

AMSA Mandated Practical Assessment Marine Engine Driver Grade 3 NC

Australian Maritime Safety Authority

MAR20418 Cert	ificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal)
Candidate name:	
RTO name:	
RTO number:	
Vessel name(s):	
The candidate has	ssment result summary s completed all components of the relevant Maritime Training Package, including this practical as been deemed competent:
Assessor name	and number:
Assessor signatu	ure: Date: / /
Assessor commer	ts:

Candidate instructions:

- 1. Observe all legislative and workplace health and safety (WHS) / occupational health and safety (OHS) requirements and comply with vessel safety management system.
- Observe all procedures as set out in the vessel's operating documents.
- 3. Complete the practical tasks below using vessel documentation as required.
- 4. While completing the practical tasks, answer all questions, as directed by the assessor.

Assessor requirements:

Assessors of the AMPA must be approved by AMSA in accordance with the Administrative arrangements for the approval of registered training organisations as final assessors (AMSA 132).

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Vessel/assessment requirements:

The practical assessment must be carried out on board a commercial vessel with inboard diesel propulsion power of >75kW that is appropriate to the certificate of competency being assessed and which is fitted and equipped to a standard sufficient to allow the candidate to complete the practical assessment tasks.

Alternatively, the practical assessment may be carried out using an appropriate diesel engine (≥75 kW), propulsion plant, auxiliary systems and deck machinery ashore.

For the following units of competency the practical assessment must be carried out on board a commercial vessel with inboard diesel propulsion power of ≥150 kW that is appropriate to the certificate of competency being assessed and which is fitted and equipped to a standard sufficient to allow the candidate to complete the practical assessment tasks:

MARC032 Complete engine room tasks
MARC034 Maintain hull out of water
MARC035 Operate and maintain extra low and low voltage electrical systems and equipment
MARC036 Operate deck machinery

MARC039 Operate marine internal combustion engines, and propulsion and auxiliary systems

Alternatively, the practical assessment for these units of competency may be carried out using an appropriate diesel engine (≥150 kW), propulsion plant, auxiliary systems and deck machinery ashore.

Assessor instructions:

Ensure the candidate's name, RTO details and vessel name(s) are recorded on the cover page of this AMPA prior to commencing the practical assessment.

Each practical assessment task has a code adjacent to it that specifies the conditions under which the performance and assessment of each task must be carried out. The table below contains an explanation of the meaning of each of these codes.

01 1110	30 00003.
ı	Task is to be completed by each candidate individually
G	Task may be completed as a group activity with individual assessment. The group must contain no more than 5 candidates.
V	Task must be completed on a vessel that meets the requirements above while operating in navigable waters
W	Task may be completed either in a workshop or on a vessel that meets the requirements specified above
Р	Task must be completed in water (pool, or other safe water)
F	Task must be completed on a fire ground
s	Task may be completed on an approved simulator where realistic conditions are not feasible aboard a vessel (such as an absence of traffic or navigation marks)
0	Task may be completed by observation

Where no code is specified for a task this is at the discretion of the assessor.

The AMPA may be conducted throughout the training or after all training has been completed.

As each task is completed successfully the assessor must sign and date the AMPA in the appropriate column. Where a number of tasks are assessed by a single assessor on the same day these tasks may be bracketed together and signed of as a group.

Additional simulated exercises and oral questions may be used to provide further opportunity to clarify a point or for a candidate to demonstrate competence.

Once all tasks for a unit of competency have been completed successfully the assessor should complete the section below the tasks for that unit.

Once the practical tasks for all units of competency have been signed off the assessor who signs off the final unit should complete the Candidate assessment result summary on the cover page of this AMPA.

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
BSBWOR203 Work	ceffectively with others			
identify own respon- requirements	sibilities in relation to the team and the organisation's	1		
work effectively in a	group	G		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes			>	
MARB028 Service	marine internal combustion engines, and propul	sion		
	iliary systems			
 apply work health a requirements and w 	nd safety (WHS) / occupational health and safety (OHS)	I		
carry out servicing t checking propeller checking shaft alig cleaning strainers lubricating topping up oils and	asks, including: for damage nment	GW		
carry out servicing t anodes drive belt filters gland packing pumps topping up oils and	asks, including replacing: I fluids	GW		
implement safe and	environmentally responsible work practices	IW		
	e environmental and waste management procedures correct	-		
read and interpret material safety data	nanufacturer specifications and safety data sheets (SDS) sheets (MSDS)	/ 		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC033 Comple	te engine room tasks			
	nd safety (WHS) / occupational health and safety (OHS) hazard identification, risk assessment and risk control options	I		
carry out housekee correct disposal of pumping of bilges removal or lashing	f waste	ЭV		
complete all work to	specifications C	3V		
keep running and m	naintenance logs	ı		
sequence tasks		I		
Assessor name and number:				
Assessor signature:	Dat	e:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC034 Maintair	hull out of water			
	nd safety (WHS) / occupational health and safety (OHS) hazard identification, risk assessment and risk control option	l ons		
carry out maintenar examining anchors inspecting: anodes hull fittings propeller, shafts rudder, rudder si watertight and w	and seals	IW		
plan and prepare fo	r maintenance			
read, interpret and or requirements	comply with manufacturer instructions including all WHS/O	HS I		
read, interpret and of maintenance of ves	comply with operating and service manuals for sel hull	I		
read, interpret and data sheets (MSDS)	comply with safety data sheets (SDS) / material safety	I		
recognise faulty equipment organisational process.	uipment and take appropriate action according to edures	GW		
recognise hull dama according to organis	age and deterioration and take appropriate action sational procedures	0		
select and use corre	ect tools and equipment for maintenance task	I		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
	and maintain extra low and low voltage electrica	ıl		
	s and equipment			
 apply safety require personal protective 	ments throughout the work sequence including the use of equipment (PPE)	IW		
- topping up battery	age and specific gravity	IW		
complete all work to	specification	IW		
communicate with computer with communicate with comm	other crew members	G		
connect and discon	nect shore power	IW		
ensure correct required systems and equipments	irements and details of basic maintenance of electrical nent are available	ı		
implement safe and maintenance activit	environmentally responsible work practices in testing and ies	l IW		
equipment	l apply manufacturer specifications for electrical systems a	I		
	nt (DC) systems and conduct operator preventive mainter acturer recommendations, regulations and vessel operating re safe operation			
1 -	nd low voltage electrical systems according to manufactur regulations and vessel operating procedures to ensure sat			
performing isolation	, lock out and tag out procedures	IW		
		to GW		
select and use appr	opriate processes, tools and equipment	IW		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC036 Operate	deck machinery			
apply work health ar requirements and wo	nd safety (WHS) / occupational health and safety (OHS) ork practices	I		
communicate with of	ther crew members	G		
safely use deck made basic hydraulic sys capstans electric or hydraulic lifting equipment		IW		
		IW		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
·	marine internal combustion engines, and propuls iliary system	sion		
	mperatures and revolutions during start-up and cording to technical specifications	IW		
	operating procedures and manufacturer recommendations ing available fuel, lubricants, cooling water and air	IW		
comply with work he requirements and w	ealth and safety (WHS) / occupational health and safety (Oork practices	HS) I		
implement safe and	environmentally responsible work practices	IW		
	es safely according to regulations, manufacturer instruction res, so as to prevent pollution of the marine environment	s IW		
	systems according to established procedures and so as to the marine environment	IW		
operate main propuls	sion plant auxiliary systems to ensure safe operating condition	is IW		
operate marine inter	nal combustion engines within technical specifications	IW		
	stems according to manufacturer instructions, operational ulations to ensure safety of operation and prevention of ne environment	IW		
	n system according to manufacturer instructions, operational ulations to ensure safety of operation and prevention of the environment	al IW		
	and supervise cooling down of engine according to vessel as and manufacturer recommendations	IW		
 coolant levels pressures and tem filters fuel level batteries and turnii oil level starting system sufficient power av 	ng on isolator ailable on switchboard before closing isolator or breaker s and faults on engines, equipment, lines and connections uards and shafts s required	IV		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARF027 Apply ba	asic survival skills in the event of vessel abandonn	nent		
	interpret information on the use of lifesaving equipment an lowed when order to abandon vessel is given	d I		
	vely with other personnel and passengers during simulated sters and emergencies	IV		
determine type and e	extent of emergency and appropriate survival action to be taken	n IV		
 remain afloat without 	t a lifejacket for at least 5 minutes	IP		
 don a lifejacket in w 	ater	IP		
 ensure behaviour ref 	lects statutory requirements pertaining to lifesaving appliances	IP		
swim in a lifejacket f	or a minimum of 50 m	IP		
 tow with a life jacket 	for a minimum of 25 m	ΙP		
 maintain a group hu 	ddle for at least 10 minutes	GP		
swim in a group con	ga line for a minimum of 50 m	GP		
hold heat escape les	ssening posture for at least 10 minutes	IP		
 operate radio equipo high frequency (HF) 	ment, including very high frequency (VHF) or radios	IW		
operate and use ora	nge smoke flares or red handheld flares	G		
 operate and use life 	buoys	IP		
operate and use life	jacket or personal flotation devices	IP		
 read and interpret in systems and plans 	structions on emergency procedures, safety management	ı		
 recognise and interpretable 	oret muster signals appropriately	IV		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARF028 Follow p	rocedure to minimise and fight fires on board a	vessel		
	media to a fire, including:	GF		
- water	Lacundon			
- dry chemica	nd safety (WHS) / occupational health and safety (OHS)			
requirements and w		ı		
	ork collaboratively as a member of a team in a firefighting	-		
operation correctly use vessel	closure and shutdown systems	GF IV		
identify fire hazards	·	G		
use a fire blanket to		GF		
	jet spray to fog stream)	I		
Assessor name and number:				
and number.		Г		
Assessor signature:		Date:	1	1
Notes				
MARF029 Meet wo	rk health and safety requirements			
 access workplace in 	formation on safety management systems	I		
apply safe manual h	andling techniques	I		
cooperate with emp WHS/OHS legislation	oyer or supervisor on any action taken to comply with n	1		
demonstrate safe w	ork practices	I		
identify and respond	I to typical emergency situations	IV		
	nts for equipment and follow workplace procedures for fequipment as required	IW		
	ing standards in work area	IW		
select, fit and use approximately	ppropriate personal protective clothing and equipment	IW		
take reasonable car	e for own health and safety	IW		
Assessor name and number:				
and number.		Г		
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARF030 Survival	at sea using survival craft			
apply appropriate ha	ndling strategies to manoeuvre survival craft	IP		
board a life raft unas	sisted while wearing a lifejacket	IP		
communicate with ot	her crew members	G		
determine type and a	extent of emergency	G		
	eight into the water while wearing a life jacket, ablished survival practice	IP		
operate radio equipn	nent	IW		
participate in training	, musters and emergency drills	IV		
recognise and interp	ret muster signals	IV		
right an inverted life established survival	raft unassisted while wearing a lifejacket according to practice	IP		
swim while wearing a survival practice	a lifejacket and float without a lifejacket according to es	tablished IP		
use a rescue quoit to	assist a person to the life raft	GP		
use paddles to mand	peuvre survival craft	GP		
use survival equipme	ent	GP		
and number: Assessor signature:		Date:	1	1
 apply safety and haz apply work health an practices, including here recognise procedure 	nvironmental work practices and control procedures when disposing of waste and gain dispersion of the safety (OHS) occupational health and safety (OHS) hazard identification, risk assessment and risk control of and follow instructions for environmental work practices.	ptions I		
report environmental	hazards and risks in a timely way			
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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