



Aviation Logistics Center The Flyer

ALC • Elizabeth City, North Carolina

September 2020 • Volume 3 • Issue 3

Inside This Issue

Welcome CAPT Wilson	pg. 1
School Supply Donations	pg. 2
Olympus G-Lite Video Scope	pg. 3
MSSL Shoots Into Space	pg. 4
CWO Saiyasak on USCGC CAMPBELL	pg. 5
Know Your Hurricane Risk	pg. 6
NSIV	pg. 7
Heroes of the Warehouse	pg. 8
Fox Scholarship	pg. 9
Visibility of HAZMAT Chemicals	pg. 10
CEOQ 1st & 2nd Quarter	pg.11-14
EPOQ Rotary Recognition	pg. 15
ALC Awards	pg. 16

ALC Welcomes CAPT Wilson...



From left to right: CAPT Hartnett, CAPT Wilson, RDML Moore standing in front of the Brad Bean Award after ALC's first virtual Change of Command Ceremony.

School Supplies Donations Needed

3-1

We will be collecting supplies for

JC Sawyer Elementary from:

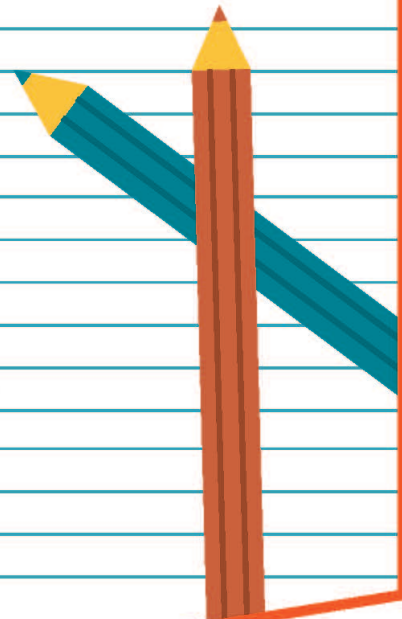
September 1st - October 1st

Donation boxes will be in each Breakroom

$$4 + 5 = 9$$



ABC



Advisory

Council

Olympus G-Lite Video Scope

Written By: Chris Barr, AGSE Equipment Specialist



ESD AGSE is going “high tech” with the new Olympus IPLEX G Lite industrial videoscope. The current version of our 4mm videoscope, the IPLEX RX Kit (\$26k ea.), has been discontinued by Olympus. Olympus will support their equipment for eight years thereafter obsolescence, but ESD AGSE needed to determine an acceptable replacement model when an Air Station’s RX model is Beyond Economical Repair (BER). The latest Olympus replacement model, the IPLEX GX Kit, came in at a staggering \$49k ea.

This compact G Lite videoscope is comparable to the GX model, but without the hefty price tag. At the same price as the current videoscope, the G Lite is only 2.5lbs with video screen and scope controls all in one unit, as compared to the heavier, two component RX and latest GX models.

The G Lite unit has the ability to take still pictures and record continuous video internally on the SD card, which is nothing new. What is new is the ability to thread videos and still images into one file. With the push of a button on the controller or using the touchscreen pad, take a still image while you’re recording a video. These images can be strung together for one video file with the stills acting as freeze frames.

Ever forget to hit record at the start of your inspection? No problem — the G Lite videoscope automatically records the last 30 minutes of your inspection, even between startups and battery changes.

What else does the G Lite videoscope have over the now obsolete model? WiFi! By connecting to the G Lite’s internal WiFi signal and through the use of the Olympus IPLEX Image Share© app, downloadable for iOS and Android, live images are streamed straight to your smartphone and/or tablet device via screen sharing. Up to five connections can be established. Watch the live video on your smartphone and/or tablet as seen on the G Lite screen. You can even record or take still pictures using your iOS and Android device separate from the G Lite images/recordings. The images are then saved to your device.

This screen sharing will allow for users in the field to transfer pictures or video to the unit Maintenance Officers using SMS or email straight from your iOS and Android device. No need to first download to a desktop.

The 4mm tungsten braided scope probe, with LED illumination and a 130° articulation tip, will allow full viewing angles in all those tight airframe and engine spaces. With four standard viewing tips, two straight and two 90 degree, the IPLEX G Lite videoscope is equipped with a scaler measurement tool that enables you to size objects using a preset reference. For even more advanced functionality, ESD selected the optional stereo measurement functions and two additional stereo tips to also size objects using precise three-dimensional coordinates.

With a 90-minute battery life, a spare battery in the storage case, and the capability to run on 110vAC, there will be no inspection too lengthy or too detailed that this G Lite unit cannot handle in USCG aviation.

MSSL Shoots 22,236 Miles into Space Directly Over the HMF

Written By: CWO2 James D. Brewton



AET1 Abu-Zahra designed a custom installation for Bldg 80.



The MSSL's HC-130J Mock-Up as seen on the MINOTAUR Network as the 2001 lands.

The Mission System Sustainment Lab (MSSL) recently shot a beam of electromagnetic energy into space directly over HMF 2 at approximately 1,600 Megahertz. This successful transmission (and subsequent reply from an I-4 satellite) marked the completion of the HC-130J MINOTAUR Mock-Up. As a fully functioning replica of the airborne system, the mock-up will be an invaluable asset for the fleet. It's used for testing, troubleshooting and even training for both hardware and software on the most advanced mission systems flown by the USCG, Navy, and CBP. The completed MINOTAUR suite includes functionality with, but is not limited to the following systems:

- HSD-400 Commercial Satellite / Swift Broad Band
- AIS
- ADS-B
- EGI Nav Source
- 380HD FLIR Turret
- SBU Laptop interface
- Cockpit Tactical Display
- Selex RADAR simulator
- Secure Telephone Equipment (STE)
- Mission Control Display Unit (MCDU)
- All associated mission radios controlled via MCDU



Left to Right: AETC Scott Lee, Amy Bailey, James Bailey, and AET1 Fathi Abu-Zahra

For all the hard work and dedication of the talented MSSL personnel, thank you.

For those in rotary not familiar with MINOTAUR, it's software that takes in target data from the aircraft's sensors (RADAR, EOIR, AIS, Operator inputs, etc...), correlates them, and pumps them off wing via satellite comms to a central Common Operating Picture (COP) called the MINOTAUR Network, accessible by all MINOTAUR equipped aircraft and ground stations.

CWO Saiyasak Onboard USCGC Campbell

Written By: CDR Kalen Kenny, ALD Chief



CWO Thitisady 'Kevin' Saiyasak, the procurement branch chief assigned to the Aviation Logistics Division (ALD), is returning home to ALC following six-weeks onboard the USCGC CAMPBELL (WMEC-909) as it conducted an Arctic deployment patrol off the coast of Greenland. CWO Saiyasak filled a mission critical need as the unit Supply Officer, organizing complex logistics on behalf of the USCG with the US consulate and embassy in Greenland as well as with the Greenland Secretariat for COVID-19. His efforts resulted in successful joint training exercises between the USCG and both the Royal Danish Navy and the French Navy. CWO Saiyasak arranged multiple supply/food/fuel replenishments to the cutter and its embarked Aviation Detachment, all of which were further complicated due to strict host nation COVID-19 quarantine requirements. As a legacy Blue Nose, CWO Saiyasak was also fortunate to witness all uninitiated members of the crew as they were inducted into the Order of the Blue Nose (a.k.a. Northern Domain of the Polar Bear), fulfilling one of the rarest sea-going service line crossing ceremonies as the cutter transited into the Arctic Circle. The USCGC CAMPBELL is home ported out of Kittery, Maine.



Know Your Hurricane Risk

Written By: Ms. Gwen Ray, SEHO Deputy



Make an Emergency Plan

Make sure everyone in your household knows and understands your hurricane plan. Discuss the latest Centers for Disease Control (CDC) guidance on Coronavirus (COVID-19) and how it may affect your hurricane planning.

Gather Supplies

Include medication, disinfectant supplies, cloth face coverings, and pet supplies.

Those with Disabilities

Identify if you may need additional help during an emergency.

Know your Evacuation Zone

You may have to evacuate quickly due to a hurricane. Know your evacuation routes. Practice with family and pets. Identify a place to stay.

Recognize Warnings and Alerts

Have several ways to receive alerts. Download the FEMA app and receive real-time alerts from the National Weather Service for up to five locations nationwide. Sign up for community alerts in your area and be aware of the Emergency Alert System (EAS) and Wireless Emergency Alert (WEA).

Review Important Documents

Make sure your insurance policies and personal documents like ID are up to date. Make copies and keep them in a secure password protected digital space.

Strengthen your Home

Declutter drains and gutters, bring in outside furniture, and consider hurricane shutters.



NSIV

(Pronounced: en-civ)

Written By: Mr. Bryan Carpenter, ATIP/IETM/S1000D
Manager



Well, that's how we say it... but what does it mean? It is an acronym and it represents the words: NAVAIR Standard IETM Viewer. Great! Right? Oh, what is an IETM, you ask? Well, I guess you will need to understand that first.

IETM is another acronym that stands for Interactive Electronic Technical Manual... and this story starts many years ago when a small group from ESD TIMB (then called "Tech Pubs") came across newer technology for publications. These publications were no longer being distributed by paper. These pubs were electronic, interactive, and contained live data and information at the fingertips of the technician. Live data that could not only show components, locations, part numbers, cautions, tools needed, etc, but also maintenance procedures in the form of checklists, photos, and sometimes even video tutorials. But that's not all, ALC readers! The most robust IETMs tracked maintenance information (who performed it, when it was performed, who QA'ed it) and some even alert a technician when maintenance is due... per tail number. We have seen some IETMs with the capability to even check availability of warehouse stock levels of a part/component needed... all on the cursor of the technician viewing the IETM. Impressive, right? So, how does it work? Well, IETMs are comprised of individual "packets" of information called Data Modules (DMs). These DMs are little snippets of information housed in a big bucket (document repository) called a Common Source Database (CSDB). All of these DMs can be updated live and quickly without having to modify a whole publication, not having to worry about page layout, updating complete manuals, printing/shipping etc. Of course, it wouldn't be efficient for the technician to have to dig through a database of DMs to find information needed. So what's the solution to that? Well, that's the premise of this article.

NSIV is the answer. NSIV is a NAVAIR developed and owned product that takes all of these "little packets" of data, and organize them in a manner so the end user can view them in the form of an electronic publication. Now, I don't know if you are aware, but ALC already has 2 IETMs that are deployed to the fleet and currently being used for aircraft maintenance. The C130J and the C144B Minotaur are both in IETM format, and have no paper version counterpart. Technicians are currently using the IETM to troubleshoot Minotaur systems. The intelligent wiring capability allows the maintainer to energize wires (that highlight throughout the whole drawing set), and can be traced live on the screen. These intelligent wiring diagrams can even possess critical information about the wire (part numbers, wire numbers, lengths, etc.) simply by hovering your mouse over an identified area, which creates a pop-up on the screen with this information, simplifying the layout and providing a cleaner and clearer diagram.

The challenge to these currently deployed IETMs is that the only way to access is through a standalone CASE laptop, to which the IETM has been loaded. This limits the full capability of the IETM, the amount of functionality that we can leverage, and slows the rate at which we can update and redeploy changes.

What allows us to better navigate those challenges and gives us the potential to use these IETMs to their full potential and benefit in the future? You've been following along well, ALC reader, because you are correct: NSIV! The NAVAIR Standard IETM Viewer, which was just approved by CG6 for the standard workstation image and is currently being submitted via ESUIT for testing and eventual implementation. This is a huge step for ESD, ALC, and for US Coast Guard Aviation. With NSIV approval, all the capabilities and functionalities listed above become a possibility at ALC. ALC is on the tip of the spear with this technology and have some of the best IETMs around. We are excited about this... this is Star Trek stuff, and it will be here before we know it. Technology is evolving constantly, and with the phenomenal support and encouragement we receive from the Command and the changing culture of ALC, we all are able to bring to fruition initiatives like IETMs and NSIV... things that were merely just a discussion 5+ years ago. NSIV. IETMs. Coming soon to a computer near you. Get excited.

Thanks for reading ALC, Godspeed!

Heroes of the Warehouse

Written By: CDR Kalen Kenny, ALD Chief



On August 20th and 21st, ALC's Primary Warehouse had an unexpected shutdown due to a possible mass COVID-19 exposure. This shutdown resulted in approximately 55 military, civil service and contractor personnel being sent home for quarantine, including the majority of the ALD duty Storekeeper (SK) work force. During this time, SK3 Jeremy Rushok and SK3 Keely Cleaveland processed 157 priority 02/03 documents valued at \$1.8M in support of Air Stations and ALC Product Lines. Of note, 52 of these issues were priority 02 requisitions for 15 Air Stations, with the bulk of the remaining issues to ALC product lines for aircraft going through programmed depot maintenance. The hard work and efforts of these members resulted in no degradation of aircraft availability at all operational units, including the anticipated heavy response preparations made by all District 7 and District 8 Air Stations in preparations for Hurricane Laura and Hurricane Marco, which were both scheduled to ravage the gulf coast early the following week. These Petty Officers provided outstanding support not only to ALC but also to the entire Coast Guard Aviation community. Finally, congratulations to both petty officers who simultaneously advanced to Petty Officer Second Class on September 1, 2020.

ALC Carpool Program

Written By: Ms. Cindy Soules, BOD Deputy

The program is available to all Military and Civilians.

Must have at least 3 members to participate in the program.

There will be designated parking spots. Hanging placard will also be available.

To register please log into: <https://cg.po1ial.uscg.mil/units/alc/Lists/ALCMasterLinks/ALCForms.aspx>
BOD Form 32

Carpool Instruction 5560.1

Fox Scholarship Program

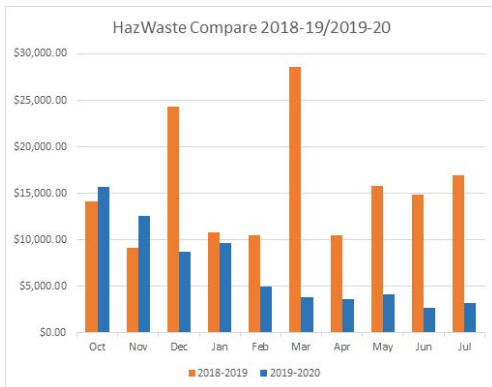
Written By: Ms. Valerie Miles



On August 11th our annual Ernest W. Fox Perpetual Scholarship Award Program was held. Because of COVID-19, our ceremony was a little different this year. Our audience consisted of the awardee and her parents, MRS Deputy and Production Supervisors, and our Command and BOD Staff. The Ceremony was live streamed on our Coast Guard Facebook Page. We certainly missed Dean Fox, brother of the late Ernest W. Fox, who normally attends the ceremonies to present the scholarship award. We are so appreciative of this opportunity that he and his parents have chosen to provide to ALC. This year's award recipient is Miss Kaitlyn Broome. She is the daughter of Cleveland and Kathy Broome. Cleveland is an Integrated Electronics Mechanic in Shop 251, MRS Division and has been an ALC Civilian for over 10 years. He also served 22 years and retired from the U.S. Coast Guard. Kaitlyn graduated from Northeast Academy of Aerospace and Advanced Technologies, A Charter School in Elizabeth City, NC. Kaitlyn has been accepted to attend the College of the Albemarle and plans to obtain a Bachelor's Degree in Nursing after obtaining her Registered Nursing Degree. Congratulations Kaitlyn!

Improving Visibility of HAZMAT Chemicals at ALC

Written By: Ms. Crissy Taber, ALD Deputy



The Hazardous Material Database Client (HazClient) started out as a project to replace an archaic ordering spreadsheet. The development began on October 1, 2019 by gathering data from Enterprise Environmental, Safety & Occupational Health (EESHO-MIS), the application used to track HAZMAT chemicals, and current ordering spreadsheets. Within two months, development of the HazClient included data from EESHO-MIS such as usage history, on hand inventory reports, expiration dates of materials, orders from spreadsheets, financial reports, and much more. Beforehand the new client was established, the process to gather information to review HAZMART managed products took over 125 minutes per item. The HazClient reduced this time down to less than 1 minute per item. This has led to a savings of 124 minutes per item HAZMART manages. An estimated savings of \$239,835.39 per review schedule of a HAZMART managed product. This HazClient also has been valuable in cutting waste. The waste at ALC from October 2018 to July 2019 was at \$180,127.35. After using the HazClient from October 2019 to July 2020, the waste amount was \$78,704.12. A reduction of 56.31% in HAZMAT waste in only one year. The HazClient has also shifted some inventory points. Identifying the windows when products are needed and not needed. This has also allowed HAZMART to better forecast inventory required which has prevented stock-outs and work stoppages. The visibility of ALL HAZMAT material has been an issue at ALC. Now HAZMART has the ability to see not only every container that is on hand, but also the physical location on base and the expiration date, batch/lot number. All of the information for an item is on one screen with one click. The HazClient has avoided an estimated \$1,154,639.04 in wasted chemicals, work stoppages, inventory changes, and redirected 12,920 hours of labor in the first year of use.

GS Civilian Employee of the 1st Quarter of 2020

BOD – MEREDITH ELLIS



Ms. Meredith Ellis was instrumental in assisting the Business Performance Branch in preparing for the 2020 ISO Audit. She assisted by insuring all documentation was complete and provided direct oversight of scheduling internal auditors and subject matter experts. She followed up on last year's corrective actions for effectiveness, closing out corrective actions throughout the facility, checking into problematic areas, performing mini-audits and other activities assigned by the Quality Management Representative (QMR) and the Audit Program Manager. Additionally, she coordinated activities to aid in getting ready for the upcoming audit, including participation in "Audit Week"; one activity where all 4 Product Lines and IOD Shops were given a "mini-audit" by the Prep Team. These audits consisted of looking into: housekeeping, proper disposal of material (metal, trash, HazMat), tool control, routing cards, status tags, parts protection, tool and HazMat Issue Center. Her coordination skills were showcased in this activity by having assignments available for the team every week and keeping the QMR apprised of all activities and deadlines.

WG Civilian Employee of the 1st Quarter of 2020

MRR – MARK CLARK



Mr. Mark Clark has demonstrated an unparalleled commitment to the MRR Product Line while absenteeism was high during the COVID19 epidemic. He not only kept his assignments on task but picked up work from other assembly phases and completed tasking there as well, contributing to a significant reduction in scheduling delays. Mr. Clark has also been a valued asset in the support of the Navy Conversion fleet expansion build during this time frame, supporting the 2310 work order after the assembly two aircraft was delivered for paint. Additionally, Mr. Clark volunteered to go to ATTC Mobile to assist the unit with the re-installation of the Main Gear Box, forward bridge, flight controls and to complete the rig. This effort was done after a crack was found in the left main transmission beam and airframe was transported to ALC for repair and sent back. Mr. Clark demonstrates a high level of technical competence leaving him as one of the “Go-To” mechanics in the mechanical trade for the MRR Product Line.

GS Civilian Employee of the 2nd Quarter of 2020

ALD – PATRICIA NASH



Ms. Patricia Nash is an integral part of the monthly financial month-end closing process for the ALD Fiscal Branch. In order to complete fiscal's closing each period and meet rigorous reporting deadlines, she often works a full day and into the early morning hours of the next day, without complaint. Her dedication to validating the financial analytics and taking steps required for the financial closing in order to report timely and accurate data are unparalleled. When FINCEN requested financial reports early, she worked tirelessly to meet the new deadlines. Patricia is always willing to step up and provide assistance and training to all levels of personnel, both at ALC and throughout the Coast Guard. When the COVID-19 crisis hit, she volunteered to fill in as an Accounting Certification Officer (ACO). In this role, she trained a new ACO and helped clear a growing backlog of invoices. This not only helped to ease the workload of her teammates, but has also helped ALD ensure payments are processed timely while minimizing interest payments and taking advantage of discount opportunities. The dedication, technical knowledge, and leadership that Patricia has demonstrated are an example to all who work in ALC. She is a true asset to the Coast Guard team.

WG Civilian Employee of the 2nd Quarter of 2020

IOD – WILLIAM HULSE



Mr. William Hulse, IOD Shop 233 Avionics Mechanic, was detailed to the MRS Product Line Avionics Shop for 6 weeks to assist with overcoming a work backlog that was jeopardizing MRS production schedules. Mr. Hulse's assistance was a force multiplier for the MRS Product Line's small civil service workforce as they juggled Minotaur/OSR/B1U and PDM requirements. His efforts included successfully completing 3 different TCTO's while overcoming significant challenges of working via documents that were under constant revision. He made countless recommendations that were needed to streamline the work process and reduce the lead-times of future work orders, completing 11 component modification, 2 HSD/KD-175 rack wiring buildups and all of the upgrade panels for the MRS aircraft that were currently being modified. Following EPS principles of alleviating a constraint and because of his high-quality production gains, IOD's Shop 233 has been identified as the future repair site for most MRS aircraft panels. Mr. Hulse's exhibits superior workmanship and production knowledge and excels at overcoming challenges as a team. Recognizing and acting upon opportunities in between tasks on the MRS product line, he returned to IOD Shop 233 without prompting to work items in the shop's WIP to ensure constant shop output.

Enlisted Personnel of the 1st and 2nd Quarter of 2020



Left to right: AMT1 Derek Ross (ALC), AET2 Conner Morgan (ALC), and YN3 Clarissa Ojeda (Base)

The Elizabeth City Morning Rotary Club recognized ALCs EPOQ for the first two quarters of 2020, as well as Base Elizabeth City's EPOQ for the second quarter of 2020. Due to COVID-19 their recognition was held virtually.

AMT1 Derek Ross (1st quarter EPOQ) was recognized as one of two MH-60 Navy Conversion Structural Primary Quality Assurance (QA) Inspectors he completed over 100 structural primary QA inspections noting 120 discrepancies. As the MH-60 structural technical advisor he fielded technical requests and inquiries from the nine USCG MH-60 units across the country. He conducted training for over 20 civilian and contract Navy Conversion Artisans as the MH-60 structural technical advisor. In support of the Advanced Structural Repair "C" School he took it upon himself to generate new training materials and provide an interactive training environment for the junior AMTs attending the course.

AET2 Conner Morgan (2nd quarter) was recognized for consistently setting the example of what others should strive to be as a member of the MRS C27J Quality Assurance Department. He volunteered to work the night shift, routinely filled in for other members to ensure there is no gap in quality assurance coverage on the PDM floor, and demonstrated a commitment to finalizing more than twenty-two CG22s during the quarter. He maintains significant in-depth knowledge of avionics systems, troubleshooting and repairing both a grounding Bus Interface Unit discrepancy and an aircraft's propeller de-icing system in order to deliver both aircraft to their new units on time. Successfully qualified to run the C27J engines at high-power, and to taxi the C27J aircraft on the airfield for maintenance purposes; responsibilities only exceptional members of any ALC product line obtain.

ALC Awards June 2020- August 2020

Meritorious Service Medal

CWO Steven Wynkoop

CG Commendation Medal

CWO Jason Mills
CWO Derrick Nelson

CG Achievement Medal

CWO Jeff Brundage



Civilian Service Commendation Medal

Mr. Don Roberts

Congratulations to ALD Deputy Ms. Crissy Taber for winning the FY19 DHS Office of the Chief Readiness Support Officer (OCRSO) Supervisor of the Year award!!