Boating Safety Program
ALL-HANDS MEETING

November 15, 2019
Meeting Agenda:

- Review of requirements (Crew Chiefs & Crew)
- Pre-departure requirements
- Emergency management plan
- Changes to Boating Safety Manual
- Technical issues resolved
CREW

- Scientific Boating Application
CREW

• Scientific Boating Application
• Boating Safety Course
  • National Association of State Boating Law Administrators (NASBLA) approved course
CREW

- Scientific Boating Application
- Boating Safety Course
- Swim Test
Swim Test Requirements:
• Enter the water and submerge head
• Swim 100 yards (4 lengths, 2 laps) continuously without stopping
• Tread water for 3 minutes (stay in position with head above the water)
• Exit the pool under their own power without using the ladder

Exemptions for the swim test:
• FIU scientific diver
• Certified scuba diver
• Certified lifeguard
• Active swim team athlete
• Active water polo athlete
• Water safety instructor
• Other exemptions will be reviewed on case by case basis
CREW CHIEF

- Scientific Boating Application
- Boating Safety Course
- Swim Test
- Basic Life Support (BLS) Certification
  - AED
  - CPR
  - First Aid
CREW CHIEF

- Scientific Boating Application
- Boating Safety Course
- Swim Test
- Basic Life Support (BLS) Certification
- Personal Qualification Standard (PQS)
  - MOCC Qualification OR Merchant Mariner Credential
PRE-DEPARTURE REQUIREMENTS

- Vessel Safety

[Image of the FIU Vessel Safety Checklist form]
PRE-DEPARTURE REQUIREMENTS

- Vessel Safety Checklist
- Float Plan
PRE-DEPARTURE REQUIREMENTS

• Vessel Safety Checklist
• Float Plan

https://research.fiu.edu/boating-safety/
PRE-DEPARTURE REQUIREMENTS

• Vessel Safety Checklist
• Float Plan
• Mandatory: Personal Floatation Device (PFD)
PRE-DEPARTURE REQUIREMENTS

• Vessel Safety Checklist
• Float Plan
• Mandatory: Personal Floatation Device (PFD)
• Recommended protective equipment
PRE-DEPARTURE REQUIREMENTS

• Vessel Safety Checklist
• Float Plan
• Mandatory: Personal Floatation Device (PFD)
• Recommended protective equipment
• Vessel safety equipment
  • BAFA boxes
  • Emergency communication equipment
Emergency Communication Equipment

- EPIRB
- VHF Radio
- Satellite Telephone
- Personal Locator Beacon (PLB)
  - DeLorme handheld satellite tracking system
- Cell Phone
EMERGENCY MANAGEMENT PLAN

• All crew chiefs must prepare and file an Emergency Management Plan (EMP) with lab manager as part of the float plan.

• It is the responsibility of the reporting party listed in the float plan to establish if teams have returned safe and sound or that a research team may need assistance for a non-emergency boat related incident.

• The BSO or designee, must be notified immediately of boating accidents or incidents.
• For any “emergency” type situation, where life is threatened, the U.S. Coast Guard should be notified first.

• Other steps would be to activate the EPIRB (if present on the boat) if requested by the USCG or no contact can be made.

• To ensure that the research team can communicate during non-emergency or emergency situations each vessel must have a VHF radio as primary communication and a cell phone as secondary communication.

• When out of cell phone range, a satellite phone is secondary communication.

• It is the responsibility of the crew chief during the pre-departure briefing to instruct and assure that anyone on the boat can operate the vessel communication devices.
Emergency Contact

PI: if not emergency contact

BSO: Aarin-Conrad Allen
(330) 338-1762

Chair BSC: Dr. Joel Trexler
(305) 926-8181
ILLEGAL AND CONTROLLED SUBSTANCES

Florida International University adheres to a Zero Tolerance policy for illegal drugs aboard FIU vessels. Operators of vessels under the auspices of FIU shall not operate vessels if under the influence of alcohol, drugs (legal or illegal), or prescription drugs which may impair or influence their judgment or capabilities.
CHANGES TO BOATING SAFETY MANUAL

• NEW PQS Forms

6.0 Airboat Personal Qualification Standard (PQS)

Personal Qualification Standard (PQS)
All Airboats at FIU

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/trainee 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

1. Pre-flight safety inspection
2. Trailering
   - Appropriate hook-ups (safety chains, trailer lights)
   - Launching/Loading

4.0 Motorboating Personal Qualification Standards (PQS)

Personal Qualification Standard (PQS)
Motorized vessels up to 20’ in confined fresh and marine waters, including Biscayne Bay and Florida Bay, Keys coastal water inside the reef tract

Crew Chief Candidate: ____________________________

This PQS is designed to be completed under the guidance of a mentor. Any mentor signing off on a task must be a qualified Motorboat Crew Chief. The purpose of the PQS is to allow crew members to gain experience and knowledge working under a qualified Motorboat 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 Crew Chief/trainee should notify a Qualified Examiner to make arrangements for the “dockside” exam and underway check ride. Qualified Examiners are designated by the BISO with input from SERC and the FOC.

Initial Certifications

Completed

_______ Obtain state of Florida Boating Safety Education Card. A copy should be submitted with this completed PQS.
_______ Current First Aid certification. A copy should be submitted with completed PQS.
_______ Current CPR certification. A copy should be submitted with this completed PQS.
CHANGES TO BOATING SAFETY MANUAL

- NEW PQS Forms
  - Include signatures from Applicant, Trainer, and P.I.

Accomplished:

Applicant Signature_________________________  Date______________

Trainer Signature___________________________  Date______________

PI Signature_______________________________  Date______________
CHANGES TO BOATING SAFETY MANUAL

- NEW PQS Forms
- Crew Chief Qualification Examinations

**Airboat Crew Chief Qualification Examination**
Must obtain passing score of 90% or better.

Crew Chief Candidate: ________________________________

**Motorboat Crew Chief Qualification Examination**
Must obtain passing score of 90% or better.

Crew Chief Candidate: ________________________________
CHANGES TO BOATING SAFETY MANUAL

- NEW PQS Forms
- Crew Chief Qualification Examinations
  - Exempt for current crew chiefs
VESSEL SAFETY CHECKLIST TECHNICAL ISSUE

• Problem submitting the Vessel Safety Checklist on Boating Safety Program website
CHECKLIST & FLOAT PLAN ACCESS

- Automatic access for ALL FIU employees
- Special access needs to be granted for students
CHECKLIST & FLOAT PLAN ACCESS

• Automatic access for ALL FIU employees
• Special access needs to be granted for students

If you need access or have additional questions, email me at: acallen@fiu.edu
(330) 338-1762 cell
(305) 919-5228 office
Be Worlds Ahead