

All On Board

Fleet Training

March 2012 Vol. 1

Welcome

Welcome to this edition of the SOBT Quarterly Newsletter, providing you with the latest information on SOBT training products. Over the years, the quality and method of delivery of SOBT products have been improving. These improvements in quality have prompted the use of SOBT products as a requirement for watchstation and ship qualification. The SOBT training products are a part of the resources listed in the Training Toolbox of the Continuing Training Program, soon to be

the Continuing Training and Qualification Program.

What makes SOBT products the right tool for qualification? Simply put; subject matter expertise! SOBT products are developed with the help of fleet experts, to ensure the training is accurate and relevant.

Our SOBT products continue to make use of the latest technologies, including 3D graphics and animations to provide an effective, engaging training product that captures the attention of the Sailor and maximizes their ability to learn new information. SOBT training products are designed to provide each Sailor with the solid foundation they will need to assist them in their preparation for checkouts for their watchstation and ship qualifications.

Accessibility to the SOBT products is also important on getting the right training when needed. Having the SOBT products on-line ensures easy access 24/7. A catalog built into the web site allows the Sailors to find what they are looking for. The Training Toolbox also links the

training to capabilities, ensuring that the Sailors get the training they need to develop submarine core competencies.

The requirement for using SOBT training products to accomplish both watchstation and shipboard qualifications makes it even more important that all of our products provide the training you need. If this is not happening, then let us know so that we can best support the success of your crews.

Commanding Officer
Submarine Learning Center



Director's Note

Feedback Importance

During the summer of 2011, the Submarine Learning Center coordinated a comprehensive review of the SOBT catalog using instructors from each of the learning centers. The comments provided during this review have provided invaluable information to identify and prioritize the training products that need revision the most. However, these comprehensive

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Wardroom Training

SOBT Standards and Stereotypes

Whether you are a newly reporting JO, or a second tour CO, SOBT has more to offer than what you probably remember. SOBT products have evolved from slide presentations and beta max videos in the 1980's to the readily accessible LAN-based products they are today. Every year SOBT products are reviewed by fleet returning subject matter experts and sculpted to meet the demands of today's submariners. SOBT products have become the new standard in the school house, for qualifications, and with continual training.

SOBT products are available to provide officers valuable training throughout their careers. It starts with their time in SOBC where several SOBT products have become a requirement for successful graduation to the fleet. Once a JO checks on-board, he knows where to start training for any system or checkout. Just show a new JO where SOBT products are on the ship's LAN and he will be on the fast track to qualifying. The days of throwing a stack of books at a JO and telling him to qualify are over. Junior Officers will gain baseline knowledge from the SOBT products and be able to know which reference to dive into for a more comprehensive LOK.

Fleet returnees will find SOBT products infinitely improved over what they may remember. The misguided stereotype of limited accessibility and applicability are gone. Odds are you may have reported to a new class of submarine than the one you originally qualified on. With SOBT products you can quickly refresh and learn the differences between the different classes of ship. Lessons learned that you may have missed while on shore tour have never been more visualized and readily available with updates and year round support to make sure SOBT products remain up to date and available to the crew.

If you haven't looked at SOBT products in a while, look again. You will be impressed with how easy,

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reviews should not be the primary source for revising products. SOBT must get feedback from the Sailors using the products on board submarines to identify and fix errors in the training products. Each Sailor must understand that your comments are heard and acted upon. SOBT will follow up with each individual who provides input and communicate how their comment will be resolved.

There are many methods for sailors to provide feedback to SOBT. Feedback can be sent to SOBT via the unclassified SOBT website <https://www.netc.navy.mil/sobt/web/index.html>, the Common Problem Reporting System (CPRS) which is accessible via <https://www.cpr.npt.nuwc.navy.mil/>, and the simplest method is to email any of the staff members at SLC or SOBT. Contact information is provided at the end of this newsletter. NUWC is currently working on developing a learning management system (LMS), SEAWARE, which will provide an easy-to-use, integrated feedback system. SOBT anticipates delivery of SEAWARE to the fleet in 2012.

From the review completed by the learning sites, a dozen products were reported as no longer relevant to the fleet and comments were provided on several hundred other products that had various deficiencies from outdated references or equipment, incorrect information, and recommendations for improving the quality of training. These issues have been prioritized and will be addressed in upcoming distributions to the fleet.

The quality of our training products is largely dependent on the input we receive from you. You are our customer and we are counting on hearing from you.

SOBT Director

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 General Dynamics Electric Boat)



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relevant, and efficient they have become at rapidly accelerating submarine learning.

Wardroom Training

Communications

ESM

If you are prepping for a deployment, and you are not quite sure what some of those radars you are expecting to hear will sound like, or you have a new shipmate in the radio room that has no real world experience in ESM, SOBT has a tool for that. Take advantage of our SS EW Signal Recognition Trainer (DODUSNSLCSOBT_98046) courseware. This trainer is available in your SOBT library and will come in handy for everything from your basic signal recognition training, to just-in-time training for those contacts that were not expected. Just grab your favorite headphones or plug-in your favorite speakers and conduct individual or group training. SS EW Signal Recognition Trainer is fully customizable to fit any area of the world, just enter the parameters for any contact and you are on your way. These customizable parameters also allow the learners to experience signal strength differences. Take advantage of this valuable training tool designed for the ESM watch standers.

If you are looking to brush up on your WLR-8 knowledge, SOBT has a product to help you. The SSN AN/WLR-8(V)2 DD-CU OPERATIONAL EMPLOYMENT (DODUSNSLCSOBT_99020) product provides the opportunity to perform and practice various operations modes, including Scan Lock Mode, Direct Operator Control Mode, and Casualty/Backup Mode.

For maintenance training in your division, the SSN AN/WLR-8A(V)2 DD-CU MAINTENANCE (DODUSNSLCSOBT_00014) provides instruction on the major components, and the displays, controls, and indicators associated with the DD-CU. It describes the theory of operation and preventive/

corrective maintenance of the DD-CU Unit, Analysis Function, Activity/Buffer Functions and Processor/Display Functions.

Another maintenance product for the WLR-8 is the SSN AN/WLR-8A(V)2 HPI RECEIVER MAINTENANCE (DODUSNSLCSOBT_00015). This product provides training on the major components, displays, controls, and indicators associated with the AN/WLR-8A(V)2 HPI Receiver Maintenance. It describes the theory of operation and preventive/corrective maintenance, Analysis Function, Activity/Buffer Functions and Processor/Display Functions.

Communications Project Manager

Engineering

ENG SKILLS WHAT?

How many times have you heard the following statements? "We can't run any drills or evolutions in the engine room for the next (insert time period) because the ship will be (insert event)." "We can't startup the engine room for (insert time period) while the ship is in (insert event)." These are the times that SSN 688 Class ENGSKILLSNET (DODUSNSLCSOBT_03185A) can be of great training value to your men. While the plant may not be available, all that you need are a couple of laptop computers and the ENGSKILLSNET program and you have an instant engine room training environment. Each computer can be setup to simulate a different part of the engine room enabling you to have different watch stations performing tasks at the same time. Engineer general orders can be given out and the monitor can observe on the master computer as each person performs the assigned operation to complete the order. These operations are not limited to the engine room, maneuvering can also be simulated allowing for operation of the RPCP, EPCP or SPCP.

Just because the engine room is not operational or situations prevent you from manipulating it does



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not mean you can't train. If you have a couple of laptop computers, a training space, and ENG-SKILLSNET you have an engine room that is waiting to help you establish and maintain your proficiency operating the plant!

Nuclear Engineering Project Manager

SSGN/SSBN

Submarine Onboard Training provides several Basic Submarine Qualification (BSQ) 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 help reduce the total number of products we have. There are currently nine SSBN/GN Class products being updated and will be released to the fleet by the Third Quarter of FY12. Once available, I highly recommend using these products in your qualification program. I strongly believe these products will give the fleet a higher baseline level of knowledge.

This is the list of the products currently being updated:

- ◆ SSBN/SSGN BSQ Battery and DC Power Distribution System- DODUSNSLCSOBT_05039 Version 2.00
- ◆ SSBN/SSGN BSQ Hovering System- DODUSNSLCSOBT_03047 Version 5.00
- ◆ SSBN/SSGN BSQ Nitrogen, Oxygen, and CO2 Scrubbers-DODUSNSLCSOBT_03096 Version 5.00
- ◆ SSBN/SSGN BSQ Common Submarine Radio Room-DODUSNSLCSOBT_03131 Version 5.00

- ◆ SSBN/SSGN BSQ Sanitation and Plumbing System-DODUSNSLCSOBT_03112 Version 5.00
- ◆ SSBN/SSGN BSQ Anchoring, Mooring, Towing and Dry Docking-DODUSNSLCSOBT_03124 Version 3.00
- ◆ SSBN/SSGN BSQ Service Air System-DODUSNSLCSOBT_03087 Version 5.00
- ◆ SSBN/SSGN BSQ Ship Service Hydraulics System-DODUSNSLCSOBT_03090 Version 5.00
- ◆ SSBN/SSGN Helmsman/Planesman-DODUSNSLCSOBT_03134 Version 5.00

SSBN/SSGN Project Manager

Navigation

What has SOBT done to improve the Navigation training products for the Fleet? That is a question some ask and I wanted to take this opportunity to provide feedback to the Fleet about our improvements.

I want to encourage everyone to take a look at the most recently distributed piloting brief, SS Piloting Brief Seychelles, DODUSNSLCSOBT_10007, to see how we have improved the piloting products. You will notice that we have added enhancements such as the ability to export an XML file to be used to upload to VMS for voyage planning for entering various ports. This is significant as you now have the ability to import the file and have a basic plan to start planning, vice having to start from the ground up. This update was initiated by feedback we received from those attending the PANAV Course.

Another improvement is the incorporation of VMS type charts into the piloting product. Originally we used COGENT to introduce digital in addition to paper charts. Starting with the update to SS Piloting Brief Diego Garcia, anticipated release date of June 2012, we are using screenshots from VMS in

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the piloting briefs. This enhancement is an invaluable aid in recognizing where the NAVAIDs are relative to your actual VMS tracks.

Take time to look at these upgrades and provide your feedback to SOBT for future improvements. Understand we cannot update all of the piloting briefs at once, but we are improving the products as they are up for revision. We continue working towards improving our piloting briefs to be more useful in preparing your voyage plans and piloting briefs. As always, if you have any suggestions feel free to provide the feedback. We are here to support you, the Fleet.

SOBT Navigation Project Manager

Auxiliary Division Training

The update to the 6L16E Automated Electrolytic Oxygen Generator (AEOG), DODUSNSLCSOBT_03173, has been completed and was sent to the Fleet with the December 2011 distribution.

This update changes the product to current web training standards and allows it to be used on the ship's LAN, as well as a standalone computer. The requirement for the student to have a 3.5 inch floppy disk has also been deleted. During the update, numerous course content errors were corrected, including numbering sequences, exam errors, and incorrect images and graphics.

Auxiliary Division Project Manager

Fire Control

FT/ST Simulation Training

SOBT is expecting to release the long awaited new versions of Sonar Basic Operator Trainer (SBOT), DODUSNSLCSOBT_06044, and Combat Basic Operator Trainer (CBOT), DODUSNSLCSOBT_04021, with the March 2012 distribution. SBOT Version 4.0 will have the ability to simulate most of the

functions that are available to an operator on AN/BQQ-10 TI03 and 04 SAWS multi display, CEDAR, TAWS PBB and PNB, MSD, AN/BQQ-5E PBB, and AN/BQQ-10 TI 06 MAD. This product can be used for individual skill training, as well as in a team environment when paired with SUBSKILLSNET version 8.0. CBOT version 16 has been enhanced over previous CBOT releases and encompasses linked plot integration with a wider spectrum of functionality. Like SBOT, CBOT can be linked to SUBSKILLSNET for team training. ADCAP Post Launch Trainer (APLT) will stay at its current build (15.0). SOBT is currently working on its next generation APLT product that will include recent ADCAP builds. We will keep you informed as to when they can be expected in the fleet.

FT SOBT Project Manager

Basic Submarine Qualification 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_97028 SSN 688 BSQ Scrubbers and Burners
- ◆ DODUSNSLCSOBT_97025 SSN 688 BSQ Ships Service Air System
- ◆ DODUSNSLCSOBT_97044 SSN 688 BSQ Ships Stores Refrigeration System
- ◆ DODUSNSLCSOBT_97043 SSN 688 BSQ TDU and Trash Compactor

These products will provide valuable baseline system information and training for those individuals that are working on their Submarine Qualification.

SSN BSQ Project Manager