



Student ID.....

Surname.....

Other Name.....

Squad/College.....

Signature.....

Date.....

Please ensure that this completed assignment is handed to your teacher before the due date of.....

Total Questions	Possible Marks	Marks Achieved
3	100	

2008

**Prepare, maintain & test response equipment
PRACTICAL ASSIGNMENT**

PASS MARK = 60

TOTAL MARKS AVAILABLE = 100

Pages in this Question Booklet = 6

With written tasks organise your assessment into a soft folder. Avoid using plastic sleeves, as your assessor needs to make marking notes and give you written feedback directly onto your work.

Ensure the number, assessment task title; your name is on the title page.

Prepare, maint. and test response equipment practical assessments

PUAEQU001A/03 Clean, Service and Restore Equipment -Total marks 25

Arrange with you teacher and skipper to complete the “on the job” training, where you will be required to assist with the tasks on at least one rescue vessel:

- Clean, maintain and update the Squad records of response equipment use.
- Check for missing or broken parts and identifying and obtaining a replacements.
- Use the relevant operational procedures as per your Squad SOP’s

RESCUE DUCK (IRB) -POST-DEPARTURES SAFETY CHECKLIST	
Yes	Hose down.
Yes	Remove transom bungs, drain interior, replace bungs.
Yes	Flush motor and remove cowl.
Yes	Refuel, inspect fuel lines, filter and prop.
Yes	Inspect, dry and re-stow equipment as necessary.
Yes	Radio sign off and complete logbook.
RESCUE RIB -POST-DEPARTURES SAFETY CHECKLIST	
Yes	Hose down.
Yes	Remove transom bungs, drain interior, drain water ballast, replace bungs.
Yes	Flush motor and remove earmuffs.
Yes	Record engine hours.
Yes	Turn off battery master switch.
Yes	Refuel, inspect fuel lines, water separator and prop.
Yes	Inspect, dry and re-stow equipment as necessary.
Yes	Re-inflate as required.
Yes	Radio sign off and complete logbook.
R1 ENGINEERING -POST-DEPARTURES SAFETY CHECKLIST	
Yes	Centre helm, raise trim tabs, lower aerials, shut down motors/nav. electronics.
Yes	Hose down.
Yes	Check engine oil, fuel levels and fuel water separators, coolant level.
Yes	Visual check engine room condition (hoses, belts, raw water screen viewer, bilges.)
Yes	Visual check all areas for safe stowage and clearance for moving parts.
Yes	Inspect, dry and re-stow equipment as necessary. Open engine hatches to ventilate.
Yes	Turn off battery master switch, engine room lights and fly bridge radio.
Yes	Radio sign off and complete logbook.
BOAT SHED	
Yes	All lights off, all doors /windows locked/radio sign off as appropriate, alarm on.
The following routine cleaning and maintenance operations were carried out by:	
Trainee Name	Trainee Signs.....
Assessor Name.....	Assessor Signs.....
Date	

Inspect Response Equipment -Total marks 25

Arrange with you teacher and skipper to complete the “on the job” training, where you will be required to assist with the Squads SOP’s in:

- Inspecting equipment & identifying faulty or damaged equipment.
- Reporting and recording these faults or damaged items.

WEEKLY ROSTERED JOBS- ONE HOUR DURATION FOR TEAM			
Date	Initial	Job	Description
Week 1		1	R1- Polish Starboard hull.
Week 2		2	R1- Polish Port hull.
Week 3		3	R1- Polish upper works and where required.
Week 4		4	R1- Check props, rudders, trim tabs for operation. Flybridge steering reservoir level.(special hydraulic oil) Trim tab hydraulic oil levels Invert fire extinguishers Anchor locker & winch (clean) Engine air ventilator flap operation Fresh water reserves & flares & First aid equipment All house, navigation lights, torches & searchlights Operate toilet valves & pumps Bilge hoses and valves
Week 5		5	R1- Check all equipment. Clean E.R. & cabin. Wash lifejackets Radio & battery connections and electrolyte. Engine & batteries connections and electrolyte. Fuel filters and water separators Raw water filters Condition of belts, hoses & clamps Engine coolant levels (when cold) Gear box oil (note it is pressurized) Grease trolley wheels
Week 6		6	R1- Polish stainless fittings.
Week 7		7	RIB- Check all equipment. Check first aid kit Grease engine Fuel filters and water separator Remove prop & grease shaft Wash boat & jackets Grease trailer & oil winch cable Inflate pontoons Check lights, bilge pump, battery & terminals
Week 8		8	DUCK- Check all equipment. (plus first aid kit and toolkit) Wash boat & life jackets Clean fuel filter Remove prop & grease shaft & grease engine Trailer checks- bearings, tyres, lights, rollers
Week 9		9	SHED- Clean & tidy lower floor Oil cable & inspect winch & mountings. Treat corrosion. Check fire pump operation, fittings & hoses. Spray with Inox. Check generator operation. Treat corrosion as necessary.
<p>The following servicing operations were carried out by:</p> <p>Trainee Name Trainee Signs.....</p> <p>Assessor Name..... Assessor Signs.....</p> <p>Date</p>			

Test Response Equipment

Arrange with you teacher and skipper to complete the “on the job” training, where you will be required to fulfill two tasks; one from the vessel maintenance and one a portable response equipment as listed below.

Use the reporting sheets overleaf to record the activities of:

- Testing of equipment to approved procedure to ensure it is fitness for purpose.
- Recording of test results to regulatory and Squad requirements
- Reporting and recording of defective equipment and sub-standard test results.

ENGINEERING MAINTENANCE PLAN CHECKLIST	
Vessel Monthly	
Yes	Sea-water suction and discharge valves.
Yes	Manual and power bilge pump, deck hose and fire pump.
Yes	Check the stern gland for correct adjustment, operate emergency steering.
Vessel Three monthly (or Engine Hrs)	
Yes	Check helm pump hydraulic reservoir level.
Yes	Engine oil change
Vessel Six monthly (or Engine Hrs)	
Yes	Service gear oil
Yes	Fuel filter servicing
Yes	Air filter servicing
Yes	Raw water piping anodes.
Yes	Examination and end for end of all lifting ropes.
Yes	Certification of wire rope and lifting gear shackles/pins <12mm diameter.
Yes	Service of fire extinguishers and fixed firefighting equipment to Aus standard 1851
Portable Response Equipment	
Yes	Fire pump & hoses
Yes	A power winch
Yes	Generator & cabling
Yes	Emergency lighting
Tests/ tests recording of the equipment circled (to the Squad’s SOP’s) was carried out by:	
Trainee Name	Trainee Signs.....
Assessor Name.....	Assessor Signs.....
Date	

Report Sheet One

Name:

Total marks 25

Mark:

Selected and use appropriate hand tools to dismantle/reassemble without damaging the components or tools
Record the sizes of components from the assembly.

Test of equipment to approved procedure to ensure it is fitness for purpose.

Record of test results to regulatory and Squad requirements

Report and record of defective equipment and sub-standard test results.

VESSEL EQUIPMENT JOB TITLE / DATE / TIME / LOCATION
TEST DESCRIPTION AND SAFETY PRECAUTIONS
TEST SPECIFICATIONS
TOOLS REQUIRED / USED
RECORD OF COMPONENT SIZES AND PART NUMBERS
COMMENTS, COMPONENT SKETCHES, TEST RESULTS
TEST RESULTS / RECOMMENDATIONS
TRAINEE SIGNS

Report Sheet Two

Name:

Total marks 25

Mark:

Selected and use appropriate hand tools to dismantle/reassemble without damaging the components or tools
Record the sizes of components from the assembly.

Test of equipment to approved procedure to ensure it is fitness for purpose.

Record of test results to regulatory and Squad requirements

Report and record of defective equipment and sub-standard test results.

PORTABLE EQUIPMENT JOB TITLE / DATE / TIME / LOCATION
TEST DESCRIPTION AND SAFETY PRECAUTIONS
TEST SPECIFICATIONS
TOOLS REQUIRED / USED
RECORD OF COMPONENT SIZES AND PART NUMBERS
COMMENTS, COMPONENT SKETCHES, TEST RESULTS
TEST RESULTS / RECOMMENDATIONS
TRAINEE SIGNS