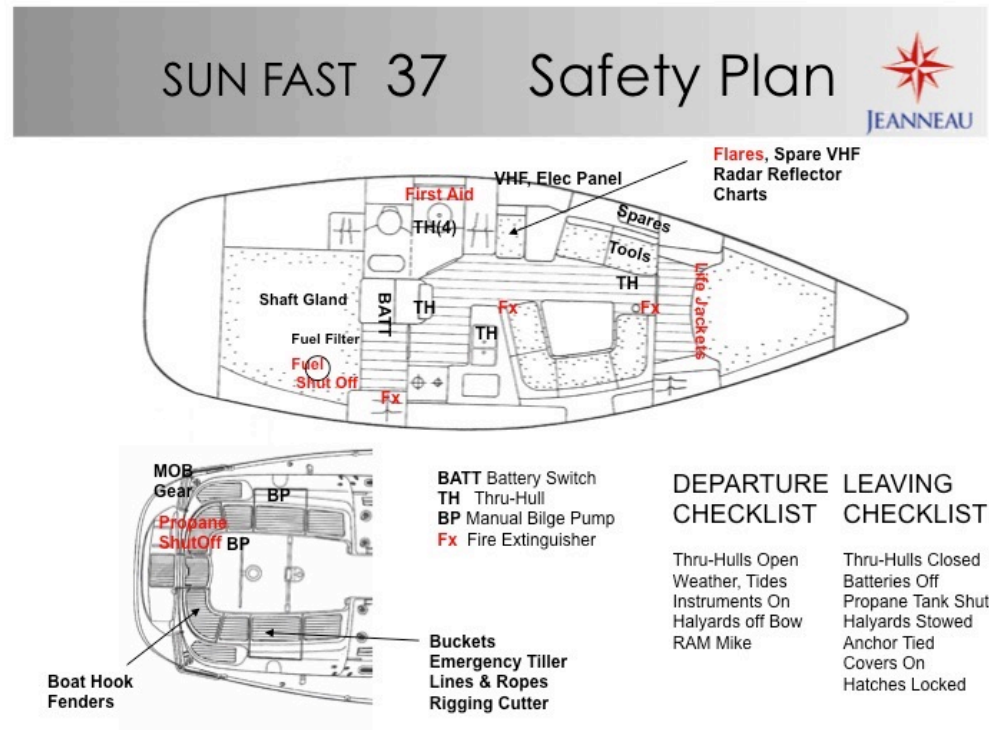
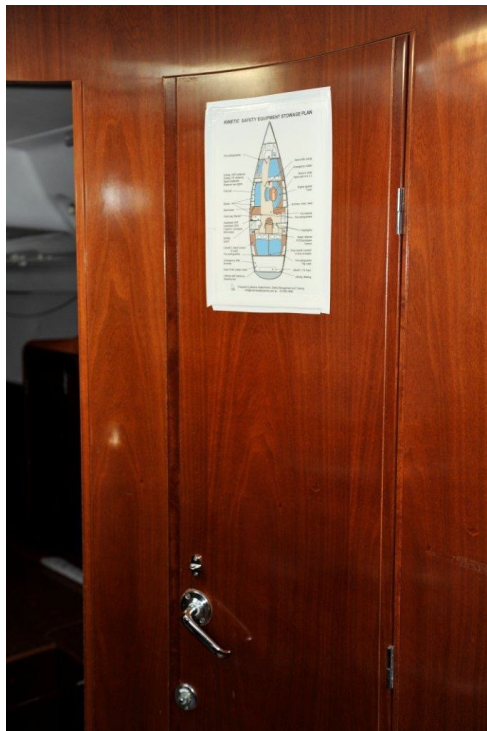




Well Found Boat and Crew

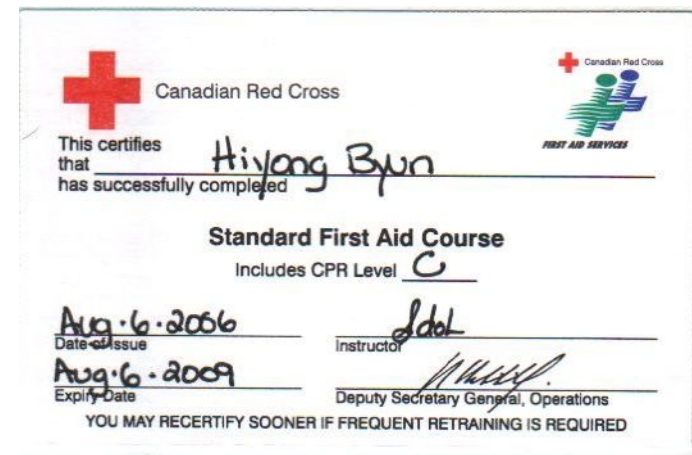
4.12 Equipment Location Chart

- Waterproof, Displayed in Main Cabin
- One for safety, one for provisions



Sec. 6 Training

- 2/3 of crew with 2 day-ISAF Safety at Sea training – would prefer to have 100%
- Min of 2 to have Senior First Aid certification
- Certified practice of Quick Stop MOB drill

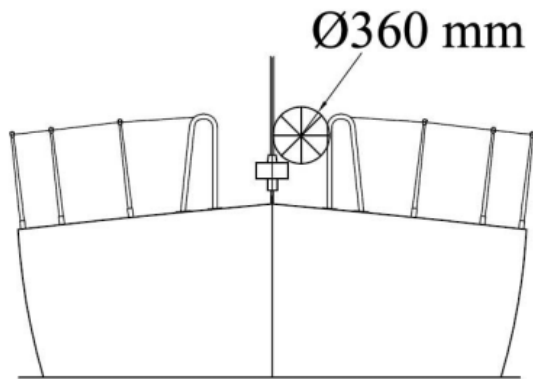




Keep Crew on the Boat

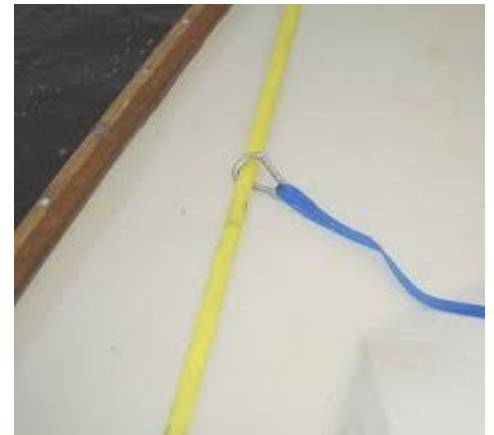
3.14 Lifelines

- Should be uncoated stainless wire – Taught
- Check diameter requirements
- Height, Spacing of stantions, Openings



4.04 Jackstays and Clipping Points

- Strongly attached, 3/16 1x19 uncoated wire
- Clipping points at work stations for 2/3 crew
 - Helm, winches, mast base, gooseneck
 - Comfortable for working when clipped on
 - Do not rely on Jacklines



4.22 Deployable Gear

- Lifebuoy with whistle, drogue, self igniting strobe - Within reach of helmsman
- 2nd Lifebuoy or Lifesling
- Labelled with Boat Name



Sec. 5 Personal Gear

- PFD to ISO 12402, Harness to ISO 12401
 - Whistle, reflect tape, crotch strap, spare inflation cylinder, SOLAS light, safety tether, sprayhood, AIS-PLB Sprayhood, PLB are recommended



Tested in presence of
Skipper

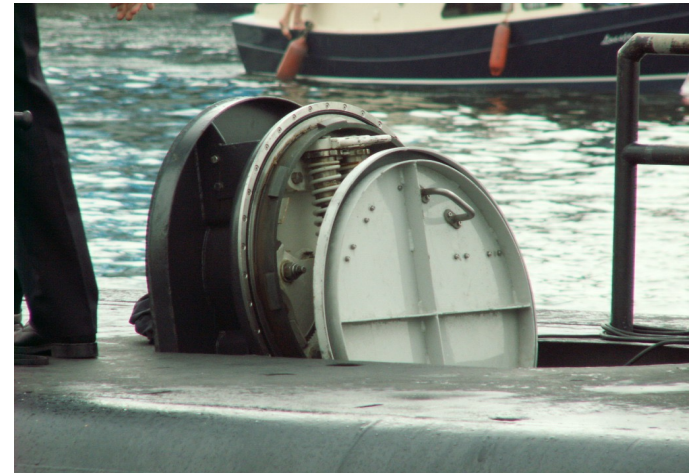




Keep Water Out

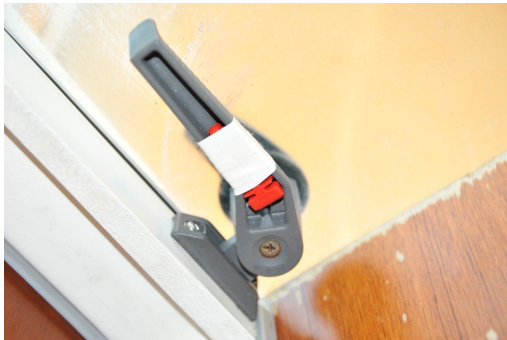
3.08 Hatches

- Size and location
 - Forward of max beam, coach-roof, <110 in²
 - Above water at 90° and and firmly shut at 180°
 - Location and Labeling of inward openers



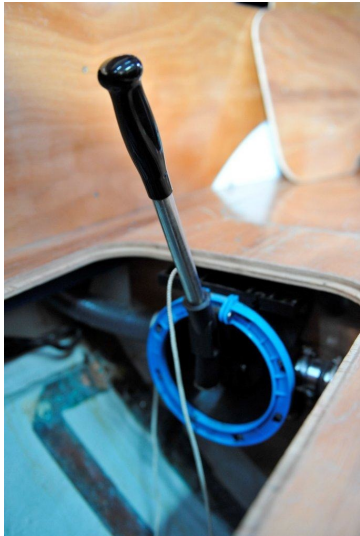
3.08.4 Companionway

- Operated and secured from inside and outside
- Not extend below local sheerline



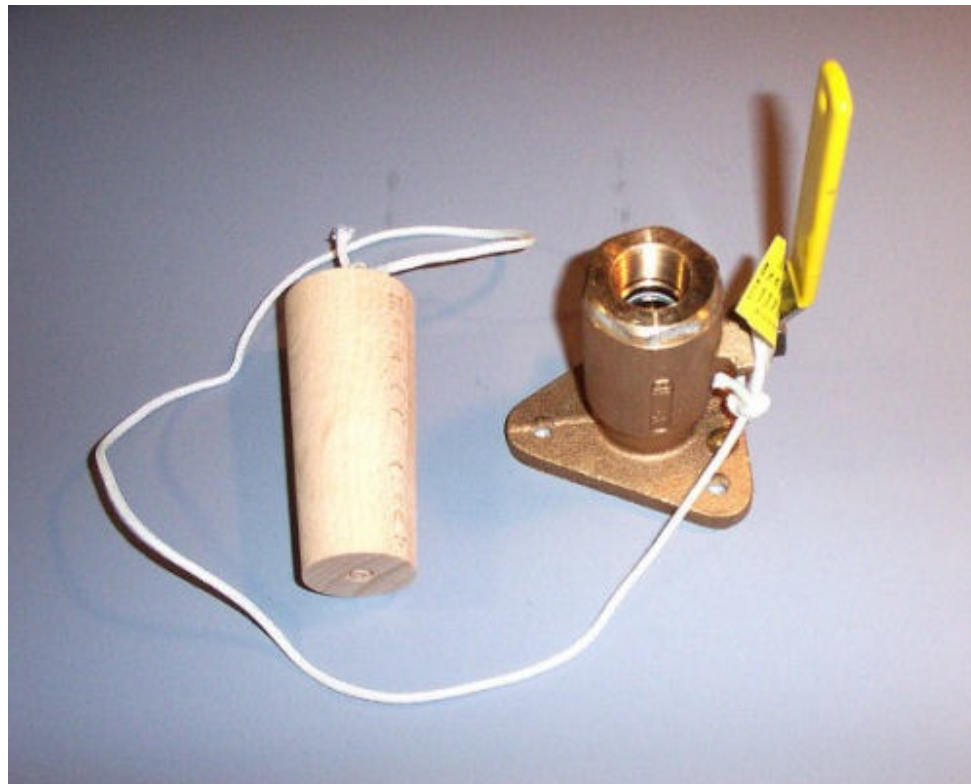
3.23 Bilge Pumps

- 1 Pump operated below & 1 from cockpit
- Handles on lanyards or permanently attached
- Discharge independent of cockpit drains
- Access to pick-up or strum box



4.03 Thru Hull Plugs

- 1 tapered, wood plug for each through hull attached or stowed immediately beside

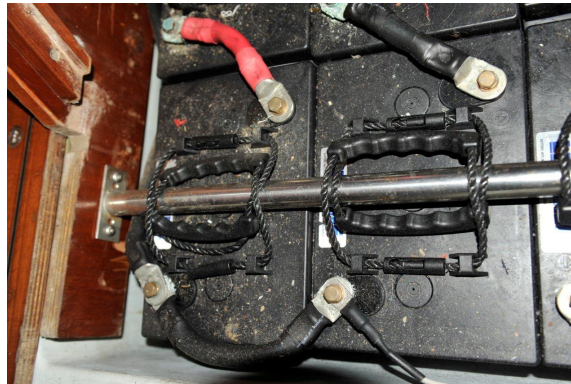
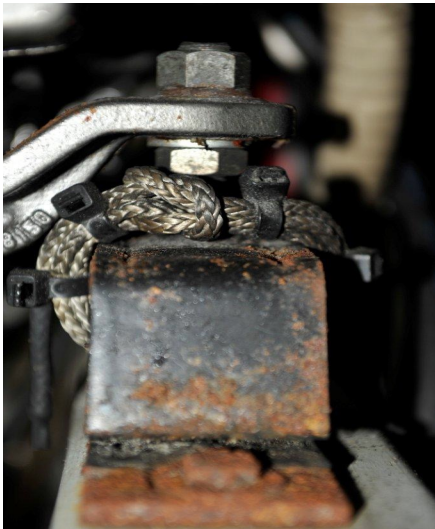




Keep Things from Flying

2.03 b) Heavy, Moveable Items Secured

- What goes flying if boat goes 90°
- Engine, Floorboards, batteries, stoves, fuel bottles, fuel and water tanks, anchors and chain, toolboxes, locker covers



3.12 Mast Step

- Bottom of mast fastened to mast step



3.22 Handholds below

- Adequate, strong hand-holds to allow movement
- Crew safety plan for working below deck
 - Galley, nav Station, head, making repairs





Deal with Damage

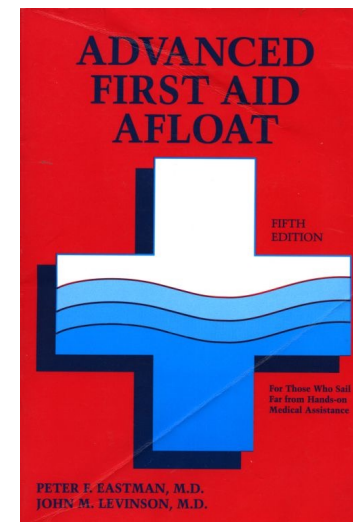
4.05-4.16 Boat Safety Gear

- The good seamanship items:
 - Spare nav lights, Handheld VHF & emerg antenna, Anchors, Fire Extinguishers, Flashlights, Tools & Spares, Rigging Cutter, Mast Climbing Gear, Foghorn, Heaving Line, Cockpit Knife
 - Charts and Light List – paper for bail-out ports



4.08 First Aid Kit

- Based on likely conditions, duration of the passage, and number & condition of crew
 - Check Info for Racers for recommendations
- Carry 1 of 4 specified manuals



4.15 Emergency Steering

- Spare tiller AND alternate means of steering
 - Room for innovation, but need to demonstrate that it works. Practice is essential.
 - Contemplate loss of directional stability





Being Seen



3.29 Communication Equipment

- 25W VHF with DSC and MMSI
- Strongly recommend 125 W SSB radio with permanently installed antenna and ground
- If no SSB, then 2 “approved” Sat Phones
- Tested in bad conditions, proven Email integration



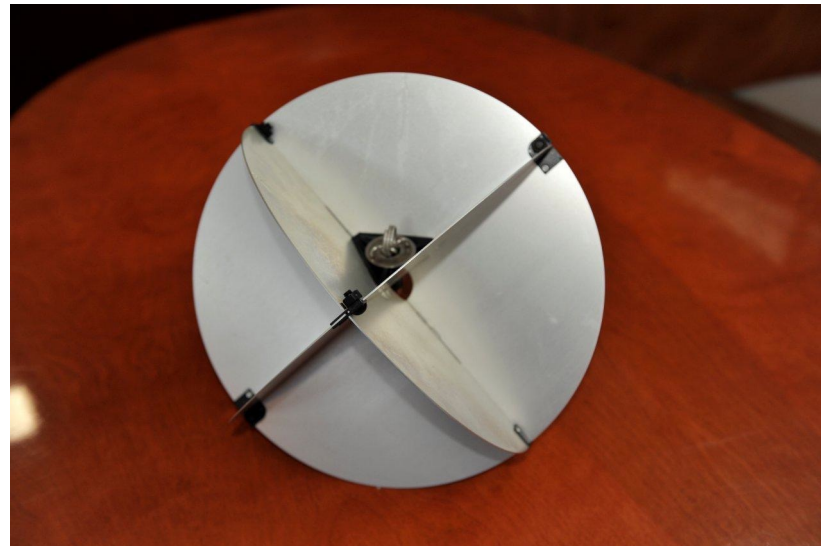


3.29 (f) AIS

- Transponder or Transceiver, Not just Receiver
- No specification whether Class A or Class B
 - Class A – always on, not hideable by commercial traffic
- Still no guarantee that you will be seen
 - No one may be watching

4.10 Radar Reflector

- Octahedral – Circles dia. $>12''$; Cross section $> 2 \text{ m}^2$
- To fly or not to fly? If so, 13 ft above WL



-
- | Flare Type | Height (ft) | Duration (min) |
|--|-------------|----------------|
| Orion Handheld Orange Smoke Signal - USCG | 1500 | 4.5 |
| Comet 3 Smoke Signal - SOLAS | 1300 | 4 |
| Orion Floating Smoke Signal - SOLAS | 1100 | 3.5 |
| Pains Wessex Lifemoke M8 - SOLAS | 900 | 3 |
| **Pains Wessex Day/Night Signal (Smoke) | 700 | 2.5 |
| **Pains Wessex Day/Night Signal (Flare) | 500 | 2 |
| **Pains Wessex White Cellulose Hand Flare M8 | 300 | 1.5 |
| **Orion White Handheld Signal | 300 | 1 |
| Pains Wessex Red Hand Flare M8 - SOLAS | 300 | 1 |
| Orion Red Handheld Flare - SOLAS | 300 | 1 |
| Comet Red Hand Flare - SOLAS | 300 | 1 |
| Orion Handheld Red Locator Flares - USCG | 300 | 1 |
| Orion Pocket Rocket Red Aerial Flare - USCG | 300 | 1 |
| Orion 25mm Red Aerial Flare - USCG | 300 | 1 |
| Orion 12 Gauge Red Aerial Flare - USCG | 300 | 1 |
| Orion Signalizer Red Aerial Signal - USCG | 300 | 1 |
| Orion Red Parachute Signal Rocket - SOLAS | 300 | 1 |
| Comet Red Parachute Signal Rocket - SOLAS | 300 | 1 |
| Pains Wessex Para Rocket M8 - SOLAS | 300 | 1 |
| Orion 25mm Red Aerial Parachute Flare - USCG | 300 | 1 |

4.26 Storm Sails

- Storm Trysail and Storm Jib with sail numbers
- Visibility requirements
- Sheeting Positions
- Demonstrate setting them





Ready to Abandon Ship

4.19 EPIRB

- Registered, tested, Battery expiry > Aug 2016
- Water AND manually activated
- Emergency contact NOT V-M organizers



4.20 Liferaft

- Certification and Recently Serviced to:
 - SOLAS, ISO 9650-1, OSR (ORC) or (ISAF)
 - 24 hr Pack (B Pack)
 - Insulated floor recommended
- Storage Location:
 - **BEST: Canister on deck, transom or cockpit**
 - OK: In a watertight or self draining locker;
 - NOT: Below (only if < 40 Kg and boat > 15 yrs. old)
- Permanently tethered
- Deployment within 15 sec.



4.21 Grab Bag

- Recommended Contents
- Need not duplicate items in Liferaft pack





Topics of Interest

- RC communication by email
- DSC capability for SSB/HF radios
- Use of AIS transmitter, sharing VHF antenna, radar reflector
- Appropriate charts
- Grab bag contents
- List of Safety Inspectors



Consultation Process

- Start Preparations Now
- By March 31/16 – Make Appointment for Consultation by email or on-line
- Complete Consultation by May 30/16
 - Some documents must be filed with RC
- Submit signed Appendix B by Jun 19/16
- Confirmation of completion of any remaining deficiencies prior to Start



Environmental Stewardship

- Rule 50 – Boats shall not intentionally put trash in the water
 - Vic-Maui exceptions: Organic food waste & Bio-degradable bands from spinnakers
- Illegal to discharge plastic anywhere
 - If you've sailed to Hawaii, you know why
- Control boat discharges
 - Keep bilge clean, use absorbent sheets
 - Eco-certified cleaners
 - Garbage Plan



Questions

We encourage questions:

1. Your mentor
2. Email to tc-chair@vicmaui.org