

AMSA Mandated Practical Assessment Marine Engine Driver Grade 2 NC

Australian Maritime Safety Authority

MAR30818 Certifi	icate III in Mar	itime Operations (Ma	arine Engine Driv	er Grade 2 Nea	ır Coasta) (l <u>k</u>	
Candidate name:							
RTO name:							
RTO number:							
Vessel name(s):							
Candidate assessment result summary The candidate has completed all components of the relevant Maritime Training Package, including this practical assessment and has been deemed competent:							
Assessor name ar Assessor signatur Assessor commer	e:				Date:	/	1

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).

Vessel/assessment requirements:

The practical assessment must be carried out on board a commercial vessel with inboard diesel propulsion power of ≥150kW 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 (≥150kW), propulsion plant, auxiliary systems and deck machinery ashore.

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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.

I	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 Wor	k effectively with others			
identify own respon requirements	sibilities in relation to the team and the organisation's	ı		
work effectively in a	group	G		
Assessor name and number:		г		
Assessor signature:		Date:	/	1
Notes				
	n marine internal combustion engines, propulsion ciliary systems	n plant		
	ements throughout the work sequence including the use of			
personal protective		IW		
complete all work to	specification	IW		
propulsion plant and	r maintenance of marine internal combustion engine, d auxiliary systems to manufacturer specifications and s, so as to prevent pollution of the marine environment	GW		
complete maintena		I		
lubricating		IW		
maintain emergence	y equipment	IW		
overhaul pumps		IW		
perform breakdown	maintenance in the event of failure of engine systems	GW		
perform breakdown	maintenance in the event of failure of auxiliary systems	GW		
read and interpret r material safety data	nanufacturer specifications and safety data sheets (SDS) sheets (MSDS)	/ I		
Assessor name				
and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARB032 Underta	ke basic maintenance of electrical systems			
	ments throughout the work sequence, including the ective equipment (PPE)	I		
carry out maintenan battery maintenance testing of alarm systems testing of emergen testing of power are	ce stems cy generator	IW		
 blown fuses or ope earthing failure of electricity motor brake failure motor failure shorting 	generating systems to release	IW		
· ·	environmentally responsible work practices	IW		
• perform isolation, lo	ck out and tag out procedures	IW		
Assessor name and number:				
Assessor signature:		Date:	/	/
-	e engine room tasks			
	nd safety (WHS) / occupational health and safety (OHS) hazard identification, risk assessment and risk control op	l otions		
carry out housekeep correct disposal of pumping of bilges removal or lashing	waste	GV		
 complete all work to 	specifications	GV		
 keep running and m 	aintenance logs	I		
sequence tasks		I		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC034 Maintai	n hull out of water			
	and safety (WHS) / occupational health and safety (OHS) hazard identification, risk assessment and risk control option	s I		
 carry out maintenant examining anchor inspecting: anodes hull fittings propeller, shafts rudder, rudder s watertight and w 	and seals	IW		
plan and prepare for	or maintenance			
read, interpret and requirements	comply with manufacturer instructions including all WHS/OHS	3		
read, interpret and maintenance of ves	comply with operating and service manuals for seel hull	I		
 read, interpret and data sheets (MSDS 	comply with safety data sheets (SDS) / material safety	I		
 recognise faulty eq organisational proc 	uipment and take appropriate action according to edures	GW		
	age and deterioration and take appropriate action sational procedures	0		
 select and use corr 	ect tools and equipment for maintenance task	I		
Assessor name and number:				
Assessor signature:		ate:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC035 Operate	and maintain extra low and low voltage electrical			
systems	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 c	ther crew members	G		
connect and discon	nect shore power	IW		
ensure correct required and equipment are	irements and details of basic maintenance of electrical systemates available	ems I		
implement safe and maintenance activiti	environmentally responsible work practices in testing and es	IW		
locate, interpret and equipment	apply manufacturer specifications for electrical systems an	ıd I		
	nt (DC) systems and conduct operator preventive maintena acturer recommendations, regulations and vessel operating re safe operation			
	nd low voltage electrical systems according to manufacturer regulations and vessel operating procedures to ensure safe			
 performing isolation 	, lock out and tag out procedures	IW		
		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 a requirements and w	nd safety (WHS) / occupational health and safety (OHS) lork practices		
communicate with communicate	ther crew members G		
safely use deck ma basic hydraulic system capstans electric or hydraulic lifting equipment	•		
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 propuliliary system	sion		
check pressures, ten according to technical	nperatures and revolutions during start-up and warm-up ր al specifications	periods IW		
	perating procedures and manufacturer recommendations available fuel, lubricants, cooling water and air	s for IW		
comply with work he requirements and wo	alth and safety (WHS) / occupational health and safety (Cork practices	OHS) I		
implement safe and	environmentally responsible work practices	IW		
, ,	s safely according to regulations, manufacturer instruction as to prevent pollution of the marine environment	ns and IW		
	ystems according to established procedures and so as to he marine environment	IW		
operate main propuls	ion plant auxiliary systems to ensure safe operating conditio	ns IW		
operate marine interi	nal combustion engines within technical specifications	IW		
	stems according to manufacturer instructions, operational ulations to ensure safety of operation and prevention of po nment			
	system according to manufacturer instructions, operation llations to ensure safety of operation and prevention of po nment			
	and supervise cooling down of engine according to vessels and manufacturer recommendations	IW		
 coolant levels pressures and temper filters fuel level batteries and turning oil level starting system sufficient power avant 	ng on isolator ailable on switchboard before closing isolator or breaker and faults on engines, equipment, lines and connections uards and shafts arequired	IV		
Assessor name				
and number:				
Assessor signature:		Date:	1	/

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Notes

Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC040 Manage	fuel systems			
	ealth and safety (WHS) / occupational health and safety (OF I, legislation and policies	HS) I		
conduct refuelling of with fuel supplier an	ompletion procedures, including communications and valve closure	GV		
manage refuelling to environment	o ensure safety of operation and avoid pollution of marine	GV		
measure tank levels	3	IV		
 recognise faulty equ 	uipment and take appropriate action	IW		
 recognise problems and take appropriate 	and hazards during refuelling and fuel transfer operations, e action	G		
select and use relevenees	ant equipment required for refuelling and fuel transfer	GV		
Assessor name and number:				
Assessor signature:		Date:	1	1
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
· -	and monitor marine internal combustion engine	s,		
	sion plant and auxiliary system			
	ealth and safety (WHS) / occupational health and safety (C ol, legislation and policies	OHS) I		
 identify construction 	nal parts of marine internal combustion engines	IW		
maintain logs, inclu maintenance logs oil record book running logs	ding:	I		
manage lubricating	systems and prevent pollution of the marine environment	IW		
manage cooling sys	stems	IW		
manage pumping s	ystems and prevent pollution of the marine environment	IW		
manage stowage of	f flammable/explosive materials and refrigerant gases	G		
operate main propu parameters	lsion plant and auxiliary systems within recommended	IW		
 prepare vessel and 	machinery for sea	IV		
recognise and recti	fy operational faults	GW		
secure vessel and i	machinery after voyage	IV		
take action in the expression in the expression.	vent of malfunction or emergency	GW		
Assessor name and number:		г		
Assessor signature:		Date:	1	/
Notes				

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Candidate name:				
	Practical assessment tasks		Assessor Initials	Date
MARC042 Operate	electrical system			
 adjust electrical sup 	ply to accommodate load demand	IW		
	nd safety (WHS) / occupational health and safety (OHS) I, legislation and policies	I		
 connect and discon 	nect shore supply	IW		
locate, interpret and equipment	apply manufacturer specifications for electrical systems and	ı		
systems according	r alternating current (AC) and direct current (DC) electrical to manufacturer recommendations, regulations and vessel es to ensure safe operation	IW		
operate electrical sy	stems and equipment	IW		
perform isolation, lo	ck out and tag out procedures	IW		
recognise and rectif	y operational faults	IW		
Assessor name and number: Assessor signature:	Dat	te:	/	
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Notes				

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Candidate name:					
	Practical assessment tasks		Assessor Initials	Date	
MARF027 Apply be	asic survival skills in the event of vessel abando	nment			
	I interpret information on the use of lifesaving equipment lowed when order to abandon vessel is given	and I			
	communicate effectively with other personnel and passengers during simulated abandon vessel musters and emergencies				
determine type and eaction to be taken	extent of emergency and appropriate survival	IV			
• remain afloat withou	it a life jacket for at least 5 minutes	IP			
don a lifejacket in w	ater	IP			
ensure behaviour ref lifesaving appliances	lects statutory requirements pertaining to	IP			
swim in a lifejacket	for a minimum of 50 m	IP			
tow with a life jacket	for a minimum of 25 m	IP			
maintain a group hu	maintain a group huddle for at least 10 minutes				
swim in a group cor	ga line for a minimum of 50 m	GP			
hold heat escape le	ssening posture for at least 10 minutes	IP			
operate radio equip high frequency (HF)	ment, including very high frequency (VHF) or radios	IW			
operate and use ora	ange 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	nstructions on emergency procedures, safety manageme	nt I			
recognise and interpretation	oret muster signals appropriately for indicated emergency	/ IV			
Assessor name and number:					
Assessor signature:		Date:	1	/	
Notes					

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Candidate name:			_	
	Practical assessment tasks		Assessor Initials	Date
MARF028 Follow procedure to minimise and fight fires on board a vessel				
	media to a fire, including:	GF		
- water				
- dry chemica	•			
 apply work health and safety (WHS) / occupational health and safety (OHS) requirements and work practices 				
communicate and work collaboratively as a member of a team in a firefighting operation GF				
• correctly use vessel closure and shutdown systems				
• identify fire hazards and risks G				
• use a fire blanket to extinguish a fire GF				
• use fire hose, lines (jet spray to fog stream)				
400 1110 11000, 111100 (jet opray to log outdam,	•		
Assessor name				
and number:				
Assessor signature:		Date:	1	1
Notes				
MARE029 Meet wo	rk health and safety requirements			
 MARF029 Meet work health and safety requirements access workplace information on safety management systems 				
apply safe manual handling techniques I				
cooperate with employer or supervisor on any action taken to comply with WHS/OHS legislation				
demonstrate safe we		Ī		
	to typical emergency situations	IV		
identify isolation points for equipment and follow workplace procedures for lock out or tag out of equipment as required IW				
maintain housekeeping standards in work area				
• select, fit and use appropriate personal protective clothing and equipment IW				
take reasonable care for own health and safety				
Assessor name and number:				
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 har	andling strategies to manoeuvre survival craft	IP		
board a life raft unas	ssisted while wearing a lifejacket	IP		
communicate with other crew members				
determine type and extent of emergency				
jump safely from a height into the water while wearing a life jacket, and according to established survival practice				
operate radio equipment				
participate in training, musters and emergency drills				
recognise and interpret muster signals				
 right an inverted life established survival 	raft unassisted while wearing a lifejacket according to practice	IP		
 swim while wearing established survival 	a lifejacket and float without a lifejacket according to practice	IP		
use a rescue quoit to assist a person to the life raft				
use paddles to manoeuvre survival craft GP				
use survival equipment	ent	GP		
Assessor name and number: Assessor signature:		Date:	1	1
MARJ006 Follow e	nvironmental work practices			
	zard control procedures when disposing of waste and ga	rbage I		
apply work health ar practices, including light				
	es and follow instructions for environmental work practice			
report environmental hazards and risks in a timely way				
Assessor name and number:		1		
Assessor signature:		Date:	1	/
Notes				

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