



Australian Government

Department of Education, Employment and Workplace Relations

TDMMF3907B MAINTAIN RUNNING LOG WITHIN THE LIMITS OF RESPONSIBILITY OF A MARINE ENGINE DRIVER GRADE 3

Release: 1

TDMMF3907B MAINTAIN RUNNING LOG WITHIN THE LIMITS OF RESPONSIBILITY OF A MARINE ENGINE DRIVER GRADE 3

Modification History

Not applicable.

Unit Descriptor

UNIT DESCRIPTOR:

This unit involves the skills and knowledge required within the limits of responsibility of a Marine Engine Driver Grade 3 to maintain a running log when operating a small vessel, including working out simple operational and maintenance calculations, completing required running and maintenance logs, and writing related simple reports on operational and maintenance issues.

Application of the Unit

Application of the unit	The unit has applications in the qualification for a Marine Engine Driver Grade 3 (MED 3) as per relevant sections of Part D of the National Standard for Commercial Vessels (NSCV), i.e. Certificate II in Transport&Distribution (Marine Engine Driving - Grade 3).
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Licensing/Regulatory Information

Licensing/legislative requirements	The unit is consistent with the relevant sections of State and Territory maritime regulations and NSCV/USL Code for a MED 3.
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Pre-Requisites

Not applicable.

Employability Skills Information

Not applicable.

Elements and Performance Criteria Pre-Content

<i>Elements describe the essential outcomes of a unit of competency.</i>	<i>Performance Criteria describe the required performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the Evidence Guide.</i>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Maintain a running log	- a Obtain information on aspects of vessel performance as required - b Carry out basic calculations for small vessel operations in accordance with established practice and propulsion and equipment manufacturer's instructions - c Enter required information into running and maintenance logs in accordance with procedures
2 Write simple reports on vessel operations	- a Information on an operational, safety or maintenance issue or incident is identified and recorded - b Report is accurately written in the required format in accordance with company and regulatory requirements - c Report is checked for accuracy, grammar and compliance with format and information requirements and edited accordingly - d Report is forwarded to relevant personnel and a copy filed in accordance with procedures

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Required Skills and Knowledge

REQUIRED KNOWLEDGE

This describes the knowledge required for this unit.

- 1 Requirements for keeping running and servicing logs and completing simple forms and reports
- 2 Methods for working out the basic calculations required when operating a small vessel
- 3 Communication techniques required when keeping running and servicing logs and writing simple reports on operational and servicing issues on board a small vessel

REQUIRED SKILLS

This describes the basic skills required for this unit.

- 1 Read, interpret and apply simple instructions on the keeping of running and servicing logs and completing simple reports
- 2 Read and interpret machinery performance readings and indications
- 3 Carry out the basic calculations required when operating a small vessel
- 4 Complete any required simple forms and reports
- 5 Work collaboratively with others when keeping running and servicing logs and completing simple reports
- 6 Follow required work schedule as per company requirements

Evidence Guide

Evidence Guide

TDMMF3907B MAINTAIN RUNNING LOG WITHIN THE LIMITS OF RESPONSIBILITY OF A MARINE ENGINE DRIVER GRADE 3

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

1 Critical aspects of evidence required to demonstrate competency in this unit	Assessment must confirm appropriate knowledge and skills to: - a Work out simple operational and maintenance calculations - b Maintain required running and maintenance logs on a small vessel - c Write simple reports on operational and maintenance issues - d Communicate effectively with others when completing required logs and running sheets
2 Evidence required for demonstration of consistent performance	- a Performance is demonstrated consistently over a period of time and in a suitable range of contexts - b Consistently applies underpinning knowledge and skills when: 1 working out simple operational and maintenance calculations 2 maintaining required running and maintenance logs on a small vessel 3 writing simple reports on operational and maintenance issues and incidents - c Shows evidence of application of relevant workplace procedures, including: 1 relevant sections of State and Territory marine regulations 2 job procedures and work instructions - d Action is taken promptly to report issues and problems identified with operation and maintenance of a small vessel in accordance with established procedures

	- e Work is completed systematically with required attention to detail - f Recognises and adapts appropriately to cultural differences in the workplace, including modes of behaviour and interactions between crew and others
3 Context of assessment	- a Assessment of competency must comply with the assessment requirements of the relevant maritime regulations - b Assessment of this unit must be undertaken within relevant marine authority approved and audited arrangements by a registered training organisation:

Evidence Guide (continued)

TDMMF3907B MAINTAIN RUNNING LOG WITHIN THE LIMITS OF RESPONSIBILITY OF A MARINE ENGINE DRIVER GRADE 3

3 Context of assessment (continued)	1 As a minimum, assessment of knowledge must be conducted through appropriate written/oral examinations, and 2 Appropriate practical assessment must occur: - i at the registered training organisation; and/or - ii on an appropriate working or training vessel
4 Specific resources required for assessment	Access is required to opportunities to: - a participate in a range of exercises and assessments that demonstrate the skills and knowledge to work out simple operational calculations, maintain running and servicing logs on a small vessel, and write simple reports; and/or - b work out simple operational calculations, maintain required running and servicing logs, and write simple reports on operational and servicing issues while in charge of a small commercial or training vessel

Range Statement

Range Statement

**TDMMF3907B MAINTAIN RUNNING LOG WITHIN THE
LIMITS OF RESPONSIBILITY OF A MARINE ENGINE
DRIVER GRADE 3**

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

VARIABLE

SCOPE

1. GENERAL CONTEXT

a. Work must be carried out:	1 in compliance with the relevant sections of the State and Territory marine regulations and the National Standard for Commercial Vessels
b. Work is performed:	1 within established procedures, with responsibility for own outputs in relation to specified quality and safety standards
d. Work requires:	1 limited responsibility for others in achieving outcomes, including the application of solutions to a variety of predictable maintenance problems

2. WORKSITE ENVIRONMENT

a Vessel may include:	1 any small commercial vessel less than 24 m in length.
b Completion of calculations and the	1 by day or night in both normal and emergency situations 2 under any permissible conditions of weather

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance.

running and maintenance logs of a vessel may be required:	3 while underway
	4 while anchored or moored
	5 during maintenance operations
	6 when vessel is slipped
c Calculations may include:	1 fuel capacity
	2 fuel consumption during a voyage
	3 fresh water capacity
	4 voyage duration
d Simple reports may relate to:	1 a safety incident

Range Statement (continued)

TDMMF3907B MAINTAIN RUNNING LOG WITHIN THE LIMITS OF RESPONSIBILITY OF A MARINE ENGINE DRIVER GRADE 3

VARIABLE	SCOPE
d Simple reports may relate to: (continued)	2 a pollution incident
	3 an accident or collision
	4 an operational issue
	5 a maintenance issue or requirements
	6 passenger requirements or concerns
	7 fishing operations
	8 cargo details or issues

VARIABLE	SCOPE
e Sources of information and documentation may include:	1 relevant sections of the State and Territory marine regulations and the National Standard for Commercial Vessels dealing with the operation of small vessels 2 equipment manufacturer's instructions, specifications and procedures 3 running and maintenance logs 4 safety management system 5 company reporting procedures 6 vessel servicing records
f Applicable regulations and legislation may include:	1 State and Territory marine regulations related to the operation of small vessels 2 National Standard for Commercial Vessels 3 relevant international, Commonwealth, State and Territory OH&S and pollution control legislation

Unit Sector(s)

Not applicable.

Field

Field MF Operational Quality and Safety

Relationship to other units

Relationship to other units	The unit may be assessed in conjunction with other units that relate to the functions of the occupation(s) concerned.
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