



DEPARTMENT OF THE NAVY

USS EMORY S. LAND (AS 39)
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From: Commanding Officer, USS EMORY S. LAND (AS 39)
To: Director of Naval History (OP-0BH), Washington Navy Yard,
Washington, DC 20374

Subj: USS EMORY S. LAND (AS 39) COMMAND HISTORY FOR CALENDAR
YEAR 2003

Ref: (a) OPNAVINST 5750.12H

Encl: (1) Command History
(2) Biography and photo of Capt W. Scott Gray IV, USN
Commanding Officer to March 10, 2003
(3) Biography and photo of Capt D. M. Volonino, USN
Commanding Officer from March 10, 2003

1. Enclosures (1) through (3) are provided per reference (a).

A handwritten signature in black ink, appearing to read "D. M. Volonino".

D. M. VOLONINO

**USS EMORY S. LAND (AS 39)
2003 Command History**

1. Command Composition and Organization

- a. Command short title: USS EMORY S. LAND (AS 39)
- b. Unit Identification Codes (UIC): 20635, 45254 and 33014
- c. Mission: Provide maintenance repair and supply and logistics support to submarines, surface ships, and other naval assets in the Sixth and Fifth Fleet areas of operation.
- d. Immediate Superior in Charge (ISIC): Commander, Submarine Squadron 22
- e. Commanding Officer:

Captain W. Scott Grey IV, USN 1 Jan-10 Mar 03
Captain David M. Volonino, USN 10 Mar-31 Dec 03
- f. Permanent duty station: La Maddalena, Sardinia, Italy

2. Chronology

FMA: Fleet Maintenance Availability alongside USS EMORY S. LAND
FAT: Fly Away Team availability to a unit on location away from
USS EMORY S. LAND

January

01-13	In port La Maddalena, Italy
01-02	FAT to USS SAN JACINTO (CG 56), Trieste, Italy
01-03	FAT to USS PITTSBURGH (SSN 720), Manama, Bahrain
06-13	FMA on USS NEWPORT NEWS (SSN 760), La Maddalena, Italy
07-09	FAT to USS PITTSBURGH (SSN 720), Manama, Bahrain
13-18	Underway
18-29	In port Aksaz, Turkey
18-25	FMA on USS SAN JUAN (SSN 751), Aksaz, Turkey
20-27	FMA on USS DEYO (DD 989), Aksaz, Turkey
24-25	Visit by RADM Donald, COMSUBGRU 8
26-29	FMA on USS MONTPELIER (SSN 765), Aksaz, Turkey
29-FEB01	Underway

February

01 In port Augusta Bay, Italy
01-03 Underway
01-03 Afloat Training Group Atlantic Assist Visit
01-03 FAT to USS NATICK (YTB), La Maddalena, Italy
03-15 In port La Maddalena, Italy
11-15 FMA on USS NEWPORT NEWS (SSN 760), La
Maddalena, Italy
11-15 FAT to USS ANZIO (CG 68), Gibraltar
15-25 FAT to USS LASALLE (AGF 3), Gaeta, Italy
15-19 Underway
19-21 In port Souda Bay, Crete
21 Underway
21-01 Anchored Souda Bay, Crete
21-23 FMA on USS SAN JUAN (SSN 751), Souda Bay, Crete
24-25 FMA on USS AUGUSTA (SSN 710), Souda Bay, Crete
24-27 FMA on USS BOISE (SSN 764), Souda Bay, Crete
24-25 FMA on USS WINSTON CHURCHILL (DDG 81),
Souda Bay, Crete
25-26 FMA on USS TOLEDO (SSN 769), Souda Bay, Crete

March

01 Underway
01-07 In port Souda Bay, Crete
03-06 FMA on USS DEYO (DD 989), Souda Bay, Crete
07 Underway
07-12 Anchored Souda Bay, Greece
07-10 FMA on USS THEODORE ROOSEVELT (CVN 71),
Souda Bay, Crete
08-10 FMA on USS BOISE (SSN 764), Souda Bay, Crete
09-10 FMA on USS PROVIDENCE (SSN 719), Souda Bay,
Crete
10 Change of Command, Souda Bay, Crete. VADM Fry,
COMSIXTHFLT, guest speaker
10-12 FMA on USS MITSCHER (DDG 57), Souda Bay, Crete
10-14 FMA on USS SENTRY (MCM 3), Souda Bay, Crete
10-14 FMA on USS DEVASTATOR (MCM 6), Souda Bay, Crete
12 Underway
12-16 In port Souda Bay, Greece
16-19 Underway
19-25 Anchored Souda Bay, Greece
20 Visit by RADM Donald, COMSUBGRU 8
21-APR01 FMA on USS SCOUT (MCM 8), Souda Bay, Crete
21-APR02 FMA on USS CHIEF (MCM 14), Souda Bay, Crete

24-27 FMA on USCG PEA ISLAND (1347), Souda Bay, Crete
 24-27 FMA on USCG GRAND ISLAND (1342), Souda Bay, Crete
 24-27 FMA on USCG KNIGHT ISLAND (1348), Souda Bay, Crete
 24-27 FMA on USCG BAINBRIDGE ISLAND (1343), Souda Bay, Crete
 25 Underway
 25-12 In port Souda Bay, Greece
 29-APR05 FMA on USS PROVIDENCE (SSN 719), Souda Bay, Crete
 29-APR05 Embedded media visit, Mr. Bob Hamilton, "The New London Day"
 31-APR01 Visit by RADM Donald, COMSUBGRU EIGHT
 31-APR04 FMA on NEWPORT NEWS (SSN 720), Souda Bay, Crete
 31-APR05 FMA on USS SAN JUAN (SSN 751), Souda Bay, Crete

April

01-01 FMA on USS BOISE (SSN 764), Souda Bay, Crete
 04 Visit by VADM Fry, COMSIXTHFLT
 05-08 FMA on USAV CORINTH (16), Souda Bay, Crete
 05-08 FMA on USAV BUSCO (13), Souda Bay, Crete
 05-08 FMA on USAV BUENA VISTA (8), Souda Bay, Crete
 06-10 FMA on USS PITTSBURGH (SSN 720), Souda Bay, Crete
 12 Underway
 12-23 Anchored Souda Bay, Greece
 14-19 FMA on USS AUGUSTA (SSN 710), Souda Bay, Crete
 17-18 FMA on USS MONTPELIER (SSN 765), Souda Bay, Crete
 23-27 Underway
 27-JUN09 In port La Maddalena, Italy
 28-MAY03 FMA on USS BRISCOE (DD 977), La Maddalena, Italy
 30-MAY05 FMA on USS SCOUT (MCM 8), La Maddalena, Italy
 30-MAY05 FMA on USS CHIEF (MCM 14), La Maddalena, Italy

May

02-12 FAT to USS LASALLE (AGF 3), Gaeta, Italy
 12-18 FAT to USS CAPE ST GEORGE (CG 71), Gibraltar
 15 Visit by RADM Feichtinger, COMNAVSUBFOR Reserves
 17-23 FAT to USS LASALLE (AGF 3), Gaeta, Italy
 20-22 Military Sealift Command Shipcheck
 21-24 FAT to USS LASALLE (AGF 3), Gaeta, Italy

19-12 FMA on USS PROVIDENCE (SSN 719), La Maddalena,
Italy
29 Visit by RADM Donald, COMSUBGRU 8
23-JUN06 FMA on USS MONTPELIER (SSN 765), La Maddalena,
Italy

June

07-10 FAT to USS LASALLE (AGF 3), Gaeta, Italy
07-18 FAT to USS HALYBURTON (FFG 40), Valleta, Malta
09-17 Underway
17-23 In port Koper, Slovenia
21-26 FAT to USS MONTPELIER (SSN 765), Rota, Spain
23-26 Underway
26-27 In port Augusta Bay, Italy
27-JUL03 Underway

July

01 2M Certification
01 Field Calibration Activity Review
03-AUG24 In port La Maddalena, Italy
09-14 FMA on USS HAMPTON (SSN 767), La Maddalena,
Italy
15-21 FMA on USS PHILADELPHIA (SSN 690), La
Maddalena, Italy
21-22 Visit by RADM Stanley, COMSUBGRU 8
28-31 FMA on USS MEMPHIS (SSN 691), La Maddalena,
Italy

August

04 Visit by the Secretary of the Navy
04-14 FTSCCLANT Elevator Training
08 Visit by RADM Weaver, Commander, Navy
Installations
11-15 Tomahawk Logistics Training
11-18 FAT to USS DOYLE (FFG 39), Portsmouth, England
12-18 FMA on USS SPRINGFIELD (SSN 761), La Maddalena,
Italy
14-24 FMA on USS PHILADELPHIA (SSN 690), La
Maddalena, Italy
16-21 FAT to USS NICHOLAS (FFG 47), Souda Bay, Crete
24-27 Underway
27 In port Augusta Bay, Italy
27-SEP03 Underway

September

03-OCT08 In port La Maddalena, Italy
02-10 FAT to USS MIAMI (SSN 755), Brest, France
05-19 FMA on USS HAMPTON (SSN 767), La Maddalena,
Italy
11-16 NAVSEA 08 Audit
15-23 FAT to USNS LARAMIE (TAO 203), Rota, Spain
16 Visit by ADM Bowman, NAVSEA 08
17-29 FMA on USS PHILADELPHIA (SSN 690), La
Maddalena, Italy
23-26 FAT to Naval Station, Rota, Spain
29-OCT01 Field Calibration Activity Cert.

October

03-06 FMA on USS HAMPTON (SSN 767), La Maddalena,
Italy
06-10 Board of Inspection and Survey Underway
Material Inspection
08-09 Underway
09-DEC01 In port La Maddalena, Italy
19-25 FMA on USS SPRINGFIELD (SSN 761), La Maddalena,
Italy
19-25 FMA on USS HARTFORD (SSN 768), La Maddalena,
Italy
25-NOV04 FMA on USS MIAMI (SSN 755), La Maddalena, Italy
25-NOV16 FMA on USS HARTFORD (SSN 768), La Maddalena,
Italy

November

03-14 FMA on USS HAMPTON (SSN 767), La Maddalena,
Italy
08-20 FAT to USS MEMPHIS (SSN 691), Bahrain
16-20 Supply Management Inspection
20-26 FAT to USS STOUT (DDG 55), Trieste, Italy

December

01-05 Underway
01-05 Afloat Training Group Atlantic Assist Visit
02-16 FAT to USS HYMAN G. RICKOVER (SSN 709),
Portsmouth, England
05-08 In port Augusta Bay, Italy
08-10 Underway
10-13 Search and Rescue Evaluation

10-31 In port La Maddalena, Italy
19-26 FMA on USS MEMPHIS (SSN 691), La Maddalena,
Italy
28-31 FMA on USS PHILADELPHIA (SSN 690), La
Maddalena, Italy

3. Narrative. USS EMORY S. LAND (AS 39) is a forward-deployed submarine tender; the only mobile maintenance, logistics, and weapons reload asset for deployed U.S. and NATO Naval forces in the Mediterranean area of operations. USS EMORY S. LAND's performance and contribution to the Global War on Terrorism far exceeded expectations and has set it apart from its peers, past and present. EMORY S. LAND provides TOMAHAWK cruise missile and MK-48 Advanced Capability (ADCAP) torpedo storage and reload support; 90 individual weapon movements, supporting eight different submarines, were performed in direct support of Operation IRAQI FREEDOM. Additionally, all capabilities of this afloat Fleet Maintenance Activity (FMA) were exercised during this period. A wide variety of repairs ranging from limited depot-level and complex intermediate-level work to small, routine jobs on all classes of Naval ships were effected. EMORY S. LAND also provided a wide range of support services to deployed warships and submarines. Services provided include logistic, medical, dental, disbursing, legal, electrical power, potable water supply, CHT disposal, oily waste disposal, nitrogen, re-supply of small arms ammunition, pyrotechnics and countermeasures, postal, CMS and communications support, and administrative services, ministry outreach, and safety/industrial hygiene surveys, analyses, and training. The AS-39 team directly and conspicuously supported National interests and on-going vital military operations, i.e., Operation ENDURING FREEDOM and Operation IRAQI FREEDOM by sustaining the material readiness, weapons handling and supply support of our deployed Fifth and Sixth Fleet combatants operating in the Mediterranean, Adriatic, and Red Seas, and the Arabian Gulf.

a. Specific accomplishment of unit mission requirements

(1) Weapons System and Weapons Equipment Operational Readiness Status:

(a) The Weapons FMA mission is to perform repairs and provide logistic support to nearly every class of submarine and surface combatant deployed in the Mediterranean Sea. The Department is responsible for ordnance handling evolutions and

operates and maintains three shipboard cranes. Some of its more significant actions during the year include:

1 Vertical and capsulated launching system certified. AS-39 is the only ship in the Navy capable of supporting both submarine and surface combatant TOMAHAWK logistic movements.

2 Conducted safe weapons and support equipment handling evolutions to re-arm tended units which included:

ORDNANCE TYPE	QUANTITY
MK 48/ADCAP Torpedoes	30
Tomahawk Cruise Missiles	173
Small Arms Ammunition	300,000 rounds
Pyrotechnics	1,500

3 Safely on-loaded, off-loaded, and stored more than 42 tons of small arms ammunition, explosives, and pyrotechnics. Maintained ordnance accounts for more than 70 different ordnance line items with a combined value of over 150 million dollars.

4 Coordinated all efforts to arrange support and conduct 12 Weapon System reviews on forward deployed submarines. As a result, 15 significant deficiencies in Tomahawk weapon systems were identified and repaired. These deficiencies would have inhibited missile launch. Conduct of these reviews enabled submarine Tomahawk weapons to maintain 100% readiness.

5 The Weapons Repair team significantly contributed to the EMORY S. LAND Repair FMA mission in the areas of fire control, Vertical Launch System (VLS) repair, weapons maintenance, small arms repair and logistics, certification of material handling devices, and crane support involving 26 submarines and 11 distinctive classes of surface combatants and auxiliary ships.

(b) In preparation for Operation IRAQI FREEDOM, the Weapons Repair Department corrected five missile deficiencies by either repairing the missile problem or by replacing the missile with a good one from the ship's inventory. All five of these missiles were later successfully launched against targets in Iraq.

(c) AS-39 safely and expeditiously completed 16 ADCAP torpedo and 74 TOMAHAWK cruise missile logistic and maintenance evolutions with zero incidents or mishaps. After the initial missile launches during the opening days of Operation IRAQI FREEDOM, USS PROVIDENCE (SSN 719) returned to moor alongside EMORY S. LAND in Souda Bay, Crete, and was completely reloaded with TOMAHAWK missiles in only seven days. This included disposal of 6,000 gallons of hazardous wastewater, off-load of 24 spent TOMAHAWK capsules, off-load of one defective missile and re-load of 25 missiles. USS AUGUSTA (SSN 710) was also reloaded with eight TOMAHAWK missiles. Fully utilizing the mobile capabilities of EMORY S. LAND, the weapons re-load of USS AUGUSTA was completed while the ship was at anchor in Souda Bay, Crete.

(d) Supplied submarines and surface ships assigned combat missions with small arms ammunition and pyrotechnics. Several other surface ships were supplied ammunition out of EMORY S. LAND stock to ensure all warships were kept fully mission capable.

(e) Maintained and implemented a robust Force Protection (FP) organization meeting all FP requirements for own ship and all tended surface ships and submarines. Functioned as command post for coordination of Navy Coastal Warfare Group 2 patrol boats in support of security of all afloat commands in Souda Bay, including USNS and MSC ships transporting materials and equipment into the Fifth Fleet Area of Responsibility (AOR).

(f) Coordinated a vast network of support to arrange technical assistance throughout the Mediterranean operations area. Efforts included the support of more than 20 civilian and military organizations located in the United States resulting in successful completion of time critical repairs to forward deployed submarines.

(g) Coordinated shipping and acquisition of repair parts and handling equipment, as well as technical representative support to conduct nine towed array sonar handling evolutions and equipment repairs. Optimized sonar system readiness for every Mediterranean deployed submarine.

b. Fleet Support and Repair:

(1) Wartime Force Multiplier. Rapidly effected mission critical repairs to turn ships around, getting them back into the fight as soon as possible. AS-39 applied the vast technical

acumen and highly impressive ship repair experience of the FMA to perfectly plan and expertly execute a series of 32 intense, rapid-fire submarine and surface ship availabilities while forward deployed in Souda Bay, Crete in direct and timely support of military action in Operation IRAQI FREEDOM.

(a) A historic first, EMORY S. LAND simultaneously tended four nuclear submarines, all abreast to starboard, executing mission-critical repairs on all while also performing vital surface ship repairs to adjacent ships. Statistics determined that the FMA maintained an overall sustained level of effort of over 95 percent, with several repair shops exceeding 100 percent, a testament to the motivation of the command. In all cases, ships left fully mission-capable. Commander, Sixth Fleet, CTF-69, unit Commanding Officers, and COMCMRON TWO lauded each success personally.

(b) In addition to wartime submarine and surface combatant repairs and nuclear support, the versatile and adaptable FMA restored full mission capability to a diverse array of ships and craft; from low magnetic signature mine countermeasure ships to deployed U.S. Coast Guard cutters. This included U.S. Army Land Craft (LCUs), Military Sealift Command (MSC) ships, Navy Coastal Warfare patrol craft, and assistance with repairs to the radar of a visiting Turkish warship. Throughout, EMORY S. LAND masterfully overcame adversity and challenges, most notably the availability of unique parts and material, unavailable technical documentation, adverse weather conditions, frequent and highly disruptive mooring changes, and the dynamic unit scheduling inherent in wartime. Through it all, EMORY S. LAND fully supported all ships including; submarines AUGUSTA (SSN 710), BOISE (SSN 764), MONTPELIER (SSN 765), NEWPORT NEWS (SSN 750), PITTSBURGH (SSN 720), PROVIDENCE (SSN 719), SAN JUAN (SSN 751), and TOLEDO (SSN 769); surface ships DEYO (DD 989), MITSCHER (DDG 57), THEODORE ROOSEVELT (CVN 71), WINSTON CHURCHILL (DDG 81), and GRAPPLE (ARS 53); mine counter measure ships CHIEF (MCM 14), DEVASTATOR (MCM 6), SENTRY (MCM 3), and SCOUT (MCM 8); U.S. Coast Guard cutters KNIT ISLAND, GRAND ISLE, and PEA ISLAND; MSC ships ARCTIC, and JOHN LENTHAL; and U.S. Army landing craft BUENA VISTA, CHURUBUSCO, and CORINTH.

(2) EMORY S. LAND thrives on unusual and complicated repairs, repeatedly demonstrating immediate responsiveness, completing challenging work on time supporting scheduled combat re-deployments. Significant accomplishments include:

(a) Pre-positioned in the harbor of Souda Bay, Crete, EMORY S. LAND was placed in close proximity to the Eastern Mediterranean and Red Sea areas of operations and proved its worth as an effective force multiplier. The specific Casualty Report repairs and maintenance actions during Operation IRAQI FREEDOM include:

1 USS AUGUSTA (SSN 710):

Trim Pump replacement: Both pump and motor were replaced while at anchor. Very challenging as a result of weather conditions and sea state.

Port SSMG: Replaced the aft bearing and repaired damaged electrical components. Required parts fabrication and electroplating.

2 USS BOISE (SSN 764):

VLS Tubes: Replaced diaphragms on tubes 8 and 12. Without these diaphragms the ship would not be able to deliver a full salvo of weapons. This repair enabled the ship to fully complete its assigned tactical strike.

Type 8 Periscope replacement: No. 1 periscope was replaced while at anchor. The antenna was electrically and optically refurbished. This type of repair had not been accomplished on a submarine tender since 1997.

No. 2 Periscope: The Extremely High Frequency (EHF) radome was replaced. This repair required detailed work on the top of No. 2 periscope. It was completed in adverse weather conditions with the mast installed.

3 USS TOLEDO (SSN 769):

No. 2 Periscope: Repairs were made to the No. 2 periscope radome overnight, prior to the ship's urgent departure. Ship alongside time was 26 hours. During a second alongside availability, repairs to the No. 2 periscope training handle were affected to allow the elevation of the head window to be controlled from below.

4 USS PROVIDENCE (SSN 719):

ALP-278/279 valve replacement: The induction pipe, hull and back-up assembly were replaced. This required complex and

imaginative rigging and detailed precision machining to make adapters for the associated reach rods.

5 USS PITTSBURGH (SSN 720):

VLS Hatch repair: The VLS hatch was damaged during underway and was unable to be locked shut. Temporary repairs were effected to allow the submarine to safely transit back to home port after a successful strike mission.

MINI-DAMA: Repaired patch connections within the MINI-DAMA to restore full Satellite Communications (SATCOM).

Fairwater Planes Ram repair: The installed packing was leaking at an extremely high rate. Packing was replaced in one day.

HF transmitter: Replaced the HF transmitter on the AN/BRA-34 multi-purpose communications antenna.

External Hydraulic Pump repair: Replaced cracked external hydraulic filter block assembly.

6 USS SAN JUAN (SSN 751):

No. 3 ASW Pump Mechanical Seal replacement: Replaced defective mechanical seal on the No. 3 Auxiliary Sea Water (ASW) pump.

7 USS WINSTON CHURCHILL (DDG 81):

Variable Pitch Hub: Divers investigated a loss of hydraulic pressure to the variable pitch hub and affected repairs to allow the propeller to "free-wheel" instead of being immovable. The emergent temporary repair facilitated a three-knot speed increase as a result of not having a "locked" shaft.

8 USS DEYO (DD 989):

Low Pressure Air Compressor repair: Removed, rewound and reinstalled compressor motor. Required tool and part fabrication.

No. 3 Fire Pump repair: The No. 3 Fire Pump had a pipe leak on the discharge side of the pump. The pipe was replaced and hydrostatically tested.

No. 2 Condensate Cooler repair: The cooler was leaking from the end bell and had a low heat transfer rate. A previous attempt by ship's force to repair the leak proved unsuccessful. The cooler was mechanically cleaned, repaired, regasketed and hydrostatically tested.

9 USS BRISCOE (DD 977):

Waste Heat Boiler: No. 2 Waste Heat Boiler was out-of-commission due to a salinity cell connection leak. The salinity cell isolation valve was removed and replaced to restore full system operation.

No. 5 Fire Pump Motor repair: No. 5 Fire Pump Motor was grounded. The motor was left on board EMORY S. LAND due to time constraints. The motor was rewound and shipped to BRISCOE's home port for reinstallation.

Chill Water Pump: The pump was grounded. Working day and night for three days, the pump motor was refurbished, rewound and returned to service in time for pre-underway use.

10 USS CAPE ST. GEORGE (CG 71):

No. 2A Lube Oil Service Pump: Deployed a fly-away team to a remote port to remove the No. 2A Lube Oil Service Pump and reinstall a new one.

(b) Mission commitments required USS SAN JUAN (SSN 751) to deploy with only a partial installation of a one-of-a-kind antenna system necessary to support Operation ENDURING FREEDOM missions. The installation was to be completed during first availability alongside EMORY S. LAND. Originally, the FMA was tasked with providing only minor support to installing activity representatives, but testing revealed numerous, significant problems with the unique equipment. This required EMORY S. LAND to perform a variety of urgent, detailed SABS SAFE jobs to repair the system, with minimal technical guidance, under severe time constraints. All work was performed with first-time quality, eliminating the need for additional support from stateside technicians, minimizing operational impact, and allowing the ship to perform its mission.

(c) Restored full operational capability of the engineering plant of the Sixth Fleet flagship, USS LASALLE (AGF-3), supporting crucial underway operations. Major engineering plant components were fully restored and weld-replacement of numerous vital propulsion plant steam valves were made.

(d) Coordinated and supported Nuclear Regional Maintenance Depot (NRMD), Norfolk's repair of VO-3 on USS MIAMI (SSN 755). This was the first coordinated operation with NRMD on board EMORY S LAND since 1998. The evolution was evaluated as extremely successful by NRMD, highlighting the continuing

need for a tender in the Mediterranean AOR to support nuclear work.

(3) In total, the FMA accomplished 48 submarine availabilities, completing 1,562 jobs and expending 70,584 man-hours. Additionally, they completed 22 surface ship availabilities consisting of 1,469 jobs where 42,887 man-hours were expended.

(4) Always ready to support and respond to immediate tasking, EMORY S. LAND flawlessly coordinated the manning, travel, country entry arrangements, material shipment and technical support of 66 Fly Away Teams (FATs) to ships in 34 different locations throughout Europe, the Eastern Atlantic, and Southwest Asia. These FATs corrected 27 CASREPs, performing emergency repairs to numerous valve, periscopes and antennas on submarines and surface ships, greatly improving the effected combatants' ability to remain on station and complete assigned tasking. Because FATs execute at remote locations they require precise and careful planning to ensure necessary material, prefabrication, technical instruction, and resource needs are exactly defined. The 100 percent success rate of these FATs combined with the unsolicited praise of ships repaired attest to the excellence of EMORY S. LAND ability to plan, engineer, and execute critical emergent work on all class ships.

(5) In addition to normal underwater husbandry and maintenance work, the EMORY S. LAND's 25-man Dive Locker directly supported Operations ENDURING FREEDOM and IRAQI FREEDOM, as well as Force Protection (FP) initiatives both in and away from home port. The versatile Dive Locker crew maintained vigilant patrols and inspections to ensure the safety of EMORY S. LAND and all tended units. Highlighting their achievements, the Dive Locker completed:

(a) The first-ever waterborne submarine Secondary Propulsion Motor (SPM) hoist cylinder overhaul on USS DALLAS (SSN 700), a task previously considered to be "not achievable" by a FMA without drydocking. Custom tooling and equipment were manufactured in the FMA Machine Shop to perform this CASREP repair, with input from the Planning and Estimating Division as well as from the divers performing the work. Completion of this vital repair allowed the ship to remain in theatre, and saved 1.5 million dollars in dry docking expenses.

(b) In close association with Electrical Repair Division, a Vertical Launch System (VLS) fire control system

electrical cable was manufactured and installed by EMORY S. LAND's Dive Locker on USS ANNAPOLIS (SSN 760). Replacing this cable presented significant ship ballasting concerns since it penetrated the airtight bulkhead from the VLS area into Main Ballast Tank (MBT) No. 3 where it connected to the pressure hull. Identified during testing alongside, this challenging job required careful planning and close coordination between the FMA and ANNAPOLIS to maintain maximum safety for the work that involved flooding down the MBT after pumping the sonar dome. The cable installation was performed expeditiously and with first-time success, restoring the weapon system to 100 percent capability.

(c) An Auxiliary Propulsion Unit (APU) on USS KAUFFMAN (FFG 59) was replaced by divers on a FAT to CENTCOM. This large job involved cofferdam installation, complex rigging from well below the waterline, and making both mechanical and electrical connections. The rapid response EMORY S. LAND provided to get the dive team on site, along with spending only four days replacing the APU, was commended by the KAUFFMAN's Commanding Officer and COMSERVFORSIXTHFLT, specifically noting the ability of KAUFFMAN to continue Fifth Fleet operations without material degradation.

(d) After a submarine grounding near La Maddalena, Italy, EMORY S. LAND machine shops and divers effected temporary repairs to the hull, acoustical tiling, and rudder to enable the submarine to safely return to Norfolk Naval Shipyard.

c. Mobility and Operations:

(1) Operating 24 hours a day, 365 days a year, La Maddalena Port Services, manned and operated by EMORY S. LAND, provided mission essential water taxi service to get Sailors to work on time. They supervised the transport of 2,600 passengers per day, logging over 50,000 miles per year. Port Services personnel maintain three 40 year-old tug boats in pristine condition despite limited COSAL support. Displaying exceptional navigation and seamanship, the tug crews completed over 200 accident free submarine and surface ship landings, at-sea personnel transfers, and yard crane and barge movements.

(2) EMORY S. LAND is ready and able to get underway, anytime without notice, to anywhere in theater, operating independently or as part of a Task Force or Battle Group.

(3) Safely navigated over 28,000 miles, covering over 80 percent of the Mediterranean Sea, meeting all assigned tasking by Group and Fleet commanders. Conducted 78 navigation details with zero incidents into 13 foreign ports and 4 countries. Conducted numerous precision anchorages in Souda Bay, Crete.

(4) Conducted a month long deployment in support of Operation ENDURING FREEDOM, visiting two countries, and conducting maintenance on five tended units. EMORY S. LAND deployed to the most significant area of operations, reducing transit time for defensive forces, and allowing more time on station to conduct Maritime Interdiction Operations.

(5) Deployed to Souda Bay, Crete for 71 days in support of Operation IRAQI FREEDOM, executing 6 berth shifts, 12 Navigation Details, 24 days at anchor, 7 FMA availability periods and 90 weapons moves.

(6) Quintessential authorities in submarine and surface ship support, they were the architects of 39 submarine and 12 surface ship moorings in support of units of the Sixth Fleet and NATO allies. Several of these moorings occurred while deployed to a remote site in support of Operation IRAQI FREEDOM. Additionally, Deck Department performed the first ever mooring of four 688 Class submarines along one side of the tender at the same time. The ability to accomplish this mooring served as a force multiplier and enabled these units to receive critical provisions and weapons reload as well as repair support.

(7) EMORY S. LAND technicians designed and implemented a self-help project to provide high speed SIPRNET and NIPRNET connectivity to tended submarine units. This system used installed equipment onboard the submarine with minimal changes to the submarine's router configuration allowing a transparent shift between inport and at sea operating modes. All equipment was procured from disposed SUBLANT assets at no cost to the government. This initiative enabled tended units to perform mission critical functions using EMORY S. LAND connection instead of limited access with the submarine ADNS system.

(8) Expanded the use of SIPRNET CHAT communications with Tactical/Communication Watch Officers of Task Force and Staff

units, resulting in rapid sharing of intelligence and operational traffic while streamlining information flow. This capability was incorporated into the Communications Plan and was instrumental in the successful coordination of an emergency medical evacuation at sea, and by Submarine Squadron TWO TWO (CSS-22) to coordinate emergent changes to schedules of deployed submarines.

(9) Supported 25 visiting submarines and 5 surface ships by providing general message, NIPRNET/SIPRNET access, and pre-underway radio checks. Six submarines and two surface ships were serviced during Operation IRAQI FREEDOM. All units expressed extreme gratitude for EMORY S. LAND communication support.

d. Logistical Support:

(1) Provided world-class logistics support, repair, maintenance and provisioning to surface ships and submarines during Operation IRAQI FREEDOM. Provided logistics support for twenty-four tended units with 584 FMA jobs completed, totaling 882 thousand dollars. Essential to weapons and maintenance support for units involved in combat during Operation IRAQI FREEDOM, this effort was all the more impressive as the ship performed these feats without the assistance of an on-station Auxiliary Food Stores (AFS) ship for provisions and stores or Task Group support. Over 3,000 pallets of material, parts and provisions were coordinated for delivery through three independent beach detachments established for the operation. This monumental effort was the single most important factor in the Nation's ability to use submarine and minesweep assets in direct support and engagement during Operation IRAQI FREEDOM. All operations and infrastructure support were developed from organic assets without outside assistance. The Supply Department used innovative contracting in partnership with various commands to off-load hazardous waste water from a supported unit that allowed successful weapons re-load in direct support of the war. Numerous political, physical, technical, and fiscal obstacles were hurdled to fulfill this requirement.

(2) Conducted multiple elaborate evolutions supporting maintenance efforts for forward deployed forces operating in the Sixth Fleet. Organized receipt of over 4,050 pallets of stock and Direct Turn Over material. Completed the transfer of spare part and consumable issues to tended units valued at 6.25 million dollars. Processed 6.25 million dollars of issues for customers of the Logistic Support Center. Received, processed,

and stored material valued at 15.1 million dollars. Completed 590 precise and flawless Government Purchase Card procurements valued over 557 thousand dollars. Expertly carried out 123 contract actions valued at 2.84 million dollars. Completed over 10,000 crane and elevator operations with zero safety incidents. With continuous support of multiple classes of ships, the net effectiveness of the ship reached 94 percent, surpassing the set TYCOM goal of 90 percent. Gross Effectiveness improved to 80 percent, above the TYCOM goal of 75 percent. Material Outstanding Validity (MOV) of the ship's stock and direct turnover requisitions reached a high of 98.6 percent, above the TYCOM goal of 98 percent.

(3) Perfectly managed a 20.3 million dollar grant of multi-funding lines. Guaranteed funds were obligated to 100 percent on a quarterly basis, thus ensuring maximum use of scarce resources. Through insistent processing of Aged Unfilled Order Listing (AUOL) and Summary of Financial Difference Obligation and Expenditure Listings (SFDOEL), the department recouped 525 thousand dollars in funds for other priorities. Planned and improved the comprehensive list of unfunded priorities during FY 2003, resulting in the commitment of additional funding for fundamental equipment and materials during FY 2003.

(4) Maintained inventory validity of the 23.3 thousand line item stores, valued at 21.8 million dollars, above 96.7 percent during Operation IRAQI FREEDOM and the constant support of tended units. Inventory adjustments were managed at 1.46 percent by the end of September 2003, meeting the TYCOM goal of 1.5 percent.

(5) Winner of the 2003 and 2004 Captain Edward F. Ney Award for Food Service Excellence in the Large Afloat Category after being awarded Runner-up for the two preceding years. Excellent results during November 2003 Supply Management Inspection. Received outstanding grades on CINCLANTFLT Disbursing audit, Personnel Administration and Training Team (PATT), Environmental INSURV and CINCUSNAVEUR Postal Inspection. Navy Food Management Team declared EMORY S. LAND food service as one of the best operations in the Fleet.

(6) Won the FY 2003 Atlantic Fleet Excellence Award for Outstanding Ship Store operations. More importantly, the S-3 Division had a dramatic positive impact on the outstanding Quality of Life for tended ships and submarines. The ship's store generated 182 thousand dollars in profits on sales of

1.302 million dollars, an increase of 20 percent from the previous year. These profits funded a robust Morale, Welfare and Recreation (MWR) program. Set four consecutive sales record months in which over 100 thousand dollars in sales were generated. Exceeded quarterly stock-turn levels for every reporting period. Stock turn surpassed the prescribed goal of 4.00 with an amazing 5.7 margin. Processed over 60,000 pounds of laundry, and gave over 11,000 haircuts. Ship's Store, Land of Snacks, laundry, and barber services were offered as services to tended units, including the option of after work hours and weekend services.

(7) Provided disbursing, travel, check cashing, and all foreign currency services for a crew of 1,250 Sailors and all tended units. As noted in the highly successful CINCLANTFLT Disbursing Audit, AS-39 flawlessly processed over 3,200 travel claims. Similarly, disbursing provided foreign exchange of local currencies. Disbursing Division managed an impressive 20 million dollars in payroll and other entitlements. Flawlessly exchanged over 2.9 million dollars in foreign currency and made over 1.08 million dollars in disbursements.

(8) Significantly improved supply customer service to supported surface ships and submarines. Planned, designed, built and opened LANDMART. LANDMART is a large office supply and tool ready-issue walk-in storeroom that reduced paperwork for customers. Shoppers are able to pick-up multiple items with a single request form. Implemented a core submarine paint stocking and issue procedure that increased the ability of customers to perform preservation and painting in La Maddalena, Italy. Made 2,200 issues of paint valued at 225 thousand dollars, with 33 percent of that amount coming from re-use "free issue." Safely processed 1,025 drums of hazardous waste for tended units.

(9) Major shipboard Quality of Life and material upgrades were also completed. Closely coordinated over 1.1 million dollars in deck refurbishment contracts to replace over 100,000 square feet of deteriorated, rusted and unsightly decks. Oversaw a ship's force and contractor joint installation of a new security system for ship stores, Disbursing and the Post Office. The new system, costing less than 80 thousand dollars, includes audible alarms, key card entry and videotape cameras and monitors. Used innovative and unique logistics, and knowledge of financial management and budgeting, to allow for over 1.5 million dollars worth of dining facility upgrades. These improvements were done for the first time ever outside of

the shipyard environment and required close coordination and planning across many departments to ensure no interruption of services or performance. Renovations included complete replacement of all serving lines, beverage lines, overhead lighting and ceilings, and numerous pieces of galley equipment including reefers, steam kettles and deep-fat fryers. In partnership with DPSC, through the Prime Vendor Program, this effort saved the ship immeasurable man-hours and not only improved the appearance of all dining facilities, but significantly increased crew morale. Procured all equipment for major ship's force projects including an Internet Café and Learning Multi-Media Resource Center. Upgraded the material condition and equipment in the ship store outlets and the barbershops.

(10) EMORY S. LAND drove front-line logistics support and tailored it to current demands of the war fighter. Installed a new Tender Load List (TLL), which involved a 50 percent turnover of a 22 million-dollar inventory. All material was required to be packaged, shipped and accounted for from our forward-deployed remote location. This effort is usually only completed while a ship is in a shipyard or overhaul environment. Efforts resulted in significantly increased inventory validity and a dramatic raise in effectiveness. Along with these inventory efforts, the Supply Department spearheaded an effort to decrease redistributable assets on board (RAB) to below Type Commander thresholds which allowed for over two million dollars in inventory to be sent to where it was needed most and not languishing in storerooms.

e. Medical and Dental Services:

(1) Understanding the importance of mission readiness and knowing the difficulties and the costs of medical evacuations, EMORY S. LAND Medical Department facilitated more than 2,400 medical exams and procedures for all visiting submarines and surface ships. These efforts, without question, prevented potential MEDEVACs and kept the fleet 100 percent operationally ready during increased operational tempo.

(2) EMORY S. LAND brought specialized medicine to the deck plates, including orthopedics, optometry, psychiatry and dermatology. More than three hundred crewmembers were examined on board the ship vice being evacuated to Naples, Italy, Landstuhl, Germany or Rota, Spain. This reduced time lost from work by more than 5,000 man-hours, and saved the command more than 170 thousand dollars in travel and accommodations costs.

(3) EMORY S. LAND provided outstanding comprehensive dentistry services to members of the Sixth Fleet deployed units in the Mediterranean Sea. In the first six months of 2003, the Dental Department provided over 11,700 clinical procedures and performed over 2,000 dental examinations. Over 200 active duty members from 13 tended Naval units were provided routine and emergency dental services. In addition to providing direct dental support to deployed tended units, the Dental Department consistently maintained operational dental readiness for ship's company above 96 percent. The oral health and wellness for active duty members deployed on board Sixth Fleet units were directly enhanced by these efforts.

(4) The Medical Department distinguished itself by receiving a C-1 status of 100 percent on its June 2003 Medical Readiness Assessment. This inspection tested the department's capability to respond to any type of medical emergency. The inspection covered all aspects of operational medicine including Emergency Medical Preparedness and Environmental Health Services. The success of this year's assessment is a prime example of the Medical Department's positive and critical impact it had on the mission readiness of units operating in support of Operation IRAQI FREEDOM.