

Title	Produce marine components by performing engineering turning operations		
Level	4	Credits	12

Purpose	People credited with this unit standard are able to prepare for, and perform turning operations to produce marine components.
----------------	---

Classification	Boating Industries > Boatbuilding
-----------------------	-----------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

- All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015, and any subsequent amendments.
- Guidelines for Guarding Principles and General Safety for Machinery, available at <http://www.eat.worksafe.govt.nz>
- Definitions
Job specifications refers to the standard requirements of the job being undertaken.
Product specifications refers to a detailed description of the design of a product or object being made.
Turning operations refers to boring, drilling, facing, knurling, parting, tapping, threading, or parallel turning.
Workplace policies and procedures refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety requirements to eliminate hazard/risk in the workplace.
- Range
 Evidence of three turning operations is required.

Outcomes and performance criteria

Outcome 1

Prepare for turning operations.

Performance criteria

- 1.1 Resources and equipment are prepared in accordance with job specifications, and workplace policies and procedures.

Range drawings, instructions, specifications, marking out, holding fixtures, tools, cutting speeds and feeds.

Outcome 2

Perform turning operations to produce marine components.

Performance criteria

- 2.1 Machine coolant type and flow are adjusted as required by machine and job specifications.
- 2.2 Components are turned and finished to product specifications, without damage to machine and tools.
- 2.3 Finished components are checked and remedial action is taken if required to ensure product specifications are met.

Planned review date	31 December 2022
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2017	N/A

Consent and Moderation Requirements (CMR) reference	0136
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.