

HMS VICTORIOUS

DASO



1995

MAJOR DASO LAUNCH COUNTDOWN EVENTS

The Launch countdown begins 12 hours prior to the missile launch. Critical actions are performed onboard the submarine and Launch Area Support Ship (LASS) as well as the Eastern Range to ensure the missile can be safely and successfully tested.

T-720: The countdown clock is started, and the onboard missile destruct tests are started. The destruct tests ensure the missile can be destroyed in the unlikely event of a failure.

T-420: The LASS gets underway. The LASS carries a myriad of complex communication and telemetry equipment to track the missile beginning at Missile Broach.

T-390: Command destruct tests are completed. These check the continuity of the Range destruct functions performed at the Range Control Center (RCC), LASS and the submarine.

T-360: The submarine gets underway from Port Canaveral to the launch area.

T-295: Equipment is installed to permit the ignition of the first stage rocket motor (Missile Inverters) and the last element required to allow destruction of the missile (Destruct Arming Plugs). Finally, a last minute internal visual check of the missile (Final Missile Closeout) is conducted. Condition 2SQ is set, placing the Weapon System in a state of readiness capable of supporting a missile launch.

T-85: The submarine establishes communications. Air and ground stations rendezvous with the LASS.

T-60: The submarine arrives in the launch area and submerges to a predetermined depth. Final tests are conducted on the Fire Control, Launcher and Navigation systems.

T-30: The submarine slows to a near stop and commences hovering. Hovering provides the stable launch platform necessary to launch the missile.

T-22: The missile's internal guidance system is spun up, as targeting information and ship's position is provided to its internal computer. The submarine's predicted position at missile launch (T-0) is passed to the Eastern Range.

T-15: The Commanding Officer directs the crew to "Man Action Station Missile and Set Condition 1SQ." The 1SQ Condition places the ship and her crew at the highest state of readiness in preparation for the launch sequence.

T-7: The Eastern Range gives Range Clear to Launch. This indicates that communications, telemetry, ship and all supporting personnel are ready to support the launch.

T-3:30: All Radio Frequency (RF) systems are switched to internal power. This provides a communication data link to the missile while in flight.

T-3: All launch prerequisites are met. The missile is ready to be launched and tracked when the Commanding Officer gives his permission.

T-1:30: The Commanding Officer gives his "Permission to Fire."

T-0: The missile is launched, and tracking by the LASS and the Eastern Range begins. After the launch, the submarine surfaces and returns to Port Canaveral. The Eastern Range continues tracking the missile until final impact of the missile payload.

Launch Day Itinerary

U.K. DASO / H.M.S. VICTORIOUS

0630	All Hands muster on board
0730	Hosts/Hostesses arrive on board
0730-0900	Guest Boarding
0845-0915	Process Standbys
0930	Guests report to assigned areas for safety brief
0930	Secure / Raise Gangway
0945	Underway
1100-1300	Lunch

Lunch Schedule

<u>Time</u>	<u>Dining Room #1</u>	<u>Dining Room #2</u>	<u>Dining Room #3</u>
(RED) 1100-1140	Group 1	Group 9 & 12	Group 13
(GREEN) 1140-1220	Groups 4, 5, 6, 7 & 8	Groups 10, 11, & 15	Group 14
(BLUE) 1220-1300	Groups 18 & Media	Group 16	Group 17

1330 (approx)	Boat Drill
1630-1830	Dinner (Barbecue Topside)

Dinner Schedule

<u>Time</u>	<u>Serving Groups</u>
(RED) 1630-1710	1, 4, 5, 6, & 15
(BLUE) 1710-1750	16, 17, 18, & Media
(GREEN) 1750-1830	7, 8, 9, 10, 11, 12, 13, 14

1645 (approx)	Victorious Submerges
1745 (approx)	T-0 (Missile Away)
1900	Slide Show (Briefing Theater #1)
1930	Slide Show (Briefing Theater #1)
2000	Slide Show (Briefing Theater #1)
2100	Detailed Tour for Groups 1, 9, 12, 13, & 15
2130	Detailed Tour for Groups 4, 5, 6, 7, 8, 10, 11, & 14
2200	Detailed Tour for Groups 16, 17, & 18
2200	Snacks Available in Dining Rooms #1, #2, & #3
2300	Guests return to assigned areas
0000 (approx)	Ship moors
0030 (approx)	Disembark two groups at a time (group numbers will be called over the PA system)

Note: Movies will be shown continuously throughout the day on ship's TVs.

WELCOME ABOARD

Name: _____

Group: _____

The Commanding Officer, Officers and Men of Fleet Ballistic Missile Operational Test Support Unit 2 and the Master, Officers and Crew of the USNS RANGE SENTINEL (TAGM-22) take great pleasure in having you aboard today.

We of FBM OPTESTSUPPU 2 hope to make the day as interesting and enjoyable as possible. You can help us in achieving this goal by taking a few minutes to read the information provided in this folder. If you have any questions, please don't hesitate to ask your Host, Hostess or any other FBM OPTESTSUPPU 2 crew member.

Emergency Alarms: It is highly unlikely that any emergency will arise during our cruise today; however, it is important that all guests be familiar with the various alarms that might sound.

Fire Alarm: The signal for a fire alarm is a steady ringing of the general alarm bells and then a continuous blast of the ship's whistle for at least ten (10) seconds, followed by an announcement on the Public Address (PA) System.

Your Action: Upon hearing the fire signal report to your group station where additional instructions will be provided to our guests via the ship's PA system, your Host or Hostess, or by a ship's crew member.

Abandon Ship: The abandon ship signal consists of more than six (6) short blasts and one (1) long blast of the ship's whistle, followed by an announcement on the PA System.

Your Action: Upon hearing the abandon ship signal proceed to the open deck and then to the life raft assigned to you below: Life rafts are the large orange containers on the main deck. **DO NOT** release rafts. Your life raft commander will give you instructions.

In the case of ABANDON SHIP proceed to life raft # _____

The ship has a nurse on board. If you should feel any discomfort throughout the day please contact your Host, Hostess or an FBM OPTESTSUPPU 2 Crew Member and medical help can be arranged. Motion Sickness pills are available and are recommended if you think you may experience motion sickness. It is recommended that you take the motion sickness medication prior to underway because it does take time for the medication to get into your system and start to work.

Welcome aboard USNS Range Sentinel HMS Victorious UK DASO THREE

Refreshments available in guest lounges.

Quick Luncheon

Mixed Garden Salad - Cottage Cheese - Assorted Salad Dressings
Chicken Noodle Soup - Ritz Crackers - Saltine Crackers
Baked Beef and Macaroni Topped with Cheese
Grilled Cheeseburgers Deluxe on Roll
Boiled Frankfurter on Bun with Chopped Onions and Relish
French Fried Potatoes - Steamed Peas - Carrots
Luncheon Rolls - Jam - Jelly - Butter - Peanut Butter
Fruit Jello - Assorted Cakes
Coffee - Hot Tea - Chilled Fruit Drinks - Chilled Water

Range Sentinel Steel Beach Party

Dinner

Mixed Sweet Pickles - Green Olives - Black Olives
Chilled Lobster Salad - Macaroni Salad - Potato Salad
Grilled Rib Eye Steak with Wine Braised Fresh Mushrooms
Barbecued Chicken - Barbecued Baby Back Pork Ribs
Brown Sugar Baked Beans - Boiled Sweet Corn on the Cob
Hard Small Party Rolls - Cookies - Chilled Watermelon
Assorted Chilled Sodas - Potato Chips - Mixed Salted Nuts

Prepared by:

Chef Alfredo Bultron
2nd Cook L. Wolf

Cook/Baker D. Binette
3rd Cook J. Lewis

Assisted by Food Service Staff and Supply Department

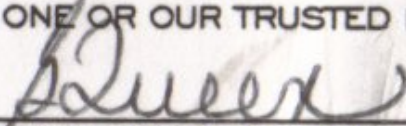
Food Service Officer: M. Harden Ship's Master: T. J. Fingers

DOMAIN OF THE MISSILE BIRDWATCHERS

KNOW YE THAT ON THIS 22ND DAY OF OCTOBER, 1 994

AN HONORED GUEST OF FBM OPERATIONAL TEST SUPPORT UNIT TWO
ON BOARD USNS RANGE SENTINEL (T-AGM 22) DID OBSERVE A SUBMERGED
LAUNCH FROM USS OHIO (SSBN 726) (GOLD).

HAVING BEEN INSPECTED AND FOUND WORTHY BY MY ROYAL STAFF,
I COMMAND MY SUBJECTS TO HONOR AND RESPECT THE BEARER OF THIS
CERTIFICATE AS ONE OF OUR TRUSTED MISSILE BIRDWATCHERS.



RULER OF THE ROYAL DOMAIN OF BIRDWATCHERS
COMMANDING OFFICER FBM OPERATIONAL TEST SUPPORT UNIT TWO