Emergency Procedures
Objectives

- Identify likely causes of casualties
- List tools needed to fight casualties
- Identify immediate actions, follow-up actions and possible impact on boat.
Avoidance

- Be prepared
- Avoidance
  - Training
  - Material condition
  - Planning
Rousmaniere’s Seven Factors (to avoid)
Know your backups, and never run out of backups

When something goes really wrong, it’s usually the result of a compound failure
Approach to Casualty Action

- Immediate Actions
- Evaluate
- Call for help as indicated
Sailing Emergencies

- Grounding
- Steering Failure
- Rigging Failure (Dismasting)
- Flooding
- Fire
The Navy Comes Ashore At Wasque

The sloop Fearless from the Naval Academy at Annapolis, racing in the Edgartown Regatta, ran aground on a sandbar off Wasque Point, and there it stuck. Whoops.
Grounding
Indications
Grounding - Immediate Actions
Grounding- Self Rescue

- Flooding?
- Accept a tow
- Use Sails/Engine
- Wait
- Kedge with anchor*
Steering Failure

- Control Sails
- Avoid gybing
- Repair or Rig Alternate Steering Mechanism
Steering Failure
Rigging Failure - Immediate Actions

- Broken Shroud
Rigging Failure

• Broken Headstay
Rigging Failure-Immediate Actions

- Broken backstay
  - Probable dismasting
Rigging Failure - Immediate Actions

- Dismasting
Rigging Failure-Dismasting

- Subsequent Recovery
Severe Flooding

• If you detect flooding...
Severe Flooding

- Pumps and Buckets
- Ensure Bilge is Clear
Leaks

- Monitor bilge (log)
- Investigate
- Consider engine salt water system
- Close non-essential sea cocks
  - Check head intake
- Check stuffing box
Fire

• Sources onboard

• Fight fire; set reflash watch
Fire Classes and Extinguishing Agents

A
B
C
D
Engine Fires- Halon

- If engine shuts down without warning suspect a halon discharge

- Allow to cool before opening engine compartment
Distress Signalling

- EPIRB
- Flares and Smokes
- Radio Signals
  - Mayday Mayday Mayday Mayday
  - Describe Situation
  - Describe boat important features
  - Repeat
Objective Review

- What are the likely causes of casualties?
- What tools are needed to fight casualties?
  - flooding, grounding, fire, dismasting, rigging failure, steering, abandon ship
- What are the immediate actions, follow-up actions and possible impact on boat due to casualties?
QUESTIONS?