

Title	Explain marine engine management systems		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to explain marine engine management systems.
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Classification	Motor Industry > Trailer Boat Systems
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Available grade	Achieved
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Guidance Information

Definition

Service information refers to technical information of boat or product detailing: operation, installation and servicing procedures; manufacturer's instructions and specifications; technical terms and descriptions; or illustration.

Outcomes and performance criteria

Outcome 1

Explain marine engine management systems in accordance with service information.

Performance criteria

- 1.1 Functions of marine engine management systems are explained.
- Range evidence of at least four functions is required.
- 1.2 Components of marine engine management system are explained in terms of functions.
- Range systems include – electronic fuel injection and delivery, air induction, engine ignition, electronic control.
- 1.3 Sensors controlled by the Electronic Control Unit are explained in terms of purpose.
- Range sensors include – air flow, air temperature, throttle position, temperature, oxygen, MAP, knock, engine speed, engine oil, crankshaft, camshaft.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 July 2018	N/A

Consent and Moderation Requirements (CMR) reference	0136
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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 the NZ Marine and Composites Industry Training Organisation
training@nzmarine.com if you wish to suggest changes to the content of this unit standard.