AIRBOAT PERSONNEL QUALIFICATION STANDARD (PQS)

Personnel Qualification Standard (PQS) All Airboats at FIU

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Aschoot Crary Chief Condidates	Airboat Crew Chief Candidate:

This PQS is designed to be completed under the guidance of a mentor. Any mentor signing off on a task needs to be a qualified airboat crew chief. The purpose of the PQS is to allow crew members to gain experience and knowledge working under a qualified airboat crew chief, while working as crew during normal research operations. This allows for specific "on the job" training with the vessels being used, and the operational area being worked in. Mentors should only sign off on tasks once the trainee is competent in performing the task independently. Once all sections are complete, the airboat crew chief/trainer should notify a Qualified Examiner to make arrangements for the "dockside" exam and underway check ride. All airboat operators are considered airboat crew chiefs unless they are under training, being supervised by a certified airboat crew chief. They must fulfill general boating requirements outlined in section 3.3.1 of this manual.

AIRBOAT PRACTICAL CHECKLIST

Operations during fog, heavy rain, nighttime (low visibility conditions)

5. Preventative maintenance and repairs		
Post-operation clean-up		
Trailer maintenance (tire condition, who	eel bearings, trailer lights)	
Airboat maintenance		
Refueling		
Checking/adding oil		
Cleaning sediment trap and bilge	pump	
Checking fan belts		
Secure bolts/screws (engine mou	int, grass rake)	
Condition of spark plugs, wiring	, and battery terminals	
Emergency repairs and trouble-shooting	g mechanical problems	
ADDITONAL REMARKS		
Accomplished:		
Applicant Signature	Date	
Trainer Signature	Date	
PI Signature	Date	

Initial Certifications

Completed		
Obtain state of Florida Boating Safety Education Card. with this completed PQS.		cation Card. A copy should be submitted
	Current First Aid certification. A copy should be submitted with completed PQS	
	Current CPR certification. A copy should be submitted with this completed PQS.	
	Pass the Airboat Crew Chief Qualification Examination with a score of 90% of better. The exam should be submitted with this completed PQS.	
	Log at least twenty (20) hours operating an airboat. Hours underway must be logged and signed off by qualified airboat crew chief. A copy of the log should be submitted with this completed PQS	
Accomplishe	ed:	
Applicant Si	gnature	Date
Trainer Sign	nature	Date
PI Signature		Date

Trailering

Note: The Marine Science BBC Boatyard is an excellent location to practice trailer skills without the complications of traffic.

Completed		
Properly hook truck up trailer. Hitch, chai		ins, and lights.
Conduct safety checks of truck, trailer, and		nd boat in preparation for transport.
	Safely drive truck and trailer in forward gear, including pulling up boat ramp	
	Safely drive truck and trailer in reverse, including backing down boat ramp.	
	Prep boat for launch, and safely launch boat.	
Retrieve boat onto trailer, pull out of wate		er and secure for travel.
Accomplish	ed:	
Applicant S	ignature	Date
Trainer Signature		Date
PI Signature		Date

Pre-Trip Preparations

Completed		
Demonstrate knowledge of how to reserve l		ve FIU vehicle and boat.
	Prepare a float plan.	
	Ensure boat is equipped with all necessar	ry safety and operational equipment.
	Verify boat is fully fueled and electrical	systems are functional.
	Ensure crew and passengers have enough for anticipated field time, as well as rese crew stuck for extended length of time.	n food, water, clothing, and sun protection rves in case of trouble that leave boat and
Accomplishe	ed:	
Applicant Si	gnature	Date
Trainer Signature		Date
PI Signature	<u>, </u>	Date

Operational Tasks

Completed		
	Safely board all gear, crew, and passenger	s.
	Brief all crew and passengers, both safety	and mission briefings.
	Demonstrate proficiency in safely leaving	dock/launching area.
	Demonstrate proficiency in safely operating	ng boat underway as part of mission.
	Demonstrate proper usage and knowledge	of engine cut of switch.
	Demonstrate proficiency in safely dockin retrieval.	g, returning to launching area, and boat
	Demonstrate knowledge of communication radio, cell phone, and satellite phone; as a	1 1
	Demonstrate knowledge of emergency s Note, all airboats have non pyrogenic visu in sawgrass.	
	Tie the following knots and state their use hitch, round turn and two half hitches.	. Cleat hitch, bowline, sheet bend, clove
	Demonstrate ability to read and navigate area, as appropriate.	with appropriate charts and/or maps for
	Demonstrate ability to use GPS to find you	ar stations and return to launching point.
Accomplishe	ed:	
Applicant Si	ignature	Date
Trainer Sign	nature	Date
PI Signature	e	Date

Post Trip Tasks

Completed	
Fuel boat and truck at FIU f	fuel pumps after return to campus.
Remove and return all gear	that does not remain stored aboard.
Wash down boat and trailer	·
Close out float plan.	
Accomplished:	
Applicant Signature	Date
Trainer Signature	Date
PI Signature	Date
vessel, the environment, the research equip	te these airboats in a manner that promotes safety of the pment, and most importantly, the personnel aboard the trations may occur, my crew chief title may be revoked,
Signature	Date
either myself or my designated crew chief manner that promotes safety of the vesse importantly, the personnel aboard the vesse	at they have completed the PQS for FIU airboats with trainer and authorize them to operate FIU airboats in a l, the environment, the research equipment, and most el. I also acknowledge that if any unsafe operations may d, and we may be responsible for damage fees.
Signature	Date