

SAFETY EQUIPMENT AND PREPARATION

S/V Odette

USA 5619

Odette5619@gmail.com

COMMUNICATION PREPARATION

Dedicate dock time for crew to familiarize themselves with all communication equipment:

- VHF: Walk through triggering Digital Selective Calling on VHF.
- Sat Phone: have everyone, or at least watch captains, make test calls to ensure familiarity with operations.
- Other devices: In Reach or others, make sure someone other than you knows how to use them.

COMMUNICATION PROTOCOLS

- Have Vessel Information at hand. Post Identifying information at the Nav Station:

S/V Odette VHF and SAT PHONE Communications

Callsign: WDH9763

MMSI: 367671360

USCG Official Number: 1264953

COMMUNICATION PROTOCOLS

RADIO

- Radio Communications – Emergencies

BROADCAST VHF Channel 16

Create a call script and instructions so anyone at the nav desk can make proper distress calls.

COMMUNICATION PROTOCOLS

DIGITAL SELECTIVE CALLING (DSC)

Odette's on-board radio and handheld VHF are equipped with Digital Selective Calling (DSC). A DSC Distress Call automatically transmits our vessel's name, description, and position to any DSC-equipped vessel or Coast Guard station within range.

Used in any situation when you would call a MAYDAY alert

COMMUNICATION PROTOCOLS

DSC

- Transmitting a DSC Distress Call:
- Lift Red Protective Distress cover on On-Board Radio or Handheld VHF. (On-Board radio has greater range.)
- [If time does not permit, skip this step]. PRESS AND RELEASE Button under cover. Scroll to select one of the available emergency categories, which include sinking, adrift, piracy and man overboard.
- PRESS AND HOLD Red Distress Button for 3 Seconds.
- WHEN THE DISPLAY SHOWS THAT THE MESSAGE HAS BEEN RECEIVED, AN ALARM SOUNDS TO IDENTIFY THE RESPONDING VESSEL.
- GO TO MAYDAY INSTRUCTIONS.

COMMUNICATIONS PROTOCOL

DSC

- **RESPONDING TO A DISTRESS CALL RECEIVED VIA DSC:**
- Press the AIS/IC button. This silences the alarm, sends
- identifying information to the transmitting vessel, and switches the radio to channel 16
- When do you respond?
 - Only after it is clear no other vessel will respond.

COMMUNICATIONS PROTOCOL

MAYDAY

- **Mayday Calls for help in life-threatening emergencies, including sinking, fires, piracy, major collisions, and man overboard situations.**
- **Tune Radio to Channel 16**
- **Press and hold the microphone's talk switch**
- **Speak in a normal voice**
- **MAKE THE CALL:**
- **MAYDAY MAYDAY MAYDAY**
- **THIS IS ODETTE, ODETTE, ODETTE – (Call Sign) WHISKEY DELTA HOTEL 9763**
- **MAYDAY -- THIS IS ODETTE**

COMMUNICATIONS PROTOCOL MAYDAY

- GIVE POSITION:
-
- OUR POSITION IS
- LATITUDE: NORTH _____/LONGITUDE: WEST _____
-
- OR: GENERAL LOCATION/BEARING AND DISTANCE FROM A CHARTED OBJECT
-
- DESCRIBE SITUATION BRIEFLY AND ASSISTANCE NEEDED

COMMUNICATION PROTOCOL MAYDAY

- DESCRIBE VESSEL AND # OF PEOPLE ON BOARD
- WE ARE A 56 FOOT SAILING VESSEL, SLOOP RIG, BLUE HULL, BOTTOM IS BLUE
- WE HAVE ____ (#) PEOPLE ON BOARD
- WE HAVE ____ PERSON IN NEED OF MEDICAL ATTENTION (DESCRIBE BRIEFLY)
- SIGN OFF:
- “OUT”
- Wait 10 seconds for acknowledgement of your call. If there is none, repeat the mayday call.

COMMUNICATIONS PROTOCOL

PAN-PAN & SECURITE

PAN-PAN – URGENT ALERT

Pan-Pan (pronounced pahn-pahn): The vessel or a person on board needs urgent assistance but there is no immediate danger to life or to vessel. Captain/crew capable of managing situation for time-being. Examples: vessel taking on water but not at risk of sinking immediately; engine/steering failure in shipping channel; man overboard but recoverable by crew; fouled propeller; out of fuel; serious injury/need medical assistance.

COMMUNICATIONS PROTOCOL PAN-PAN & SECURITE

SECURITE – SAFETY ALERT

Securite (pronounced say-cure-i-tay): There is something wrong that could result in danger to other vessels (potential safety risks, navigation hazards or weather warnings).
Examples: navigation aids not working or out of position; floating objects; navigation lights not working; engine or steering failure.

COMMUNICATIONS PROTOCOL PAN-PAN & SECURITE

- MAKE THE CALL:
- SECURITE SECURITE SECURITE (OR PAN-PAN PAN-PAN PAN-PAN)
- THIS IS THE SAILING VESSEL ODETTE
- GIVE POSITION/COURSE/SPEED:
- OUR POSITION IS
- LATITUDE: NORTH _____/LONGITUDE: WEST _____
- HEADING _____ AT _____ KNOTS

COMMUNICATIONS PROTOCOL PAN-PAN & SECURITE

- DESCRIBE SITUATION BRIEFLY
-
- SIGN OFF:
-
- “OUT”
-
- REPEAT AT REGULAR INTERVALS OR RESPOND TO COAST GUARD INSTRUCTIONS

COMMUNICATIONS PROTOCOL

GENERAL HAILING AND USAGE

Channel 16 - Distress calling and safety, ship-to-ship and ship-to-coast. Users must switch to a "working" channel after making initial contact (except in emergencies). All vessels must monitor Channel 16 when not using the VHF radio for other purposes.

Channel 09 - Secondary calling channel (a new FCC Rule has designated Channel 9 as the preferred channel for calling). The purpose of this change is to free Channel 16 for distress calls.

Channel 06 - Ship-to-ship safety messages, and communication with search and rescue and Coast Guard vessels and aircraft.

COMMUNICATIONS PROTOCOL

GENERAL HAILING AND USAGE

- **Channel 13** - Ship to bridge or lock master, ship to tender calls. Commercial vessel use primarily. One watt of power, used for close in communicating.
- **Channel 22a** - Used to speak with Coast Guard after initial contact on Channel 16.
- **Channels 68, 69, 71, 72** – non-commercial use.

COMMUNICATIONS PROTOCOL

SATELLITE PHONE

- **Odette Satellite Phone Number: 870 773 400 193**
- **To dial: 00 + country code + phone number, press button with phone icon ("Off hook" button)**
- **Common Country Codes:**
- **United States and Canada: 1**
- **Bermuda: 1-441**
- **United Kingdom: 44**

COMMUNICATIONS PROTOCOL

SATELLITE PHONE

Coast Guard Rescue Coordination Centers (RCC's):

- Atlantic SAR: 757-398-6700
- RCC Boston: 617-223-8555
- RCC Norfolk: 757-398-6231
- RCC Miami: 305-415-6800

Bermuda Maritime Operations Center: 441-297-1010

COMMUNICATIONS PROTOCOL

SHORE CONTACTS

- 1) Shore Point of Contact:
- Name
- Phone Number
- email [first and preferred method of contact]
- 2) Tracking: your friends/family/shore contact may track our progress here: <https://share.delorme.com/Odette>.

COMMUNICATIONS PROTOCOL

SHORE CONTACTS

- 3) Communications Protocol:
 - a. Odette carries a Delorme In Reach communicator. This provides our position information via the link above. You can also share the yb race tracker information. I will update _____ as to our status via text message at least once daily. Please note the delorme and text updates should be considered as a convenience only and not indicative of the status of us or the vessel
 - b. If you have a PLB, you may not use this as a method of sending your status to any shore contact
 - c. If your shore contact has any questions, they should reach out to _____, via email first. She will have our most recent status. If the delorme device fails, I will update _____ via Sat Phone. Under no circumstances should your contacts reach out to the Coast Guard or other search and rescue personnel.

COMMUNICATIONS PROTOCOL

SHORE CONTACTS

- d. If we have an emergency, _____ will be notified of details by text/sat phone and she will communicate with necessary parties.
- e. If we suffer a catastrophic failure, _____ will be notified as above, the EPIRB will be launched as necessary, and the In Reach SOS function can be activated. Communications to search and rescue by any-one other than Jennifer or via Odette's communication systems will only confuse and hamper rescue operations.

COMMUNICATIONS PROTOCOL

SHORE CONTACTS

Suggestions for Shore Contacts:

- don't create the expectation you will communicate with them via text messages
- do not create the expectation that they can call your sat phone or that you will call them.
- Create only the expectation that you will communicate with your shore contact as necessary, and that your shore contact will have any necessary information.

SAFETY GEAR

WHAT DO WE DO WITH IT?

- 1) HAVE A SAFETY BRIEFING BEFORE EACH PASSAGE.
- 2) MAKE SURE EVERYONE KNOWS WHERE THE GEAR IS AND WHAT TO DO WITH IT.
- 3) CREATE EMERGENCY TEAMS:
 - RIG TEAM: WHO WILL CUT DOWN THE RIG
 - DAMAGE CONTROL TEAM: Hull Breach Etc.
 - Comms Team: Manage and Log communications
 - Evacuation Team: Ditch Bag, EPIRB, Life Raft

SAFETY GEAR

WHAT DO WE DO WITH IT?

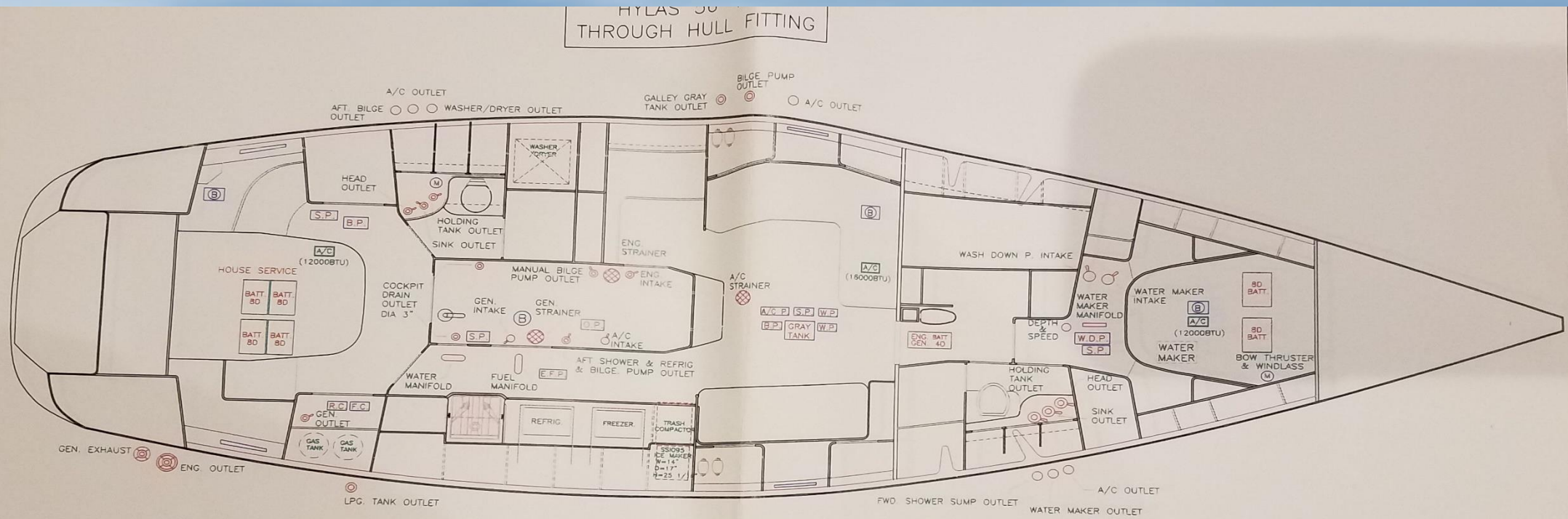
MAN OVERBOARD

PRACTICE, PRACTICE, PRACTICE

EMERGENCY STEERING

PRACTICE, PRACTICE, PRACTICE,
DROGUE?, BUCKETS?, MAKE-SHIFT TILLER?

SAFETY DIAGRAM



01		MANUAL PUMP	10		BLOWER	19		HOLDING TANK DECKPLATE	28		ENG. FUEL PUMP
02		FRESH WATER PRESSURE PUMP	11		VENTED LOOP	20		WATER DECKPLATE	29		GEN. FUEL PUMP
03		PRESSURE GAUGE	12		SHOWER DRAIN	21		DIESEL DECKPLATE	30		OIL CHANGE PUMP
04		SUMP PUMP	13		FUEL FILTER	22		3/4" THRU HULL FITTING	31		WATER MAKER PUMP
05		MACERATOR PUMP	14		SHOWER	23		1" THRU HULL FITTING	32		AIR COND. PUMP
06		DECK WASHDOWN PUMP	15		THREE WAY VALVE	24		1 1/4" THRU HULL FITTING	33		STRAINER
07		BILGE PUMP	16		1" COCK	25		1 1/2" THRU HULL FITTING	34		REF. COMPRESSOR
08		CHECK VALVE	17		1 1/4" COCK	26		3" THRU HULL FITTING	35		VACUUM TANK PUMP
09		VACUUM TANK	18		1.5" COCK	27		FAUCET	36		FILTRATION

DITCH BAG

- Build it
- Create an Inventory List
- Maintain It

FIRST AID KIT

- Buy It/Build It
- Create an Inventory List
- Maintain it