

Impact to SWO Community – FEB/MAR 2016

<p><u>LT Mills / LT Mattson: SMWDC Headquarters</u></p> <p>➤ <u>SeaRAM:</u></p> <ul style="list-style-type: none"> – Being installed on FDNF Rota ships to increase lethality against certain threats – Seven month process from conception to first install on an AEGIS unit – LT Mills (N5) served on team that developed SeaRAM TACMEMO – Turned signed TACMEMO over to LT Mattson (N3/7) who trained crew during CSSQT – High Velocity Learning 	<p><u>LT Blanco: CAEWWS</u></p> <p>➤ <u>Cross-WDC work with NAWDC:</u></p> <ul style="list-style-type: none"> – Trains Hawkeye WTI-candidates in Aegis C&L and employment – Fleet liaison for OS AIC training – Assists CVW Training Department with execution of Air Wing Fallon – Lead IAMD WTI for F-35 integration – Aegis Element Lead for Integrated Air Defense Course (IADC) within Air Defense Strike Group Facility (ADSGF)
<p><u>LT Chris Murphy: CSCS Norfolk</u></p> <p>➤ <u>Advanced Tactical Training – IKE CSG Live Fire:</u></p> <ul style="list-style-type: none"> – Planned and executed missile live fire that resulted in 6/6 kills on BQM and AQM AAW targets utilizing advanced tactics – Supported by IAMD WTIs from SMWDC HQ and Det Dahlgren, ATG-N, CSCS HQ, CSCS Mayport, and SMEs from SMWDC Dets Dahlgren and Little Creek 	<p><u>LT Sullivan: SWOS</u></p> <p>➤ <u>Counter-UAS Tactics:</u></p> <ul style="list-style-type: none"> – Worked closely with SMEs including JHU APL to determine C&L of blue systems – Uncovered potential operator actions to maximize effectiveness in C-UAS mission – Contributing to C-UAS TACMEMO under development by SMWDC Det Dahlgren – Briefed C5F (in theater) on C-UAS TTP

UNCLASSIFIED

This is snapshot in time (FEB-MAR) that represent a fraction of the work our IAMD WTIs are doing for the SWO community.

LT Josh Mills and LT Emma Mattson: SMWDC Headquarters. In order to meet our Community's call to deliver equipment to the Warfighters faster than the normal acquisition process, WTI's have been on the forefront on changing the timelines on tactics. SeaRAM is being installed on the FDNF Rota ships to increase their lethality against certain threats, enabling them to safely conduct their BMD mission. During SeaRAM's seven month process from conception to first install on an AEGIS unit, two IAMD WTI's were working to making sure the ship could use it effectively. LT Joshua Mills (class 15020) represented SMWDC's N5 Headquarters (HQ) staff on the team that developed the SeaRAM TACMEMO, which RDML Kilby signed in January. Josh turned the signed TACMEMO over to LT Emma Mattson (class 15030), who trained ship's crew in person during its CSSQT at the end of February. Both WTI's are working to ensure that lessons learned from the initial SeaRAM deployment are captured in updated doctrine, so that subsequent warships who receive the upgrade are prepared to fight with the latest tactics – Tactical Excellence By Design!

LT Andy Blanco: Carrier Airborne Early Warning Weapons School. Andy is a graduate of IAMD WTI class 15030 and reported to the staff of the Naval Aviation Warfighting Development Center, Fallon, NV in January. He is responsible for training Hawkeye WTI-candidates; is fleet Liaison for Operations Specialist AIC training; assists the CVW Training Department (STRIKE) with the execution of Air Wing Fallon, a month-long progressive training event where CVW aircraft execute live-fly events in a variety of mission sets to enhance proficiency and tactical execution standards prior to

integrating with CSG surface combatants during evaluated, at-sea events like COMPTUEX; and is the lead IAMD WTI for F-35 integration efforts, his focus area project during the IAMD WTI course of instruction. Andy is also is the Aegis Element Lead for the Integrated Air Defense Course (IADC) within the new Air Defense Strike Group Facility (ADSGF). ADSGF is the only Navy, multi-security level environment that supports synthetic NIFC-CA training for the Fleet.

LT Chris Murphy: CSCS Norfolk. LT Murphy (14020) was the lead IAMD WTI planner for the Eisenhower CSG missile exercise. End result was tactical excellence – 6 for 6 SM-2 kills on 5 BQMs and a supersonic AQM using advanced tactics. Chris was supported by the SMWDC detachments and several members of the IAMD WTI community who were on hand for the event (one WTI per firing unit).

LT Kyle Sullivan: Surface Warfare Officer School. LT Sullivan (15030) continued his focus area research into potential adversary unmanned aerial systems (UAS) capabilities and limitations. He has worked closely with subject matter experts including The Johns Hopkins University Applied Physics Lab (JHU APL) to determine the capabilities and limitations of existing blue force systems. His research has contributed keen insights into challenges associated with Aegis and SSDS detection and tracking of UAS, and uncovered potential operator actions to maximize warfighting effectiveness in the C-UAS mission. His work is being incorporated into a Counter-UAS TACMEMO under development by SMWDC Det Dahlgren. In early March, Kyle joined the SMWDC Det Dahlgren IAMD team on a visit to the CENTCOM AOR to brief the C5F waterfront on C-UAS TTP development, and provided operational support and subject matter expertise to the numbered fleet commander. While in theater he teamed with experts from Aegis BMD Fleet Shop (F-Shop), PEO IWS, NSWC Dahlgren, NSWC PHD and JHU APL to lead a guided discussion which incorporated theater threats, IAMD defense design, NIFC-CA/SM-6 employment, C-UAS and EMW in an operational employment construct