



Welcome!



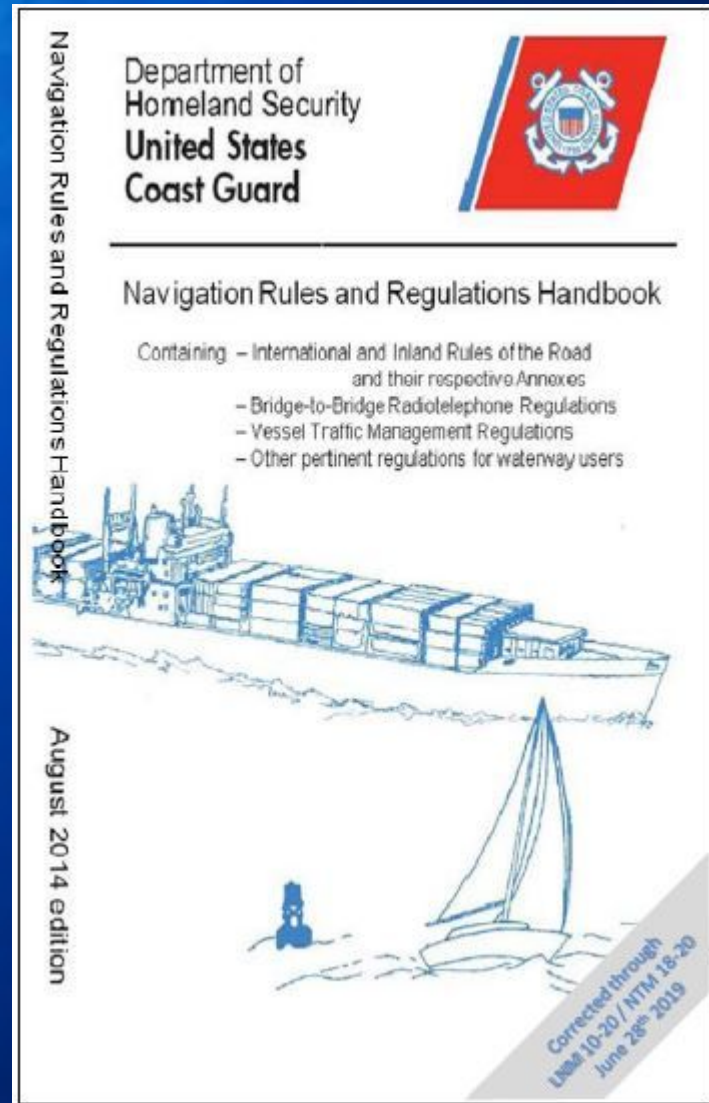
By: Evan Nazareth



BOY SCOUTS OF AMERICA



SAFETY RULES



Apprentice Safety 5.d, Ordinary 5.b



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SAFETY RULES

Qualified Supervision

- Conscientious adult
- Understands and knowingly accepts responsibility for well-being and safety of youth in his care
- Trained, experienced and skilled
- Ability to lead and teach
- Knowledgeable of BSA standards, policy, procedures



Apprentice Safety 5.d, Ordinary 5.b



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SAFETY RULES

Physical Fitness

- Supervisor needs a complete health history from a medical professional, parent or guardian – for youth and adults
- Youth and adults should not participate in activities for which they are unfit.

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SAFETY RULES

Buddy System

- In and on the water
- With you and aware of surrounding conditions.



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- Shallow water
- Wrecks
- Rocks
- Shipping lanes
- Submerged objects
- And more. . .

Safe Area or Course



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SAFETY RULES

Equipment Selection and Maintenance

- Inspect equipment condition.
- Make sure it is properly maintained.



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SAFETY RULES

Personal Safety Equipment

- Every person has the appropriate personal safety equipment and protective gear.
- Every person is dressed appropriately for the weather.



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SAFETY RULES

Safety Procedures and Policies



- Procedures must be known and practiced by all.



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SAFETY RULES

Skill Level Limits

- Know the skill set of every participant.
- Lack of skill puts all at risk.



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SAFETY RULES

Weather Check

- Know potential hazards and appropriate responses.



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SAFETY RULES

Planning

- Good planning minimizes Risks and anticipates contingencies

FLOAT PLAN

INSTRUCTIONS: Complete this plan before you go boating and leave it with a reliable person who can be depended upon to notify the Coast Guard, or other rescue organization, should you not return or check-in as planned. If you have a change of plans after leaving, be sure to notify the person holding your Float Plan. For additional copies of this plan, go to: www.floatplancentral.org

Do NOT file this plan with the U.S. Coast Guard

VESSEL

IDENTIFICATION:
 Name & Home Port: _____
 Doc/Registration No.: _____
 Year & Make: _____
 Length: _____, Type: Power, Draft: _____, HULL No.: 1234
 Hull Color(s): _____
 Prominent Features: _____

TELECOMMUNICATIONS:
 Radio Call Sign: _____
 DSC MMSI No.: _____
 Radio-1: Type: VHF, Ch./Freq.: _____, Monitored: _____
 Radio-2: Type: VHF, Ch./Freq.: _____, Monitored: _____
 Cell Phone No.: _____
 Pager No.: _____

PROPULSION:
 Primary: Type: Gas IC, No. Eng.: _____, Fuel Capacity: _____, gal.
 Auxiliary: Type: None, No. Eng.: _____, Fuel Capacity: _____, gal.

NAVIGATION: (check all on board)
☐ Maps ☐ Charts ☐ Compass ☐ GPS / DGPS
☐ Radar ☐ Loran C ☐ Sounder ☐ _____

SAFETY & SURVIVAL

VISUAL DISTRESS SIGNALS:
☐ Day Only type
☐ Night Only type
☐ Day & Night type

AUDIBLE DISTRESS SIGNALS:
☐ Horn / Whistle
☐ Bell
☐ _____

OTHER GEAR:
☐ Life boat / Life raft ☐ Flashlight / Searchlight
☐ Dinghy / Skiff ☐ Signal Mirror
☐ Food & Water ☐ Droogie / Sea Anchor
☐ EPIRB: None
☐ PFDs: _____
☐ Foul Weather Gear ☐ _____

PERSONS ON BOARD

OPERATOR:
 Name: _____ Age: _____ M/F: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Vehicle (year, make & model): _____
 Trailer will be parked at: _____
 Has experience: w/Boat ☐ w/Area ☐
 Home phone: _____
 Vehicle License No.: _____
 Trailer License No.: _____

PASSENGERS/CREW:
 Name & Address: _____ Age: _____ M/F: _____
 Notes (Special medical condition, Can't swim, etc.): _____
 1. _____
 2. _____

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SAFETY RULES

Communications

- Must be able to communicate effectively with all during the activity.
- Emergency communications must be considered in advance.



Apprentice Safety 5.d, Ordinary 5.b



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SAFETY RULES

Permits and Notices

- Appropriate notifications should be directed to all involved before and after the activity.

The image shows two overlapping forms. The top form is the 'LOCAL NOTICE TO MARINERS WEEKLY EDITION' from the U.S. Department of Homeland Security, United States Coast Guard. It includes a header with the U.S. Coast Guard logo and the text 'U.S. Department of Homeland Security United States Coast Guard'. Below the header, it says 'LOCAL NOTICE TO MARINERS WEEKLY EDITION' and 'Week: 4017'. The form contains several sections of text, including 'NOTICE TO MARINERS', 'NOTICE TO VESSEL OWNERS', and 'NOTICE TO VESSEL OPERATORS'. The bottom form is the 'NATIONAL TOUR PERMIT APPLICATION' from the Boy Scouts of America. It includes a header with the text 'NATIONAL TOUR PERMIT APPLICATION' and 'BOY SCOUTS OF AMERICA'. The form contains several sections of text, including 'GENERAL INFORMATION', 'PERMIT INFORMATION', and 'PERMITTER INFORMATION'. It also includes a table for 'PERMIT INFORMATION' with columns for 'Activity', 'Location', 'Dates', and 'Permit Number'.

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SAFETY RULES

First Aid Resources

- The level of the activity determines the first aid resources and capabilities you must have in place for an event.



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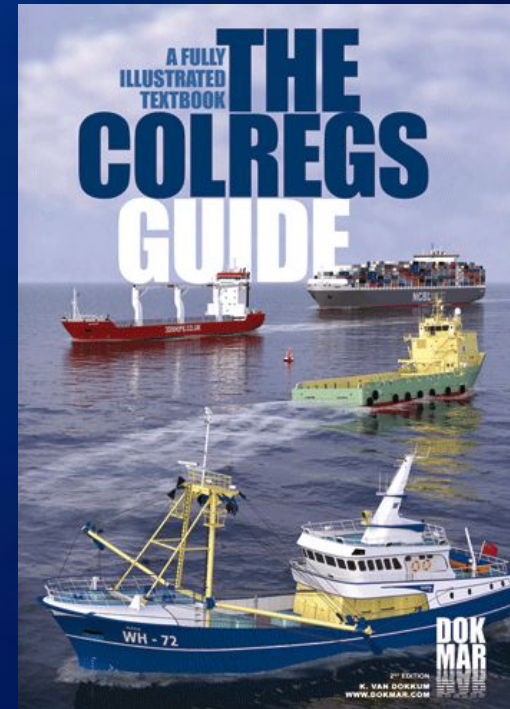
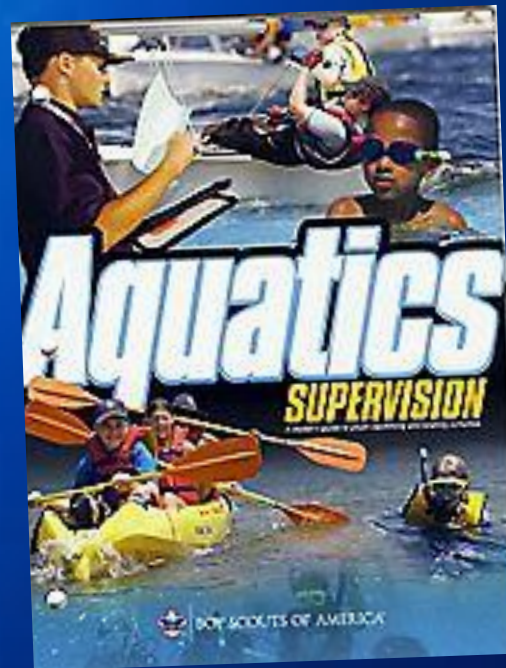
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SAFETY RULES

Applicable Laws

- BSA policies generally exceed legal mandates.
- We must conform and assure compliance with all applicable regulations or statutes.



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SAFETY RULES

CPR Resource

- BSA strictly recommends a person, preferably an adult to be trained in CPR.
- They should be part of the leadership for any BSA program.



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SAFETY RULES

Discipline

- The supervisor must control the activity and participants.
- Youth must respect their leaders and follow directions.



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SAFETY RULES

Incident Reporting

How do you report it?

- First Aid
- Near Miss
- Serious Near Miss
- Vehicle Accident
- Victimization of Scout

INCIDENT REVIEWS 'HOW-TO'

BSA's Commitment to Safety

How to Use Incident Reviews

- Assign a facilitator or moderator. (This person doesn't need to be an adult.)
- Share the incident narratives. Use handouts and recording materials. The can be done as a part of a meeting or a series of meetings. Or it might be a "safety review" to open a direct conversation meeting, a unit committee meeting with youth, or a staff meeting. Consider around a campfire. Whatever the setting, include each of these elements:
- Incident Reviews.** In addition to the review sheet, the facilitator should bring reference materials, including programs, or other resources that demonstrate the relevance of the topic to the audience.
- Resources.** Invite copies of the resources listed on each review sheet. If time allows, use these resources during the discussion.
- Key Points.** The facilitator does not need to find them all in advance. The points are offered to highlight what the resource materials say about having the specific program or activity.
- Discussion Questions.** Let everyone know that there may not always be right or wrong answers to the questions. Consider how they might focus the discussion if you start OK, just adapt the questions to allow a full discussion.

Be Prepared: Not everyone will feel comfortable talking about the subjects. When sharing with youth, do it early in the meeting and allow time for them to ask questions or share observations. Consider having parents participate.

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INCIDENT REPORT

All reports of accidents, incidents, injuries or leadership problems are to be sent to the Patriot's Path Council Office on this form.

DATE SUBMITTED: _____ DATE RECEIVED BY PPC: _____

Name/Address of Person(s) Involved:

1) Name: _____ 2) Name: _____
Address: _____ Address: _____
Phone: _____ Phone: _____
Date of Birth: _____ Date of Birth: _____
Unit Type: Pack Troop Crew # _____ Unit Type: Pack Troop Crew # _____

Parent's Name: _____ Parent's Name: _____
(Attach list of additional names if necessary)

Type of Incident:

() Sideline: _____ () Theft: _____
() Accident: _____ () Fire: _____
() Lost Person: _____ () Storm: _____
() Alcohol/Drugs: _____ () Leadership Problem: _____
() Other: _____

Location:

() Mt. Allegheny Scout Reservation () Camp Winnabago
() Camp Somerset () Sabella Adventure Camp
() Camp Winnebago () Wachungah Club Scout Day Camp
() Other: _____

Incident Happened During:

() Summer Camp Program () Short Term Camping Trip
() Day Hike () District Council Activity _____

() Scheduled Meeting of: () Cub Den () Weekend Den () Cub Pack
() Troop Den () Troop Meeting () Explorer Meeting () Venture Crew
() Patrol Meeting () Other Meeting _____

() Was Tour Planned? Yes _____ No _____ Copy Attached Yes _____ No _____

Date of Incident: _____ Day of Week: _____
Time of Incident: _____ () AM () PM

Prepared. For Life.

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SAFETY RULES



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SAFETY RULES



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SAFETY RULES



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SAFETY RULES



Apprentice Safety 5.d, Ordinary 5.b



BOY SCOUTS OF AMERICA



SAFETY RULES

Boats over 16 feet must add:

- A Type IV throwable flotation device
- (1) One orange distress flag and one electric distress light, or (2) three handheld or floating orange smoke signals and one electric distress light, or (3) three combination red flares (handheld, meteor, or parachute type)



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SAFETY RULES

Boats over 26 feet add:

- One B-2 or two B-1 fire extinguishers. A fixed system equals one B-1.
- A sound-signaling appliance capable of producing an efficient sound signal, audible for one-half mile with a four- to six-second duration
- Oil pollution placard at least 5 by 8 inches placed in the machinery space or at the bilge station
- Garbage placard at least 4 by 9 inches made of durable material displayed in a conspicuous place reminding all on board of discharge restrictions



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SAFETY RULES

Boats 39.4 feet or greater add:

- Copy of the Navigation Rules (inland only)
- A bell with a clapper (bell size not less than 7.9 inches in diameter at the mouth)



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LIFE JACKETS

Skydivers wear their parachutes –
Football players wear their helmets –
Drivers wear their seatbelts –
Responsible boaters wear their life jackets!



Apprentice Safety 5.a



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LIFE JACKETS

Type I - Offshore



Advantages:

- Best at floating a person
- Turns most wearers face-up in the water
- High visibility

Disadvantages:

- Bulky and uncomfortable





LIFE JACKETS

Type II – Near Shore Buoyant Vest



Advantages:

- Less bulky
- Turns most wearers face-up in the water
- More comfortable

Disadvantages:

- Not good for long hours in rough water





LIFE JACKETS

Type III – Flotation Aid

Advantages:

- Generally the most comfortable
- Designed for activity marked on the device
- Available in many styles

Disadvantages:

- Will not flip wearer into face-up position



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LIFE JACKETS

Type IV – Throwable Devices

Advantages:

- Can be thrown to person in the water
- Good backup for life jacket
- Some double as seat cushions

Disadvantages:

- Not useful if unconscious
- Not for non-swimmers or children
- Not good for long period in water

Apprentice Safety 5.a



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LIFE JACKETS

Type V – Special Use Device

Advantages:

- Made for specific activities or sports
- Least bulky of all types
- High flotation when inflated
- Good for continuous wear



Disadvantages:

- Requires active use and care of inflation chamber
- Must be worn to count as life jacket



CHEST SIZE: 40-44 IN.(102 TO 112 CM)

UPC 87306

**FLOTATION AID – TYPE III PFD
INTENDED USE: BOATING VEST
ADULT LARGE**

USER WEIGHT: **MORE THAN 90 LBS. (41KG)** CHEST SIZE: 40 - 44 IN.
MODEL: WAVE (102 TO 112 CM)

U.S. COAST GUARD APPROVAL NUMBER 160.064/4093/0

USCG Approved **wearable** device for uninspected
Commercial vessels **less than 40 feet (12m)** in length
Not carrying passengers for hire, and for recreational
Boats.

WARNING – TO REDUCE THE RISK OF DEATH BY DROWNING:

- **READ MANUFACTURER'S "THINK SAFE" PAMPHLET BEFORE USING THIS DEVICE AND PERFORM "THINK SAFE" CHECKS EACH SEASON**
- **CHOOSE THE RIGHT TYPE AND SIZE PFD AND WEAR IT – FASTEN ALL CLOSURES AND ADJUST FOR SNUG FIT**
- **FOLLOW MANUFACTURER'S USE AND CARE INSTRUCTIONS**
- **DO NOT CARRY HEAVY OBJECTS– HEAVY OBJECTS IMPAIR FLOTATION**

STRENGTH TESTED AT 50 MPH, NOT TESTED FOR PERSONAL PROTECTION FROM IMPACT.

THIS DEVICE IS NOT TO BE FASTENED TO THE BOAT.



LISTED
FLOTATION AID
ISSUE NO. E – 740

WELLINGTON LEISURE PRODUCTS INC., MADISON, GEORGIA

LOT NO. C- 82722102

LIFE JACKETS

Proper Fit

- Check for the appropriate weight or chest size
- Verify that the life jacket is Coast Guard Approved

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LIFE JACKETS

Proper Fit

Put it on.

- Inspect for wear and tear
- Check for rips , broken buckles and straps.

Buckle all straps and tighten or zip up all the zippers



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LIFE JACKETS

Proper Fit



Lift the life jacket by the top

- Too big if jacket rides up above the ears
- Too small if straps or zippers don't close

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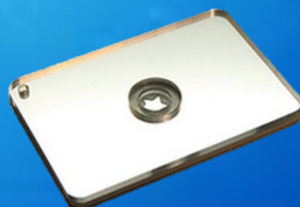


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LIFE JACKETS

Accessories



- Whistle
- Signaling mirror
- Waterproof flashlight or strobe
- Personal locator beacon

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LIFE JACKETS

Treat your life jacket as if your life depends on it.

The amount of buoyancy and life-saving value your life jacket provides will decrease over time.

Protect from:

- Damp
- Constant sunlight
- Chemicals and fumes



RADIO COMMUNICATIONS



VHF-FM

Ordinary Safety 5.e



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RADIO COMMUNICATIONS



Single Side Band

Ordinary Safety 5.e



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RADIO COMMUNICATIONS



Citizens Band Radio

Ordinary Safety 5.e



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RADIO COMMUNICATIONS



Cell Phone





1. Make sure your radiotelephone is on.
2. Select either VHF channel 16 (156.8 MHz) or 2182 kHz.
3. Press microphone button and say: "MAYDAY-MAYDAY-MAYDAY."
4. SAY: "THIS IS _____"
Your call sign/boat name repeated three times
5. SAY: "MAYDAY _____."
Your boat name
6. Tell where you are (What navigational aids or landmarks are near?).
7. State the nature of your distress.
8. Give number of persons aboard and conditions of any injured.
9. Estimate present seaworthiness of your boat.
10. Briefly describe your boat: _____ feet; _____ Type; _____ Color hull;
_____ Color trim; _____ Number masts; _____ Anything else you think will help rescuers find you
11. Say: "I WILL BE LISTENING ON CHANNEL 16/2182."
Cross out one which does not apply
12. End message by saying: THIS IS _____ OVER."
Your boat name and call sign
13. Release microphone button and listen; someone should answer.

IF THEY DO NOT, REPEAT CALL, BEGINNING AT ITEM NO. 3 ABOVE.

If there is still no answer, switch to another channel and begin again.



RADIO COMMUNICATIONS

Mayday = Distress



Apprentice Safety 5.c



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RADIO COMMUNICATIONS



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RADIO COMMUNICATIONS

Pan Pan = Urgency



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RADIO COMMUNICATIONS

Security = Hazard



Apprentice Safety 5.c



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STATION BILL

What if?



What if?

[OBJ]



What if?



What if?

Ordinary Safety 5.c & 5.d



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STATION BILL

Officer of the Deck - OOD

Purpose: To be responsible for navigation, control of and safety of the ship.



Ordinary Safety 5.c & 5.d



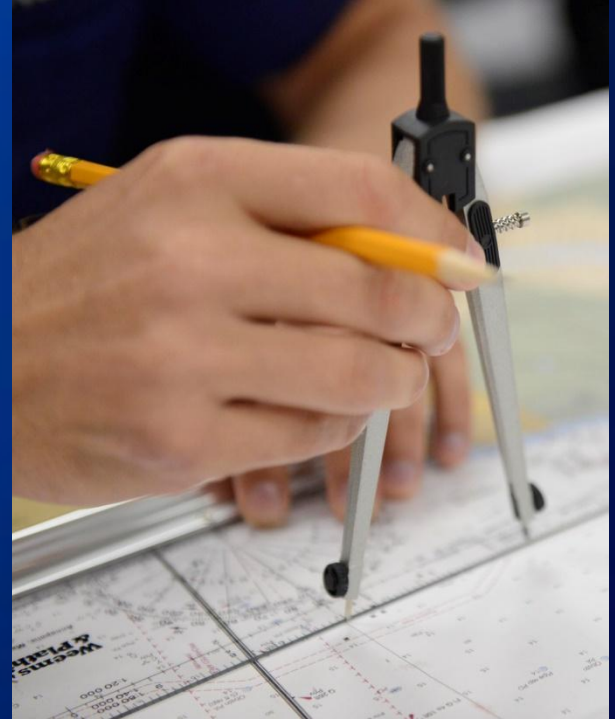
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STATION BILL

Navigator

Purpose: To be aware of the boat's position at all times



Ordinary Safety 5.c & 5.d



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STATION BILL

Helmsman

Purpose:
To steer the boat
and stay on course.

[OBJ]



Ordinary Safety 5.c & 5.d



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STATION BILL

Lookout

Purpose:
Report obstacles or
conditions that may ^[OBJ]
threaten the vessel.



Ordinary Safety 5.c & 5.d



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STATION BILL

Deckhands

Safely perform tasks
essential to running
and maintaining the
vessel.

[OBJ]



Ordinary Safety 5.c & 5.d



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STATION BILL

Officer of the Deck - OOD

Responsibility:
Man Overboard: In command.
Fire: In command.
Collision: In command.



Ordinary Safety 5.c & 5.d



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STATION BILL

Navigator

Navigator Responsibilities

MAN OVERBOARD	FIRE	COLLISION
<ul style="list-style-type: none">• Mark position.• Prepare to make the appropriate emergency call.	<ul style="list-style-type: none">• Mark position.• Prepare to make the appropriate emergency call.• Have abandon ship bag ready.	<ul style="list-style-type: none">• Mark position.• Prepare to make the appropriate emergency call.• Have abandon ship bag ready.

Ordinary Safety 5.c & 5.d



BOY SCOUTS OF AMERICA



STATION BILL

Helmsman

Helmsman Responsibilities

MAN OVERBOARD	FIRE	COLLISION
<ul style="list-style-type: none">• Begin recovery maneuvers under the direction of the OOD.	<ul style="list-style-type: none">• Reduce speed.• Put fire on the lee side under the direction of the OOD.	<ul style="list-style-type: none">• Follow maneuvering commands of the OOD.

Ordinary Safety 5.c & 5.d



BOY SCOUTS OF AMERICA



STATION BILL

Lookout

Lookout Responsibilities

MAN OVERBOARD	FIRE	COLLISION
<ul style="list-style-type: none">• Point to the person in the water. Do not lose sight of them.	<ul style="list-style-type: none">• Keep watch.	<ul style="list-style-type: none">• Keep watch.

Ordinary Safety 5.c & 5.d



BOY SCOUTS OF AMERICA



STATION BILL

Deckhands

Deckhand Responsibilities

MAN OVERBOARD	FIRE	COLLISION
<ul style="list-style-type: none">• Throw flotation into the water.• Be quick to follow all instructions regarding sails, etc.• Prepare to assist in recovery.	<ul style="list-style-type: none">• Pinpoint location, type, size of fire.• Shut off fuel supply – engine, stove valves.• Attack with the appropriate fire extinguisher.• Continually update the OOD.	<ul style="list-style-type: none">• Check for injuries, report to the OOD.• Get into life jackets.• Check for damage, report to the OOD.• If needed, rig collision mats.



VISUAL DISTRESS SIGNALS



Apprentice Safety 5.b



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VISUAL DISTRESS SIGNALS

EXEMPTIONS FROM DAY SIGNALS

- Less than 16 feet in length
- Participating in organized event
- Open sailboats with no propulsion machinery
- Manually propelled boats



NOTE: If operating at night, must carry night signals.

Apprentice Safety 5.b



BOY SCOUTS OF AMERICA



VISUAL DISTRESS SIGNALS

Pyrotechnic - Day and Night

Device #	Description	Required
160.021	Handheld red flare (500 candela)	3
160.028	Pistol launched parachute red distress signals	3
160.036	Handheld rocket-propelled parachute, red (20,000 candela)	3
160.066	Red aerial pyrotechnic flare (10,000 candela)	3

Apprentice Safety 5.b



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VISUAL DISTRESS SIGNALS

Pyrotechnic - Day Only

Device #	Description	Required
160.022	Floating orange smoke distress signals	3
160.037	Handheld orange smoke distress signals (50 seconds)	3
160.057	Floating orange smoke distress signals (15 minutes)	3

Apprentice Safety 5.b



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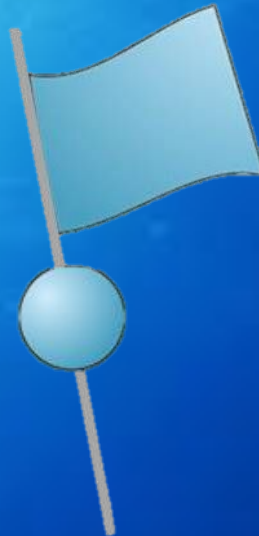


VISUAL DISTRESS SIGNALS

Non-Pyrotechnic - Day Only



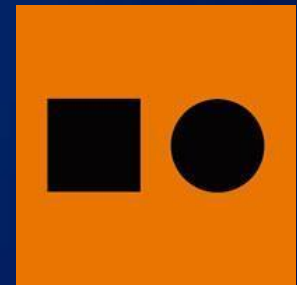
Arm Signal



Ball Over or
Under a
Square



November
Over
Charlie



Distress
Cloth

Apprentice Safety 5.b



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VISUAL DISTRESS SIGNALS

Non-Pyrotechnic – Night Only

- No expiration
- Safe to operate
- Visible 10+ nautical miles
- Automatically flashes the international SOS signal



Apprentice Safety 5.b



BOY SCOUTS OF AMERICA



To Summarize



BOY SCOUTS OF AMERICA



Safety Equipment

- Life Jackets
- Radios
- Visual Distress Signals
- Sound Distress Signals
- First Aid Kit
- Fire Extinguisher





Useful Documents

- **GAR**
- Vessel Safety Checklist
- Float Plan
- Packing List
- Part A, B, C
- Navigation Rules International and Inland
- Radio Communications Sheet
- Station Bills

