

3120  
DNAS OPOORDER 18/001  
06 Mar 18

From: Director, Naval Academy Sailing  
To: Distribution

Subj: 2018 SAFETY AT SEA SEMINAR OPERATIONS ORDER 18/001

1. Purpose. To promulgate the Operations Order for the 2018 Safety at Sea Seminar (SASS), to be held 24-25 March 2018.
2. Mission. The SASS presents safety-related information to midshipmen, Sailing Department staff, volunteers, and the general public. The program includes lectures, optional hands-on practical sessions, and an on-the-water demonstration.
3. Area of Operations. Lectures will be presented in Alumni Hall on Saturday, 24 March, with the on-the-water demonstration occurring on the Severn River adjacent to the Sailing Center mid-day Saturday. USCG SAR helicopter will hover over the Chesapeake prior to their on-the-water demonstration Saturday (weather dependent), and return to base at end of demo. Lectures will be held in Alumni Hall and Luce Hall Sunday, 25 March, with hands-on training in Macdonough and Lejeune swimming pools.
4. Conduct of Operations.
  - a. Schedule of Events. The SASS will be conducted per the timeline defined in Appendix A.
  - b. On-the-Water Demonstration. The on-the-water demonstration will include man-overboard (MOB) recoveries, life raft launching, the helo rescue demonstration and a safety flare display. Waterborne assets will include two Navy 44' Sail Training Craft (STC), one 50' USNA chartered STC, one 52' USNA chartered STC (static storm sails display) and one rigid hull inflatable boat as safety boat. The sequence of events is promulgated in Appendix B. Vessel traffic on the Severn River will be blocked off per USCG Marine Event Permit in conjunction with two Annapolis USCG patrol craft.
  - c. Practical Sessions. The practical sessions are optional for participants on Sunday to include in-pool demonstrations of life rafts and life jackets.
  - d. Personnel. The Sailing Department staff, members of the Varsity Offshore Sailing Team (VOST), and the Vandergrift Cuttershed duty section will support the SASS. A list of assigned duties and responsibilities is contained in Appendix C.
  - e. Communications. All SASS-related communications between Naval Academy assets for the on-water demonstrations will be conducted via VHF radio, channel 82A. Radio checks will be conducted by making "manned and ready" reports to Santee Basin Control at 1130. All waterborne assets will guard channel 82A. Call signs and additional communications procedures are contained in Appendix D.

f. Safety Equipment. Vandergrift Cutter Shed personnel will stage safety gear required for the Alumni Hall static display, in-pool demonstration, and the on-the-water demonstration. Appendix E details specific gear required for each event.

g. Accountability. VOST midshipmen, along with prospective volunteer Skippers and XOs, are required to attend all of the morning and afternoon sessions on Saturday, 24 March. Midshipmen assigned to the Offshore Sail training Squadron (OSTS) for summer training 2018 are required to attend from 0800-1315. Accountability procedures are discussed in Appendix F.

h. Operational Risk Management. Certain components of the Safety at Sea Seminar could present unacceptable risks if not adequately controlled and supervised. Appendix G addresses specific risks and their mitigation.

i. Uniform. VOST and OSTS midshipmen attending are authorized to wear navy blue polo shirts over khaki trousers. Unless otherwise directed, only navy blue jackets or sweaters will be permitted. In case of inclement weather, Navy Sailing red foul-weather gear may be worn by the on-water demonstration crew.

5. There is no foul-weather contingency date for the on-the-water demonstration. The Director, Naval Academy Sailing, may cancel evolutions at any time if conditions develop that pose a potential safety hazard.



M. L. McCLURE

Distribution:

PRODEV  
Scheduling Office  
DNAS, DDNAS, OSTS Dir, VOST Dir  
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USNA EOC  
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USNA Fire Dept  
USCG Sector Baltimore, AirSta Atlantic City, Annapolis

## APPENDIX A TO DNAS OPORDER 18/001 - TIMELINE

### TBD March 2018

TBD DNAS brief Commandant.

### Monday, 12 March 2018

1200 LT Vernam – Call NSA Annapolis to confirm exhibitor entry on contractor passes, for their set up 23 Mar from 1900-2030, and 24 Mar from 0600-0730.

Call Midshipman Food Service Department (MFDS) to request extended meal hours or box lunches for three VOST boat teams' lunch on Saturday.

### Monday, 19 March 2018

1500 Mr. Tihansky – Ensure seven fully charged hand-held radios and five survival suits are ready at the Robert Crown Center for MOB practice.

Ms. Mehl – confirm podium, mic, speakers and bleachers from IAP. Confirm all speaker presentations are delivered to Alumni Hall to load onto laptop.

### Tuesday, 20 March 2018

0800 BMC Hock - Brief Cutter Shed duty section personnel assigned for Saturday and Sunday on SASS support requirements.

1200 LT Vernam - Call Midshipman Food Service Department (MFSD) to verify extended meal hours or box lunches. Call Yard Security to request traffic cones after 1700 Thursday to block off seawall at Robert Crown for bleacher set up for on-water demo.

### Friday, 23 March 2018

0900 Cutter Shed personnel deliver safety equipment and life rafts to pools at Macdonough and Lejeune, and store stage equipment at Alumni Hall.

1000 IAP – Set up and test public address (PA) system at the Robert Crown Center, set up bleachers at Robert Crown.

1200 Flight brief with DNAS, DDNAS, OSTS DIR, VOST DIR, Vanderstar Chair, USCG Pilot and VOST Midshipman Skipper and USNA Flight OPS officer.

1200 Jon Wright, Renee Mehl, SAS planning committee and volunteers complete registration bag stuffing, Alumni Hall.

1500 Mr. Tihansky – Ensure two fully charged hand-held radios are ready at the Robert Crown Center for dress rehearsal MOB practice.

1600 VOST - On-the-water demonstration rehearsal.

1930 Test PA system in Alumni Hall.

1930 (alt time 0600 Sat) - Duty Section (3 personnel) - Shuttle static displays and gear to Alumni Hall and set up on stage, exhibitor set-up.

1930 BMC Hock – walk thru and discuss with section leader regarding static displays

set up in Alumni Hall.

**Saturday, 24 March 2018**

- 0600 Alumni Hall open, exhibitor set-up.
- 0615 Shuttle busses – Commence runs from the Bladen Street Garage to Gate 3.
- 0645 Commence registration.
- 0800 Opening Remarks from VADM Dixon Smith in Alumni Hall, followed by morning lectures.
- 0800 Duty Section personnel – Verify the rigid inflatable boat (RIB) is operational.
- 1100 Designated VOST Midshipmen - Leave Alumni Hall for the navigation and weather classroom brief. Set up for the storm sails demonstration at the dock. Report to boats and conduct engine checks.
- 1110 LT Vernam and Mr. Tihansky – Issue hand-held radios to all stations. Check in with local USCG support vessels.
- 1130 Mr. Tihansky - All boats underway.  
Mr. Tihansky and DDNAS– underway in RIB as safety boat for MOB swimmers.
- 1235 Ms. Mehl – Communicate with USCG helo on Ch 22A to notify helo of time to commence their exercise. Call on Ch 82A Navy 44 doing flare exercises to wait and get all clear after helo departs before COMEX.
- 1245 Mr. Jon Wright and seminar moderator Chuck Hawley – COMEX on-the-water demonstration.  
LT Vernam – Communicate with USCG patrol boats on Ch 22A to notify them of MOB deployment and recovery.
- 1315 FINEX on-water demonstration. Direct participants to view static display of storm sails on the VOST boat docked in Santee Basin.  
IAP Personnel - Pick up PA system from Robert Crown second deck.
- 1430 Continue SASS lectures.
- 1740 Duty Section (3 personnel) – Muster in Alumni Hall for pick-up of static display items.
- 1730 Shuttle busses - Commence runs from Gate 3 to Bladen Street Garage - busses run until 1900.
- 1730 Reception in Alumni Hall – Bo Coppedge Room.

**Sunday, 25 March 2018**

- 0700 Open Luce and Macdonough Halls.
- 0730 Shuttle busses - Commence runs from Bladen Street Garage to Gate 3.
- 0730 Open Alumni Hall.
- 0830 Opening remarks from moderator Chuck Hawley, Alumni Hall and from Rich Wilson in Luce Hall.
- 0845 Advanced Cruising segment begins, Alumni Hall.
- 0900 World Sailing certificate personal safety course (WS). Practical segment begins in Luce and Macdonough Halls. Includes in-pool life rafts and lifejackets, firefighting theory, jury rigging and electronic communications. Participants divide into four groups and rotate between four classes throughout the day. Firefighting will consist of classroom instruction, and a demonstration at the loading dock area between Luce and MacDonough of a contained electrical short

smoke demonstration.

- 1300 Advanced Cruising practical segment begins, including in-pool life rafts and lifejackets and dewatering demonstration in Lejeune Diving Well.
- 1600 Shuttle busses - Commence runs to Bladen Street Garage - buses run until 1700.
- 1605 Duty Section (3 personnel) – Muster at Alumni and Macdonough/Luce Halls for clean-up and gear return to Cutter Shed.

**Monday, 26 March 2018**

- 0700 IAP Personnel – Pick up bleachers from seawall at RCC.

**Detailed Schedule of Events**

<b>2018 Safety at Sea Seminar</b>		
<b>Saturday</b>	<b>Alumni Hall</b>	<b>Speaker</b>
0800	Naval Academy Opening Remarks	VADM Dixon Smith
0810	Introduction	Chuck Hawley
0830	MOB Prevention and Recovery	Jahn Tihansky and Chi-Mac MOB
0930	USCG Communications and SAR	LT Kellen Brown USCG
1005	Break	
1015	Damage Prevention and Control	Steve D'Antonio
1115	Emergency Medical Care and Hypothermia	Dr Michael Jacobs
1215	On-the-water MOB Recoveries	Hawley/Wright
	Sailing Center	
1315	Lunch - Alumni Hall	
1400	Weather Forecasts and Features	Dr. Gina Henderson/Joe Sienkiewicz
1500	Storm Sails and Heavy Weather	Dave Flynn
1545	Break	
1600	Care and Maintenance of Safety Equipment	Chuck Hawley/Kip Louttit
1645	Keynote	Rich Wilson
1730	Closing Remarks	Chuck Hawley
1740	Reception Bo Coppedge Room	

<b>Sunday</b>	<b>Advanced Cruising Track</b>	
	<b>Alumni Hall</b>	<b>Speaker</b>
0830	Opening Remarks	Chuck Hawley
0845	Navigation as a Seamanship Issue	Matt Benhoff
0930	Ocean Currents and Wind/Wave Dynamics	Lee Chesneau

1015	Break	
1030	Communications and Electronics	Chuck Hawley
1115	Cruise Preparation	John Kretschmer
1200	Lunch	
1245	Meet in Alumni lobby for escort to pool	
1300-1600	In Pool- Life Raft and Safety Gear Training	Chuck Hawley, Matt Benhoff,
	LeJeune Hall pool	Renee Mehl, Jeff Cox, Adam Cove
		Mike Hobson, Dan Rugg
1300-1600	Interactive round table discussions	
	1-Engines and electronics	Rhonda Bollinger/Ryan McQueeny
	2-Weather and Oceanography	Joe Sienkiewicz/Lee Chesneau
	3-Cruise planning and preparation	Dr Jacobs/John Kretschmer

<b>Sunday</b>	<b>World Sailing Racing Track</b>	
0830	Opening Remarks/Safety Ethos	Rich Wilson
rotation	Pool - Personal Safety/Liferafts	Dan O'Connor
rotation	Fire-fighting	Ned Ross
rotation	Communications	Kip Louttit
rotation	Jury Rigging	Pete Carrico/Joe Gibson
1515	Exam	

**Alternate plan if on-water demo is cancelled due to weather**

<b>2018 Safety at Sea Seminar</b>		
<b>Saturday</b>	<b>Alumni Hall</b>	<b>Speaker</b>
0800	Naval Academy Opening Remarks	VADM Dixon Smith
0815	Introduction	Chuck Hawley
0830	MOB Prevention and Recovery	Jahn Tihansky and Chi-Mac MOB
0930	USCG Communications and SAR	LT Kellen Brown USCG
1015	Break	
1030	Damage Prevention and Control	Steve D'Antonio
1130	Emergency Medical Care and Hypothermia	Dr. Michael Jacobs
1215	Lunch - Alumni Hall	
1315	Weather Forecasts and Features	Dr. Gina Henderson/Joe Sienkiewicz
1415	Storm Sails and Heavy Weather	Dave Flynn
1500	Break	
1515	Care and Maintenance of Safety Equipment	Chuck Hawley/Kip Louttit
1600	Keynote	Rich Wilson
1645	Closing Remarks	Chuck Hawley
1700	Reception Bo Coppedge Room	

**NOTE: LT Vernam to notify DNAS, USCG Sector Baltimore and local USCG Station if the on-water portion of the seminar is cancelled due to weather, per Appendix D.**

APPENDIX B TO DNAS OPORDER 18/001 - ON-THE-WATER DEMONSTRATION

SEQUENCE OF EVENTS

1. 1215 COMEX: Introduction
2. 1220 Heaving to/circling demonstration
3. 1225 Quick Stop - Upwind
4. 1230 Quick Stop - Downwind
5. 1235 Fast Return (or Figure Eight or Reach/Reach)
6. 1240 Shorthanded Life-sling Recovery
7. 1250 Life Raft/Immersion Suit Demonstration
8. 1255 USCG Helicopter Rescue Swimmer
9. 1310 Safety Flares Demonstration
10. 1315 FINEX (Break for lunch)

ON-THE-WATER SCRIPT

**1215 COMEX: INTRODUCTION**

**1220. DEMONSTRATE HEAVING TO AND CIRCLING WITHOUT TENDING THE HEADSAIL**

*Boat: Navy 44 MK II, NA-24 Gallant*  
*Skipper: 2/C Cassidy O'Brien of Massapequa, NY*  
*XO: 3/C Hayden Kuzemchak of Ligonier, PA*

**1225 UPWIND QUICKSTOP READ MOB BILL/STANDARD OPERATING PROCEDURE (SOP) ARTICLE 803**

*Boat: Navy 44 MK II NA-22 Integrity*  
*Skipper: 2/C Jay Corbett of Mendham, NJ*  
*XO: 2/C Blaine Fletcher of Temecula, CA*  
*MOB: 4/C Oscar Parmenter of Dallas, TX*

- \* MAN ENTERS THE WATER WEARING AN IMMERSION SUIT AND PERSONAL FLOTATION DEVICE (PFD)/HARNESS, BUT NOT TETHERED TO THE BOAT
- \* SHOUT "MAN OVERBOARD"
- \* THROW SOS BUOY TO MARK LOCATION
- \* (DOWN BELOW THE CREW WILL MAKE VHF CALL, HIT THE MOB BUTTON ON THE GPS AND LOG THE EVENT IN THE LOG)

- \* DESIGNATED CREW MEMBER SPOT/POINT AT MOB CONTINUOUSLY
- \* MOB SWIM TO PFD, IF POSSIBLE
- \* BRING BOAT HEAD TO WIND AND BEYOND WITHOUT RELEASING GENOA SHEET (HEAVE TO)
- \* CONTINUE TO TURN UNTIL WIND IS ABAFT OF BEAM (DEEP BROAD REACH) DO NOT EASE MAIN IF POSSIBLE.
- \* START ENGINE. LEAVE IN NEUTRAL. CHECK FOR LINES IN WATER.
- \* DROP OR FURL HEADSAIL.
- \* JIBE BOAT TO APPROACH VICTIM 45-60 DEGREES OFF WIND
- \* APPROACH VICTIM HEAD TO WIND, CONTROL SPEED WITH MAIN, USE MOTOR TO MANUEVER, WITH CAUTION.
- \* ESTABLISH CONTACT WITH VICTIM USING HEAVING LINE/TROWSOCK
- \* HOIST ABOARD USING SPINNAKER HALYARD HOOKED TO PFD/HARNESS

**1230 DOWNWIND QUICKSTOP READ MOB BILL/SOP 803**

*Boat: Navy 44 MK I, NA-11 SWIFT*

*Skipper: 2/C Paige Krumwiede of Bradenton, FL*

*XO: 2/C Juan Afaible (pronounced Ah-fah-blai) of Louisville, KY*

*MOB: 4/C Anna Duval of McLean, VA*

- \* MAN ENTERS THE WATER WEARING AN IMMERSION SUIT AND PFD/HARNESS, BUT NOT TETHERED TO THE BOAT
- \* SHOUT "MAN OVERBOARD"
- \* THROW KAPOK PFD TO MARK LOCATION
- \* (DOWN BELOW THE CREW WILL MAKE VHF CALL, HIT THE MOB BUTTON ON THE GPS AND LOG THE EVENT IN THE LOG)
- \* DESIGNATED CREW MEMBER SPOT/POINT AT MOB CONTINUOUSLY
- \* MOB SWIM TO PFD, IF POSSIBLE
- \* CREW PREPARES TO LOWER SPINNAKER HALYARD

- \* BRING BOAT HEAD TO WIND AND BEYOND (HEAVE TO)
- \* SPIN HALYARD IS RUN ON HELMSMAN'S CALL BEFORE BOAT IS HEAD TO WIND.
- \* RELEASE PREVENTER (TRIM IN MAIN) \*(TALKING POINT ONLY)
- \* EASE POLE TO HEADSTAY
- \* TACK THE BOAT AND LOWER SPINNAKER ON WINDWARD SIDE.
- \* START ENGINE. LEAVE IT IN NEUTRAL. CHECK FOR LINES IN THE WATER
- \* CONTINUE TURNING
- \* APPROACH VICTIM 45-60 DEGREES OFF WIND
- \* APPROACH VICTIM HEAD TO WIND
- \* ESTABLISH CONTACT WITH VICTIM USING HEAVING LINE/TROWSOCK
- \* CREW HOIST VICTIM ABOARD USING MACHO METHOD

### **1235 UPWIND REACH/REACH (FIGURE 8/FAST RETURN) AND ELEVATOR RECOVERY**

*Boat: USNA Chartered Sail Training Craft, Kerr 50 Wahoo*  
*Skipper: 2/C Viktor Turner of Lincoln, NE*  
*XO: 2/C Matthew Dods of Atlantic City, NJ*  
*MOB: 4/C Harrison Ray of Atlanta, GA*

- \* MAN ENTERS THE WATER WEARING AN IMMERSION SUIT AND PFD/HARNESS, BUT NOT TETHERED TO THE BOAT
- \* SHOUT "MAN OVERBOARD"
- \* THROW KAPOK PFD TO MARK LOCATION
- \* (DOWN BELOW THE CREW WILL MAKE VHF CALL, HIT THE MOB BUTTON ON THE GPS AND MAKE ENTRY IN THE LOG)
- \* START ENGINE LEAVE IN NEUTRAL (CHECK FOR LINES)
- \* DESIGNATED CREW MEMBER SPOT/POINT AT MOB CONTINUOUSLY
- \* TACK TO A HEAVE TO POSITION, THEN BEAR OFF TO A DEEP BROAD REACH AND REACH AWAY FROM VICTIM, DROP HEADSAIL (OPTIONAL)

AND THEN SHARPLY TACK AND CONTINUE TURNING UNTIL AIMED WELL TO LEEWARD OF THE VICTIM.

- \* ONCE ANGLE TO THE VICTIM IS APPROXIMATELY 60 DEGREES RELATIVE TO THE TRUE WIND TURN TOWARDS THEM AND CONTROL SPEED WITH THE MAINSAIL TRIM AND MOTOR AS REQUIRED
- \* THROW HEAVING LINE TO MOB AS NECESSARY
- \* PULL MOB NEXT TO BOAT WITH HEAVING LINE/RECOVER MOB USING ELEVATOR RECOVERY

#### **1240 SHORTHANDED LIFESLING RECOVERY**

*Boat: Navy 44 MK II, NA-24 Gallant*

*Helmsman: 2/C Cassidy O'Brien*

*MOB: 4/C Michael Stumpf of Staten Island, NY*

- \* MAN ENTERS THE WATER WEARING AN IMMERSION SUIT AND PFD/HARNESS, BUT NOT TETHERED TO THE BOAT
- \* SHOUT "MAN OVERBOARD"
- \* THROW KAPOK PFD TO MARK LOCATION
- \* MOB SWIM TO PFD, IF POSSIBLE
- \* TACK TO A HEAVE POSITION (BRING BOAT HEAD TO WIND AND BEYOND WITHOUT RELEASING THE GENOA) TRIM SHEETS HARD IF POSSIBLE.
- \* THROW LIFESLING OVER. ENSURE LINE BEGINS TO PAY OUT.
- \* SAIL BOAT IN AN OFFSET CIRCLE AROUND MOB WITHOUT RELEASING GENOA SHEET
- \* TRIM MAIN SHEET, AS NECESSARY
- \* ONCE MOB MAKES CONTACT WITH LIFESLING, TACK AND HEAVE TO – BE PATIENT LET THE BOAT SETTLE TO A STALLED POSITION! DO NOT TRY TO DOUSE SAILS GOING DOWNWIND OR REACHING
- \* LOWER MAIN SAIL
- \* DROP HEADSAIL ON DECK
- \* EFFECT RECOVERY WITH VICTIM TO LEEWARD SIDE WHEN FEASIBLE
- \* HAUL MOB IN LIFESLING TO BOAT AND CLEAT HIM OFF. ENSURE HIS HEAD REMAINS ABOVE WATER.

- \* CONNECT BLOCK AND TACKLE HOISTING GEAR TO LIFELINE STANCHION AND SPARE HALYARD
- \* HOIST MAIN HALYARD 10 FEET ABOVE DECK
- \* RUN BITTER END OF TACKLE THROUGH A SHEET BLOCK TO A PRIMARY WINCH
- \* ATTACH HOISTING GEAR TO A BIGHT OF LIFESLING LINE AND PASS THROUGH D RINGS, UNCLEAT MOB AND HOIST ABOARD WITH PRIMARY WINCH OR CLOSEST AVAILABLE WINCH

**1250 LIFE RAFT DEMO READ ABANDON SHIP BILL/SOP ARTICLE 806**

*Boat: Navy 44 MK II, NA-22 Integrity*

*Skipper: 2/C Jay Corbett*

*XO: 2/C Blaine Fletcher*

*MOB: 4/C Oscar Parmenter*

*MOB: 4/C Harrison Ray*

*MOB: 4/C Anna Duval*

- \* MAYDAY CALL (SIMULATED)
- \* TETHER LIFE RAFT TO BOAT AND TOSS IT OVERBOARD
- \* PULL ALL LINE OUT OF CANISTER, AND FINALLY GIVE A GOOD TUG TO INFLATE RAFT
- \* ONE CREW MEMBER IN IMMERSION SUIT STEPS INTO RAFT FROM BOAT
- \* SECOND CREW MEMBER PASSES ABANDON SHIP GEAR TO FIRST MEMBER
- \* SECOND CREW MEMBER IN IMMERSION SUIT STEPS INTO RAFT
- \* THIRD CREW MEMBER IN IMMERSION SUIT ENTERS WATER WITH SAFETY LINE ATTACHED
- \* THIRD CREW MEMBER SWIMS TO AND ENTERS RAFT
- \* CUT RAFT LOOSE FROM "SINKING VESSEL"
- \* DEPLOY - SEE RESCUE STREAMER AND OTHER RESCUE AIDS (DIE MARKERS, REFLECTING MIRRORS, ETC.)
- \* ACTIVATE EMERGENCY RADIO BEACON (SIMULATE)

## **1255 USCG HELICOPTER RESCUE DEMONSTRATION**

*Boat: Navy 44 MK I, NA-11 SWIFT*

*Skipper: 2/C Paige Krumwiede of Bradenton, FL*

*XO: 2/C Juan Afable of Louisville, KY*

*Helicopter Pilot:*

*Helicopter Pilot:*

*Flight mechanic: AMT2*

*Rescue swimmer: AST3*

### **MH-65 Delta Helicopter**

- \* ASSUMES VESSEL HAS A SEVERELY INJURED MAN ABOARD, OR ABANDONING SHIP IS IMMINENT
- \* USCG RADIOED FOR ASSISTANCE VIA VHF CHANNEL 16
- \* TOPSIDE IS CHECKED FOR LOOSE/UNSECURED GEAR
- \* HATS AND LOOSE CLOTHING ARE REMOVED
- \* ONLY NECESSARY PERSONNEL ARE TOPSIDE
- \* HELO ARRIVES ON SCENE AND INITIATES EVACUATION VIA RADIO
- \* RESCUE SWIMMER ENTERS WATER FROM HELO, SWIMS TO SAILBOAT, IS HAULED ONBOARD BY SAILBOAT CREW.
- \* HELO INITIATES TRAIL LINE (GROUNDING LINE)
- \* HELO LOWERS TRAIL LINE TO BOAT. DO NOT TOUCH TRAIL LINE UNTIL IT GROUNDS ITSELF TO THE WATER OR TO THE BOAT.
- \* TRAIL LINE IS TENDED BY BOAT CREW, GUIDING BASKET TO DECK
- \* TRAIL LINE IS NOT SECURED TO BOAT IN ANY WAY
- \* RESCUE SWIMMER ENTERS BASKET
- \* BOAT CREW TENDS TRAIL LINE UNTIL BASKET IS CLEAR OF RIGGING
- \* HELO COMPLETES HOIST/BASKET IS BROUGHT ABOARD HELO
- \* HELO DEPARTS FOR HOME BASE

**1310 SAFETY FLARES DEMONSTRATION (ENSURE HELO IS CLEAR)**

*Boat: USNA Chartered Sail Training Craft, Kerr 50 Wahoo*

*Skipper: 2/C Viktor Turner of Lincoln, NE*

*XO: 2/C Matthew Dods of Atlantic City, NJ*

ROBERT CROWN WILL RADIO THE NAVY 44 ON VHF 82A TO GIVE "ALL CLEAR" TO START EXERCISE ONCE HELO IS CLEAR.

1. THREE ORION HAND-HELD RED FLARES, BURN TIME – 3 MINUTES @ 700 CANDELA
2. ONE ORION SAFETY OF LIFE AT SEA (SOLAS) PINPOINT HAND-HELD RED FLARES, BURN TIME - 1 MINUTE @ 15,000 CANDELA
3. ONE ORION HAND-HELD ORANGE SMOKE – USCG APPROVED, BURN TIME 1 MINUTE
4. ONE ORION MK5 SOLAS SMOKE, BURN TIME –3 MINUTES
5. THREE ORION 12-GAUGE RED AERIAL FLARES, BURN TIME – 6 SECONDS @ UP TO 16,000 CANDELA
6. THREE ORION 25mm RED AERIAL FLARES, BURN TIME – 8 SECONDS @ 30,000 CANDELA
7. ONE ORION SOLAS RED PARACHUTE FLARE, BURN TIME – 40 SECONDS @ 30,000 CANDELA

**1315 FINEX AND ANNOUNCE STATIC DISPLAY**

**1315 Static Display of TP52 Hooligan Storm Sails in Santee Basin, manned by VOST**  
**MIDN**

APPENDIX C TO DNAS OPORDER 18/001 - PERSONNEL ASSIGNMENTS

1. Officer in Charge (OIC)	CDR Marisa McClure
2. Assistant OIC (AOIC)	Ms. Renee Mehl
3. Alumni Hall Coordinator	Ms. Renee Mehl
4. Luce and MacDonough Coordinator	Mr. Jon Wright
5. Cutter Shed Personnel OIC	BMC Robert Hock
6. VOST Personnel OIC	Mr. Jahn Tihansky
7. On-the-Water Demo OIC	Mr. Jon Wright
8. On-the-Water Demo AOIC	Mr. Jahn Tihansky
9. Audio-Visual/Stage Manager	LT Catherine Reed
10. Safety at Sea Seminar Committee	Designated personnel
11. Cutter Shed Personnel	Duty Section
12. Lifeguard – Scott Natatorium	Midn Boyken, Klatka, Lance
13. Lifeguard – Dive Well	Midn Stout, Vandegrift
14. USNA Fire Department	Chief Tim Hall
15. USCG Liaisons	LT Matthew Vernam
16. Operations Officer (OPSO)	LT Matthew Vernam
16. Event Moderators	Mr. Chuck Hawley Mr. Jon Wright

## APPENDIX D TO DNAS OORDER 18/001 - COMMUNICATIONS

### 1. COMMUNICATIONS:

Channel 17 *EMERGENCY* coordination between USNA and USCG assets  
Channel 22A Robert Crown and USCG Helicopter, and OPSO and USCG Boats  
Channel 78 USCG Boats  
Channel 82A Santee Basin Control, Navy 44s and Robert Crown  
VHF 121.95 USCG Helicopter coordination with USNA Flight Ops

2. CIRCUIT DISCIPLINE: Maintaining circuit discipline is of the utmost importance to ensure safe execution of all evolutions. Channel 82A is to be used for all communications between waterborne assets/Santee Basin Control. Channel 22A is to be used in case of *EMERGENCY*; otherwise, it is to be used only for communication between Santee Basin control and USCG units. Channel 78 is reserved for communication between USCG units. Santee Basin control will serve as net control for channel 82A, while the USCG will be net control for channels 22A and 78.

### 3. CALL SIGNS:

<u>Party</u>	<u>Call Sign</u>
Vandergrift Cutter Shed	"SANTEE BASIN CONTROL"
Ms. Renee Mehl/Jon Wright	"ROBERT CROWN"
Navy 44s	"VESSEL NAME"
LT Matthew Vernam	"OPS"

4. ON-WATER CANCELLATION NOTIFICATION: In the event the on-water sailboat MOB recovery demonstration is cancelled due to weather, the following notifications shall be made: (the USCG helicopter SAR rescue swimmer may be cancelled due to weather or emergency responses, and does not impact the overall schedule)

DNAS CDR Marisa McClure	813-919-7362
USCG Sector Baltimore Command Cntr	410-576-2525
USCG Annapolis Station OOD	410-267-8107

APPENDIX E TO DNAS OPORDER 18/001 - SAFETY EQUIPMENT REQUIRED FOR SASS

1. The following safety equipment shall be carefully inspected and readied for the SASS Static Display on stage in Alumni Hall:

- a. One life raft, Viking, exhibitor provided
- b. One damage control kit
- c. One MOB pole with horseshoe with strobe light, drogue, and whistle attached
- d. One Mustang immersion suit
- e. One EPIRB with GPS
- f. One PLB and AIS
- g. Two Mustang (new)Tech Vests with crotch straps, fully outfitted
- h. One flare kit
- i. One life-sling with strobe light attached
- j. One Edson and one Whale bilge pump provided by Edson
- k. Two personal strobe lights and two chem-lites
- l. One throwsock
- m. Gale Rider
- n. One Spinlock Bosun's chair
- o. One Kapok life jacket with strobe light and whistle
- p. One MOM
- q. Sirius Signal Electronic Flare

2. The following safety equipment shall be carefully inspected and readied for the SASS on-the-water demonstration:

- a. Six Mustang immersion suits
- b. Flares donated by Orion
- c. One bucket of sand – to support the pyrotechnic demonstration vessel
- d. (One) Four-part block and tackle and a snatch block for single-handed demonstration vessel
- e. One Winslow (exhibitor provided) life raft
- f. TP 52 loaded out with storm trysail, storm jib with sheets attached, runner tails and one Gale Rider for static display in Santee Basin

3. The following safety equipment shall be readied for and/or transported to the Water Polo Pool in Macdonough for the SASS in-pool display:

- a. One life-sling
- b. Six inflatable life jackets and tethers (use old gear that's slated for DRMO) without CO2
- c. Three CO2 recharge kits
- d. Six sets of foul weather gear and boots (use old gear that's slated for DRMO)
- e. Life rafts (2), USNA Elliot 10M from 244 and (1) Winslow raft retrieved from Saturday's river demonstration and moved by Cutter Shed
- f. Three Type I USCG PFDs
- g. Three Type III USCG PFDs

h. Two Shop Vacuums

4. The following safety equipment shall be readied for and/or transported to the Lejeune Diving Well for the SASS in-pool display:

- a. Viking Life raft retrieved from stage on Saturday
- b. Six inflatable life jackets without CO2 cartridge and tethers (use old gear that's slated for DRMO)
- c. Three sets foul weather gear (use old gear)
- d. Three CO2 recharge kits
- e. One Life-sling with a 6:1 block and tackle
- f. Two throw socks
- g. One horseshoe buoy, strobe, drogue, man overboard pole
- h. One boathook
- i. Three Type I USCG PFD's (old)
- j. Three Type III USCG PFD's (old)
- k. One Edson and one Whale bilge pump from stage on Saturday
- l. Two large containers (trash can) with gallon increments marked on the outside
- m. One large pump box from Robert Crown

5. The following safety equipment shall be readied for and/or transported to Luce Hall for the SASS fire demonstration: Electric fire box and 12 volt fully charged battery and battery charger from Robert Crown.

6. The following props shall be transported to the Macdonough Hall basketball court: Demo boat show mast and boom rig from Annapolis Rigging, box of rigging supplies from Pete Carrico, Colgate 26 full model from Robert Crown.

## APPENDIX F TO DNAS OPORDER 18/001 - ACCOUNTABILITY

1. GENERAL. Midshipmen attending the SASS Seminar as members of VOST are required to attend both morning and afternoon sessions on Saturday, 24 March. OSTs Midshipmen are required to attend the morning lectures and on-water demonstrations, from 0800-1315.

### 2. PROCEDURES.

- a. VOST Midshipmen are required to sign in between 0715-0745 on Saturday, 24 March at Alumni Hall. Roster sheets will be located in the lobby of Alumni Hall for sign-in.
- b. OSTs Midshipmen are required to sign in between 0715-0740 on Saturday, 24 March at Alumni Hall. Roster sheets will be located in the lobby of Alumni Hall for sign-in. They are required to check in at Robert Crown Sailing Center lobby for the on-water demonstration. OSTs Midshipmen are excused at the conclusion of the on-water demonstration, at approximately 1315.
- c. Skippers, XOs or prospective XOs who are supporting either the OSTs or VOST Programs need to check in with their program representatives at the sailing programs desk when they arrive.

## APPENDIX G TO DNAS OPORDER 18/001 – OPERATIONAL RISK MANAGEMENT

1. ORM Assessment: On-the-Water Demonstrations.
2. 5-step Process:
  - a. Identify Hazards:
    - i. Risk of drowning
    - ii. Risk of hypothermia
    - iii. Risk of associated injury
  - b. Assess hazards
    - i. Risk of drowning is extremely severe (I)
    - ii. Risk of hypothermia could be severe (II)
    - iii. Risk of associated injury is minor in severity (III)
  - c. Make risk decisions:
    - i. Risk of drowning cannot be accepted
    - ii. Risk of hypothermia cannot be accepted
    - iii. Risk of associated injury should be mitigated
  - d. Implement Controls:
    - i. Risk of drowning:
      - a. All demonstration participants SHALL wear approved Personal Floatation Devices (PFDs)
      - b. A safety observer SHALL be stationed (in a zodiac) in the vicinity of all man-over-board demonstrations.
      - c. The USCG will be on scene and briefed.
    - ii. Risk of hypothermia:
      - a. All participants entering the water SHALL be outfitted with cold water gear.
      - b. A Safety Observer SHALL be stationed (in a zodiac) in the vicinity of all man-over-board demonstrations.
      - c. The USCG will be on scene and briefed.
    - iii. Risk of associated injury:
      - a. On the water demonstration participants (VOST midshipmen) will rehearse the on-the-water demonstration under the guidance of the Safety at Sea staff or Safety Observer.
  - e. Supervise:
    - i. Director, Naval Academy Sailing is the Officer in Charge (OIC) of the Safety at Sea Seminar and SHALL be on scene for the on-the-water demonstrations.
    - ii. Ms. Renee Mehl, the Assistant Safety at Sea OIC and Lead for the on-the-water demonstrations, SHALL be on scene for the on-the-water demonstration and SHALL ensure that the USCG is on scene. DNAS SHALL be immediately notified of any deviations.
    - iii. Jon Wright, Naval Academy Sailing Vanderstar Chair, SHALL ensure that all participating Sail Training Craft are properly outfitted with all required equipment and safety gear in accordance with this OPORDER. DNAS SHALL be immediately notified of any deviations.
    - iv. Jahn Tihansky, Varsity Offshore Team Personnel Coordinator and on-the-water Safety Observer SHALL ensure that all on-the-water demonstration participants are practiced in the required procedures for the Safety at Sea on-the-water

demonstrations. DDNAS SHALL be immediately notified of any deviations.

3. Final Risk Assessment:

- a. Risk Assessment. Due to the risk of drowning the SEVERITY of this evolution is (I), however, the controls and supervision in place make the PROBABILITY of this occurrence to be UNLIKELY. Final Risk Assessment Code of this evolution is (3), **MODERATE**.

Risk Assessment Matrix			PROBABILITY						
			Frequency of Occurrence Over Time						
			A Likely	B Probable	C May	D Unlikely			
SEVERITY Effect of Hazard	I	Loss of Mission Capability, Unit Readiness or Asset; Death	1	1	2	3			
	II	Significantly Degraded Mission Capability or Unit Readiness; Severe Injury or Damage	1	2	3	4			
	III	Degraded Mission Capability or Unit Readiness; Minor injury or Damage	2	3	4	5			
	IV	Little or No Impact to Mission Capability or Unit Readiness; Minimal Injury or Damage.	3	4	5	5			
<b>Risk Assessment Codes</b>									
1 - Critical		2 - Serious		3 - Moderate		4 - Minor		5 - Negligible	

- b. Risk Decision. The Director, Naval Academy Sailing views the aforementioned risks, when mitigated with the planned controls and supervision as “ACCEPTABLE RISK” for this evolution.