

All On Board



Fleet Training

June 2012 Vol. 2

Welcome

Welcome to this edition of the SOBT Quarterly Newsletter. In the last edition, I discussed the improvements to the quality and method of delivery of SOBT training products. In this edition I will discuss how you can help to ensure the quality of this training is what you expect. SOBT is not immune to the cuts in the FY13 Navy budgets. Because of this, we are focusing our efforts on updating and maintaining our existing products, especially those that will impact ship-

board and watchstation qualifications. With SOBT products now a part of these qualifications in the Continuing Training and Qualification Manual, SOBT has to ensure all products meet the requirements for the qualification goals. If you see a problem or issue in a SOBT product, report it.

In an attempt to make this feedback mechanism easier for you on the boat, we have developed a new forum for reporting training issues. This forum is located at: <https://www.csp.navy.smil.mil/JFORUM> on the SIPRnet. At this site, you will notice that SOBT is at the top of the Submarine Learning Center list. This forum will also provide a means to provide feedback for all Navy training. The existing methods of using the SOBT website on the NIPRnet, or contacting SOBT directly are still available for reporting issues with SOBT products.

Feedback is important, and by providing feedback, you will help your shipmates, and you will help

maintain the safety and excellence of the Submarine Force.

Commanding Officer
Submarine Learning Center

Director's Note

Teamwork

Last year, SOBT coordinated completion of a comprehensive review of our products with each of the learning sites. The goal of this review was to identify the products that are no longer relevant to the fleet, and which products required corrections for technical errors resulting from equipment and procedural modifications. This effort represented nearly six months of work from the staff of each submarine learning site. During our review of the comments, we have discovered that many of the sites are still using outdated versions of training products. Many of the comments that were generated from the review were corrected in the current product version.

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Although SOBT distributes updated products to all commands on distribution, SOBT must rely heavily on each command's SOBT coordinator to get the word out to their staff members and to replace outdated products with the newer versions. It is apparent that the Sailors using the products are frequently unaware of what has changed.

Over the past two years, SOBT has produced 61 new products and revised 166 products in our catalog, representing a quarter of our total catalog. We are currently changing on average 25 products each quarter. This means that the products in our catalog change frequently and it is important to ensure that you are using the most up to date version. The current catalog can be viewed on the SOBT web site available on the Internet¹.

Changes in the SOBT catalog are communicated in several different ways. First, SOBT issues a bi-monthly SOBT Distance Support email to all SOBT coordinators. This email is produced by our NUWC Distance Support team and lists all new, revised, and deleted products that were issued during the quarterly distributions. The second method for communicating changes to the SOBT catalog is the SOBT newsletter that is issued with each quarter's distribution. Last, beginning with the first quarter of 2012, SOBT has begun sending a status report to each of the learning sites. This report details which products were changed that affect formal courses, product changes that have been completed or are in progress for each mission area, and ESL items that were corrected during that distribution. Staff at each of the learning sites can obtain the summary report from their Learning Standards Officer (LSO).

Our Fiscal Year 13 Priority list was developed and prioritized using the feedback from the review last year. SOBT is working hard to correct these errors and has already fixed deficiencies in 11 products.

Fifty-two additional deficiencies are currently being planned for correction in the upcoming devel-

opment year.

I encourage each of you to contact SOBT with your inputs.

¹<https://www.netc.navy.mil/sobt/web/catalog/catalogframeset.html>

SOBT Director

Weapons

Torpedo Division

SOBT has just released the SSN 21 Internal Auxiliary Launcher (IAL) Normal Operations DODUSNSLCSOBT_11004. This course addresses the knowledge requirements for the IAL Qualification Card, to include: duties and responsibilities of the IAL Operator; principles of operation and indications of the IAL support systems (hydraulics, air, seawater, electrical, and hand pump operations); all modes of operations; location of all major valves and electrical components; all associated interlocks and safety precautions. This course provides a virtual line-up so you can practice valve line-ups and performing initial conditions in accordance with the OD 44979 series.

Courses that are currently in production:

- SS Submarine Small Arms Training
DODUSNSLCSOBT_04052
- SS Tomahawk Cruise Missile Characteristics
DODUSNSLCSOBT_03039
- SSN 688 BSQ VLS
DODUSNSLCSOBT_97046

TM Weapons/Force Protection Project Manager

On the Cover: USS Virginia (SSN 774)

Designed with the post-Cold War security environment in mind, the USS Virginia embodies the war fighting and operational capabilities required to dominate the littorals while maintaining undersea dominance in the open ocean. (U.S. Navy photo by Gen-



Engineering

New or Exciting?

As with most things in the nuclear world, the wheels of change tend to spin a little slow. We are currently finishing up our last few Basic Engineering Qualification (BEQ) products. Based on budget limitations we do not expect to add new products in this area for the foreseeable future. However, we think you will find this catalog is extensive and covers most topics. What we are doing now is maintaining and upgrading our current library. This includes consolidating products under one course.

This is most evident with the SSBN/SSGN training products. Instead of two separate products, the new course will provide the baseline information to all users and then branch off to show the specific information related to the class of boat that was selected, either SSBN or SSGN. We are also upgrading the programming environment that our courses run in. With this in mind, now would be a great time for you to give us feedback on courses that could be improved.

The more specific information you can provide with your comments, the better! Provide screen numbers and what we could change to make the course help Sailors better understand the material. Also provide feedback on courses where there are areas that the course does not cover adequately.

Nuclear Engineering Project Manager

SSN BSQ

SSN BSQ Product Updates

In meeting SOBT's goal of providing quality training products to the submarine fleet, the following Basic Submarine Qualification products have been updated and distributed to the fleet with the latest SOBT Distribution.

- DODUSNSLCSOBT_05116 SSN 21 BSQ Arctic

Blow System

- DODUSNSLCSOBT_05123 SSN 21 BSQ EMBT and LP Blow Systems
- DODUSNSLCSOBT_05121 SSN 21 BSQ Tanks and Compartments
- DODUSNSLCSOBT_05122 SSN 21 BSQ Ventilation and Snorkel System

These products will provide valuable information for those individuals beginning their Submarine Qualification program.

SSN BSQ Project Manager

SSGN/SSBN

Submarine Onboard Training provides Basic Submarine Qualification (BSQ) training modules for the SSBN/GN class covering all portions of the ship's basic qualification card. This includes all major ship's systems and equipment, from the Torpedo Room to shaft alley. BSQ training products are stand alone modules that enable all qualifying personnel to have the same base line knowledge for the systems and equipment while in the qualification process.

SOBT is currently working to combine the SSBN and SSGN class products to improve quality and reduce development costs. There are currently twelve SSBN/GN Class products being combined and updated, with a release to the fleet by the Third Quarter of FY13. Once available, I highly recommend using these products in your qualification program, as these products are designed to give the fleet a higher baseline level of knowledge.

This is the list of the products that have been released to the fleet since January 2012:

- SSBN/SSGN BSQ Mooring, Anchoring, Towing and Drydocking: DODUSNSLCSOBT_03124
- SSBN/SSGN BSQ Nitrogen, Oxygen, CO2 Scrubbers: DODUSNSLCSOBT_03096



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This is the list of the products currently being updated:

- SSBN/SSGN BSQ 3-inch and 6-inch Launchers: DODUSNSLCSOBT_03114
- SSBN/SSGN BSQ Emergency Flood Control System: DODUSNSLCSOBT_03094
- SSBN/SSGN BSQ Main Ballast Tank Blow System: DODUSNSLCSOBT_03088
- SSBN/SSGN BSQ Torpedo Tube: DODUSNSLCSOBT_03128
- SSBN/SSGN BSQ Bridge: DODUSNSLCSOBT_03108
- SSBN/SSGN BSQ Central Atmosphere Monitoring System: DODUSNSLCSOBT_03115
- SSBN/SSGN BSQ Chilled Water System: DODUSNSLCSOBT_03104
- SSBN/SSGN BSQ Auxiliary and Gravity Drain: DODUSNSLCSOBT_03052
- SSBN/SSGN BSQ CO-H2 Burners: DODUSNSLCSOBT_03097
- SSBN/SSGN BSQ O2 Generators and Candle Furnace: DODUSNSLCSOBT_03098
- SSBN/SSGN BSQ Steering and Diving Control System: DODUSNSLCSOBT_03092
- SSBN/SSGN BSQ 400 Hz Distribution: DODUSNSLCSOBT_03101

SSBN/SSGN Project Manager

Navigation

I would like to take this opportunity to introduce myself and provide you with my background. I am ETC(SS) William Daly and I recently relieved ETC(SS) Thomas Jackson as the Navigation Project Manager at SOBT. Prior to reporting to SOBT,

I was the Assistant Navigator of the USS Memphis (SSN-691). I have served on two other submarines, the *USS Springfield (SSN-761)*, and the *USS Asheville (SSN-758)*.

Since reporting to SOBT I have been actively involved with the development of Piloting Briefs, SUBSKILLSNET 8.0 and numerous other Quartermaster courses. We continue to work here to support the Fleet and provide good quality Computer Based Training courses for our Sailors and future Navigators.

I work with the TYCOMs, Force ANAV, Squadron ANAVs and various other ANAVs in Fleet to support you, the customer. We want to make sure the training we are providing in the Fleet is a continuation of training from the School House and Trainers. Again, I am here to support you.

If you have any questions, lessons learned, or other inputs feel free to contact me and we can and will work together to improve our products. My contact information is listed on the last page.

Navigation Project Manager

Fire Control

New for Fire Control technicians is CBOT Version 16!

This version brings a host of improvements over its predecessor including improved Time Range/Time Frequency plot functionality. This version also provides upgraded TMA Tactical Control Displays with a TI08 APB07 baseline and Common Broadband (CBB) Contact Data Area. Weapons Display Overlay has been implemented in the TMA Geoplot functions to provide additional training value. This will be the last version of CBOT to be developed by SOBT as we shift our priorities to update existing Fire Control training products. Send me your suggestions for improving the available SOBT products. Our contact information with NIPRNET/SIPRNET email addresses and phone numbers can be found on your ships SOBT webpage under the help icon.

Fire Control System Project Manager





Auxiliary Division Training

Submarine Auxiliary Men

Two training products for the Auxiliary Division are nearing completion and will be distributed to the fleet with summer. The first product is Hatch Maintenance (DODUSNSLCSOBT_98124) and will be distributed in June. This module will provide training to the Auxiliary division for the inspection and maintenance of the ship's watertight doors and hatches. It uses the current procedures required to perform the inspection maintenance. The training covers the purpose, safety precautions, and general steps required to perform the inspections and preventive maintenance for watertight doors and hatches using up-to-date photos of these procedures being performed.

The second new product covers diesel maintenance inspections and will be distributed later this summer. The Diesel Training Maintenance Video (DODUSNSLCSOBT_11011) is a video-based training product covering the SSN 688 Class Fairbanks Morse Emergency Diesel Engine maintenance requirements from the Planned Maintenance System (PMS) Maintenance Index Page (MIP) Series 3121/R11-41 and includes:

- 18M-2R - Measure Crankshaft Thrust/Crank Web Defections
- 18M-3 - Clean Intake/Exhaust Manifolds/Inspect Pistons Rings and Bearings
- 18M-4 – Inspect Scavenging Air Blower
- 18M-7 – Inspect Timing (Crank Lead) (Injectors)
- 18M-10R – Clean Crankcase Oil Separator
- 18M-14R – Change Oil in Governor/Verify Fuel Rack Alignment and System Stability
- 18M-20R – Inspect Vertical Drive and Flexible Drive

- 18M-22R – Inspect Main, Thrust and Connecting Rod Bearings

This video training product allows you to review the entire procedure, or just what you need to see prior to tearing into the diesel!

MHM&E Project Manager

SONAR

Hello shipmates,

I am STSC (SS) Antavius Mitchell, the new Sonar Project Manager. During my tour at SOBT, my goal is to increase the variety and effectiveness of Sonar training products available to the shipboard Sonarman, not only to make training more interesting, but also more effective.

Here is a list of the products that are being updated and will be released to the fleet in 2012:

- SS Active Operator DODUSNSLCSOBT_05006
- SS AN/BQQ-10 Sonar Supervisor DODUSNSLCSOBT_07040
- SS JO Sonar DODUSNSLCSOBT_00021
- SSN 774 Sonar Watch Principles DODUSNSLCSOBT_05035

All of these products are being revised to include the latest and greatest procedural documentation, as well as updating to a TI08 APB-09 baseline Sonar System.

As always, we are looking for suggestions on updates for existing courses and ideas for new ones as well.

Sonar Project Manager

