



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

FIU FLORIDA INTERNATIONAL UNIVERSITY
Environmental Health & Safety
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FIU SCIENTIFIC BOATING APPLICATION

PERSONAL INFORMATION: Submission Date: _____

Name: _____

Gender: M F DOB: _____ Panther ID #: _____

Current Address: _____

Permanent Address: _____

Telephone: _____ (Home) _____ (Office)

Department: _____ P.I.: _____

Email: _____

EMERGENCY CONTACT INFORMATION:

Name: _____ Relation: _____

Address: _____

Telephone: _____ (Home) _____ (Office)

MEDICAL INFORMATION:

Physician's Name: _____ Telephone: _____

Address: _____

Health Insurance Carrier: _____ Telephone: _____

Last Physical Exam: _____

CERTIFICATIONS AND/OR EXPERIENCE: *(Please attach copies of each)*

Type	Agency	Date	Hrs/Registration#
Boating			
CPR			
FIRST AID			
LIFE SAVING			
WSI			

Formal Boat Operation Training: _____

BOATING EXPERIENCE: *(Please list following information from your boating log)*

US Coast Guard Captain: YES NO

Florida Safe Boating Course: YES NO

Number of Months since last active boat operations _____ Months

Approximate Hours Logged: _____ hrs.

Types of Boats (circle all that apply): OB IN I/O Twin Screw Single Screw

Number of years experience as a licensed boat operator _____

09/14 EHS-F117

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-DEPART

- Vessel Safety

FIU Environmental Health and Safety Vessel Safety Checklist

Operator or Captain:

Vessel Name:

Vessel Name if "Other":

Date: 12/14/2019 2:26:24 AM

Equipment Checklist-Required

- Flotation submitted
- Boater education card
- Boat registration
- Compass and GPS
- Up-to-date charts of area
- PFD's- life jacket suitable for each person on board, readily accessible
- Fire extinguisher properly mounted, fully charged
- Visual distress signals
- Motorboats: current dates on flares, proper amount required
- Airboats: signal mirror

The following items are recommended

- Tool kit and spare parts
- Flashlight

Vessel System Checklist

- Drain plug installed
- Fuel tank full
- Bilge free of water
- Engine oil level correct (1 stroke engine), oil tank full (2 stroke eng)
- Turn on battery switch if one is installed
- Battery fully charged

Departure Checklist

- Make sure each person has a properly fitted PFD
- Show everyone location of PFD's, fire extinguisher(s), visual distress
- Safety procedures for rough weather, man overboard, fire, and how
- Make sure all fuel lines and hoses are secured and free from damage

Crew Member Number (ID):

Secondary confirmation
By providing their FIU Member ID, the above crew member certifies that they have checked over the vessel and safety equipment needed for the trip.

Submit

MENTS

PRE-DEPARTURE

- Vessel Safety Council
- Float Plan



Float Plan

Instructions: Complete float plan and click submit button below at least two days prior to boat operations. A copy of the submitted form will be automatically emailed to your PIU supervisor and to the PIU Boating Safety Officers, Capt. Bill Chamberlain and Rafael Gonzalez Collins. If a question on this form does not apply to your request, please enter "N/A".

Code of vessel and registration number	<input type="text"/>
Year and Make of vessel	<input type="text"/>
Truck Number	<input type="text"/>
Location where boat and trailer will be parked	<input type="text"/>
Departing from	<input type="text"/>
Departure date and time	<input type="text"/>
Return date and time	<input type="text"/>
Destination (provide name for area and approximate latitude and longitude coordinates)	<input type="text"/>
Purpose of trip	<input type="text"/>
Funding SanibelGulf Funding Source ID	<input type="text"/>
PIU Supervisor Name and Email	<input type="text"/>
Emergency Contact	<input type="text"/>
Crew chief	<input type="text"/>
Crew chief cell phone	<input type="text"/>
Crew chief emergency contact	<input type="text"/>
Crew chief emergency contact phone number	<input type="text"/>
Crew	<input type="text"/>
Witness party aboard	<input type="text"/>
Witness name and emergency contact name & phone number	<input type="text"/>
Boats	<input type="text"/>
Out of others	<input type="text"/>
<small>*The Crew Chief/Captain is responsible for checking that all USCG and PIU required safety equipment is onboard before departure*</small>	
Acknowledgments	<input type="checkbox"/> I certify that a copy of this float plan has been given to a person that will be responsible for tracking our safe return; is both willing and has the necessary contact information to obtain the appropriate help if we are unable without having checked in and updated our return time.
<small>For emergencies contact Capt. Bill Chamberlain, with 823-885-5201, or Rafael Gonzalez Collins, with 788-093-3288. If the emergency is such that it is an immediate safety issue requiring immediate assistance, the first call should be the Coast Guard (NRP channel 16 or phone to the nearest USCG base) or 911 via cell phone as appropriate. All non-emergency incidents, losses, or damages should be reported immediately upon return.</small>	
<input type="button" value="Submit"/>	

STATEMENTS



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



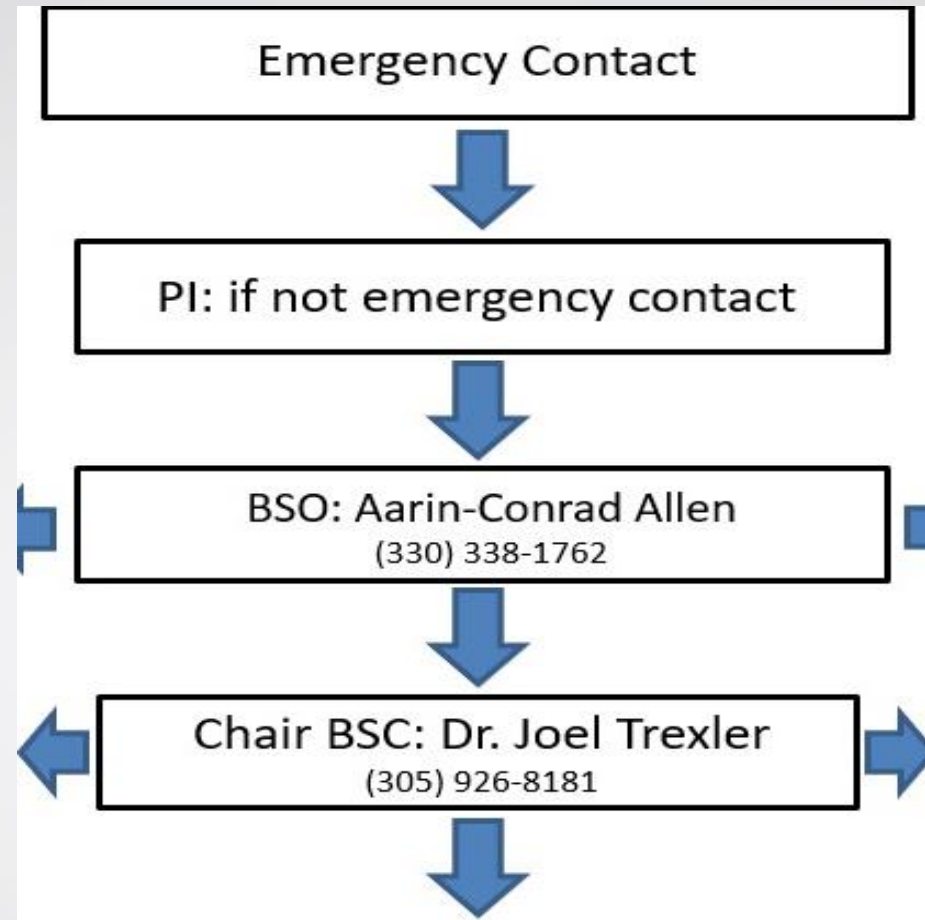
EMERGENCY MANAGEMENT PLAN

- 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.

FIU





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/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

1. Pre-flight safety inspection
2. Trailing
 - _____ 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/trainer should notify a Qualified Examiner to make arrangements for the “dockside” exam and underway check ride. Qualified Examiners are designated by the BSO 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

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v. 1.1 – 11/2019

Airboat Crew Chief Qualification Examination

Must obtain passing score of 90% or better.

Crew Chief Candidate: _____

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v. 1.1 – 11/2019

Motorboat Crew Chief Qualification Examination

Must obtain passing score of 90% or better.

Crew Chief Candidate: _____



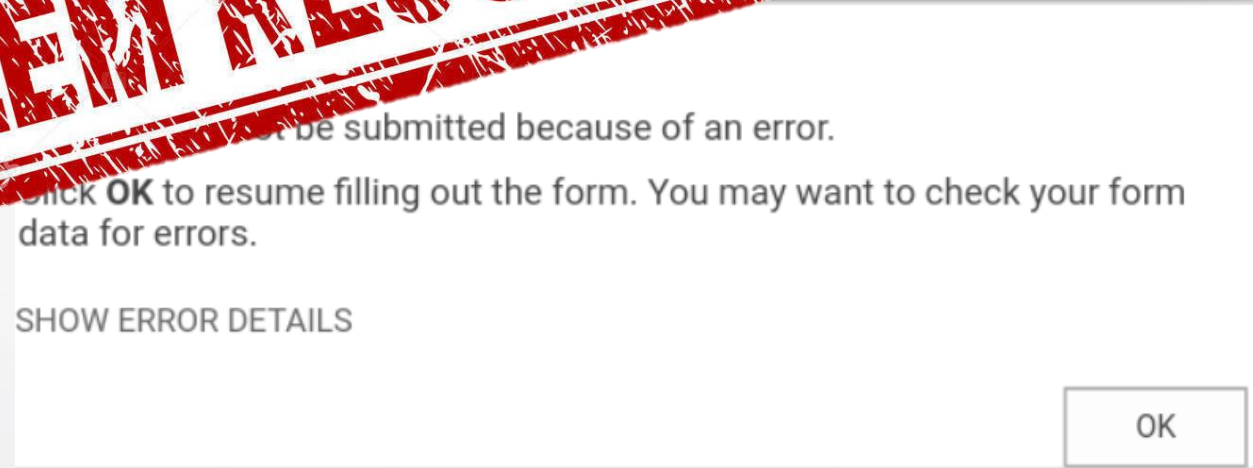
CHANGES TO BOATING SAFETY MANUAL

- NEW PQS Forms
- Crew Chief Qualification Examinations
 - Exempt for current crew chiefs



VESSEL SAFETY CHECKLIST TECHNICAL ISSUE

- Problem submitting the Vessel Safety Checklist Boating Safety Program website





CHECKLIST & FLOAT PLAN ACCESS

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

Sorry, you don't have access.

Awaiting approval. We'll let you know about any updates.

If you want to update your request, you can write a message here.

Send



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