety and environmental requirements (where these exceed the code) for personal, product and worksite health and safety, and must meet the obligations required under current legislation, including the Health and Safety in Employment Act 1992, the Resource Management Act 1991, and their subsequent amendments.
 - b All work practices must meet documented worksite operating procedures. This includes the recording (by electronic or non-electronic means) of activities, events, and decisions.
 - c All evidence of communications gathered in relation to this unit standard must be in accordance with worksite procedures for content, recipient, timing and method.
- 2 **Definition**
Worksite policies and procedures refer to documented policies and to documented or other directions provided to staff. These include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor’s instructions.

Outcomes and performance criteria

Outcome 1

Control hazards associated with managing tooling and profile systems.

Performance criteria

1.1 Hazards associated with managing tooling and profile systems are identified and actions to be taken to isolate, minimise or eliminate the hazard are described in accordance with worksite policies and procedures.

Range may include but is not limited to – handling knives and cutterheads, live equipment, slippery floors, noise.

1.2 Safe work practices associated with managing tooling and profile systems are identified and used in accordance with worksite policies and procedures and legislative requirements.

Range practices may include but are not limited to – isolation procedures, lock-outs, emergency stops, machine guarding, wearing of appropriate safety equipment.

Outcome 2

Verify customer requirements for tooling and profiles.

Performance criteria

2.1 Customer requirements are confirmed as being within the capability of the company to provide.

Range from existing resources, from outsourcing.

2.2 Profile is drawn according to worksite policies and procedures for repeatability, and dimensions are verified as meeting customer requirements.

2.3 Customer requirements for individual profiles are documented and catalogued in accordance with worksite policies and procedures.

Outcome 3

Manage preparation of profile and tooling.

Performance criteria

3.1 Profile orientation is matched with worksite requirements for efficient use of resources.

- 3.2 Template and tooling design meets worksite technical and production requirements.
- Range technical requirements – excess width, radial depth, multiple usability;
 production requirements – template material, template thickness, template hardness, use of materials, use of plant, use of time.
- 3.3 Templates meet customer requirements for dimension, shape, angles, and radii.
- 3.4 Tooling materials are purchased, selected, and manufactured to meet customer requirements.
- 3.5 Templates, cutters, jointing stones, and profile dimensions are assembled as related sets in accordance with worksite policies and procedures.
- 3.6 Profile dimensions and required tooling are assembled to suit worksite production schedule.
- 3.7 Quality management and safety requirements are carried out in accordance with worksite policies and procedures and legislative requirements.

Outcome 4

Troubleshoot tooling and profile design.

Performance criteria

- 4.1 Tool making and profile design processes are monitored for compliance with customer specifications.
- 4.2 Non compliance with customer specifications is investigated using a root cause analysis tool, and corrective actions are communicated and implemented in accordance with worksite policies and procedures.
- 4.3 Finished product is analysed for compliance with customer specifications.
- 4.4 Variation from customer specifications is investigated using a root cause analysis tool, and corrective actions are communicated and implemented in accordance with worksite policies and procedures.

Outcome 5

Manage planer operations.

Performance criteria

- 5.1 Machine centre scheduling and staff allocation is managed for maximum productivity in accordance with worksite policies and procedures.
- 5.2 Staff capability is matched to machine centre and production requirements in accordance with worksite policies and procedures.

5.3 Quality and production issues are investigated and data is gathered and analysed to identify faults within the processes.

Range evidence of one quality and one production issue is required.

5.4 Potential corrective actions are communicated with stakeholders and the agreed solution is implemented in accordance with worksite policies and procedures.

5.5 Outcomes are measured and communicated in accordance with worksite policies and procedures.

Outcome 6

Manage storage systems for profile and tooling.

Performance criteria

6.1 Inventory and documentation systems are managed in accordance with worksite policies and procedures.

6.2 Tooling levels are in accordance with worksite policies and procedures for cost effectiveness and production efficiency.

6.3 Tooling, jointing stones, templates, and profile samples are stored in accordance with worksite policies and procedures for efficiency.

Range efficiency includes but is not limited to – damage prevention, readiness for use, safety, systematic identification and location.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	10 February 1999	31 December 2012
Review	2	18 December 2006	31 December 2013
Review	3	21 June 2012	31 December 2022
Review	4	25 June 2020	31 December 2022

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