



# The Ordnance Corps Quarterly

U.S. Army Combined Arms Support Command

June 2017

Volume 3, Issue 4



**Chief's Corner**  
Happy Birthday, Ordnance! Last month the United States Army Ordnance Corps celebrated 205 years of service to the line, on the line, on time! At the US Army Ordnance School, we commemorated the milestone with a cake cutting ceremony,

recognition of some outstanding military and civilian members of our workforce, and an investiture ceremony in honor of incoming Honorary Sergeant Major of the Ordnance Regiment, CSM (R) Daniel Eubanks. I'm sure that Ordnance units around the world celebrated in similar fashion.

Wherever we are, on May 14 we pause to consider the history of our corps and the contributions of ordnance professionals who have applied their craft in defense of freedom for more than two centuries. Today, our officers, warrant officers and noncommissioned officers continue to apply their expertise across three core competencies: maintenance, ammunition, and explosive ordnance disposal. With the combined capability of the Defense Ammunition Center, we add a fourth competency – explosives safety.

Our Ordnance Corps is comprised of a wide array of talent - **two** officer areas of concentration, **nine** warrant officer specialties, and **thirty-one** enlisted military occupational specialties - the most of any branch! That's a lot of talent! The effective management of all that talent is critical to ensure the US Army Ordnance Corps can perform its mission in support of the operating force, especially as it relates to the Chief of Staff of the Army's number one priority: READINESS.

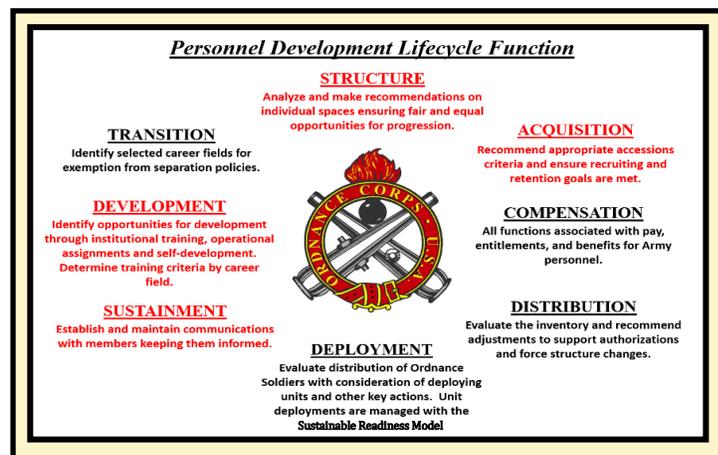
As I said in the last newsletter, we have aligned our regimental focus to build readiness across three major lines of effort: **Ordnance Training** (which I wrote about in the last issue), **Ordnance Capabilities Development** (which I will address in the next issue), and **Ordnance Proponency** (or talent

management), which will be the focus of this article.

### *What do we mean by Personnel Development?*

The Chief of Ordnance is the Branch Proponent IAW AR 5-22. The Ordnance Corps executes the Personnel functions relative to the DOTMLPF-P domains through its Personnel Development Office (PDO). In coordination with DA G-1, Human Resources Command (HRC) and other organizations, the OD PDO oversees the eight Personnel Development Lifecycle Functions of structure, acquisition, distribution, development, deployment, compensation, sustainment, and transition for all three compos.

*How do we do it?* We specifically focus on four of the functions:



**Structure.** We look at the personnel authorizations for all Ordnance personnel throughout the Army and make recommendations on individual spaces. As necessary, we implement changes to military occupational classification standards, standards of grade, and career progression patterns, and the like. A recent example of a structure initiative is our proposal to create a 91S (Stryker Systems Maintainer) Skill Level 4 by converting 91X authorizations to 91S4O authorizations in the Active Army and ARNG SBCTs effective FY20. This will address a Stryker fleet readiness shortfall, increase promotion potential for 91S SSGs to SFC from 34% to about 60%, and create a Stryker maintenance SME at the SFC level.

**Acquisition.** The Ordnance School makes recommendations to HRC for MOS in/out calls,

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### Chief's Corner

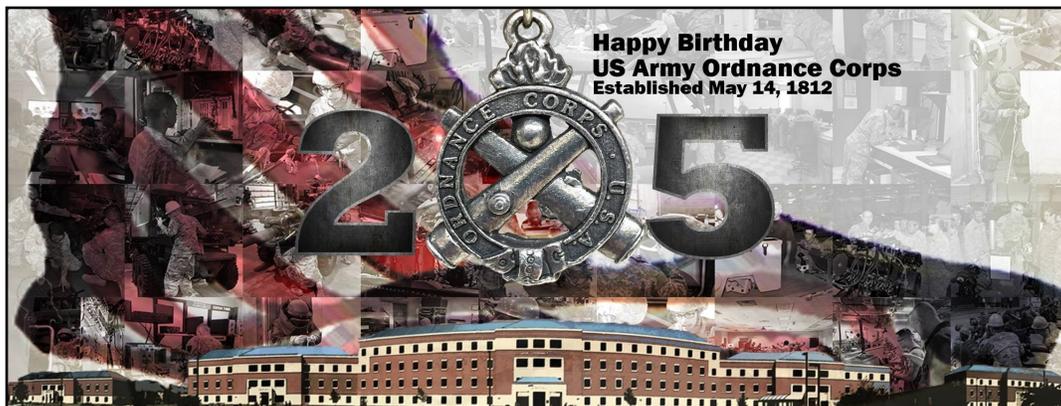
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training seat increases and decreases, and determines the appropriate accession criteria for all Ordnance personnel.

We actively manage the officer (91A and 89E) accessions process by recommending targets and providing branch education and mentorship in support of the talent-based branching process. We are gearing up for a busy season in the officer accession mission, as my PDO team goes to educate over 6000 cadets at Fort Knox, Kentucky during ROTC Cadet Summer Training. In September, they will educate all the cadets at West Point during Branch Week. In addition, they will brief each Officer Candidate School (OCS) class at Fort Benning, Georgia.

**Sustainment.** This function relates to how we communicate with the members of our Corps and represent the professional interests of our people. The Ordnance School Command Team goes out with members of the PDO team to conduct State of the Corps briefings and professional development sessions across the Army. In addition, we recently updated the Ordnance branch portions of two key professional development publications, DA Pam 600-3 (Commissioned Officer Professional Development and Career Management) and DA Pam 600-25 (U.S. Army Noncommissioned Officer Professional Development Guide), to be published at a later date. I encourage you to review the professional development models contained in these DA Pamphlets and on the Army Career Tracker (ACT), which also contains valuable information for each career field.

**Development.** We are constantly working to expand leader development, education, and training opportunities for Ordnance Corps personnel. Currently, there are more than 50 credentialing opportunities available for Ordnance MOSs. In addition, my PDO team is working to identify and document one new credentialing opportunity (license/certification) for each MOS and to create a proponent recommended degree program for Ordnance Soldiers (enlisted and warrant officer). Professional military education (PME) courses



are routinely reviewed and updated to address gaps as they arise across the four core competencies to ensure the professional Ordnance Soldier remains capable of affecting readiness across the multi-domain battlefield. Whether it be broadening opportunities like the Training with Industry program, credentialing and certifications, or recommending improvements to PME courses, the PDO diligently works to increase the professionalism of the Ordnance Soldier.

**How you can help...** Continue to invest in the training, education and professional development of your personnel. Identify Soldiers with potential and recommend them for developmental programs such as Training with Industry or broadening assignments like Drill Sergeant, Instructor or AIT Platoon Sergeant. In doing so, you help us fill our bench with the best talent to meet the challenges of the future.

**What I want to leave you with...** I ask that leaders stay abreast of the guidance contained in the professional development publications and on the [ACT website](#) and use it to mentor your personnel. Know that the Personnel Development Office here at the Ordnance School has SMEs for each career field to assist you with any questions or concerns that you have. Contact information is available on the [Ordnance Corps website](#). Finally, I thank the Army leaders who encourage their Soldiers to pursue credentialing and broadening opportunities. In doing so, they are helping our Army build a talent base that can rise to the challenges of a complex future and assist our commanders in building and preserving READINESS!

**Go Ordnance!**

BG David Wilson  
40th Chief of Ordnance





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### Regimental Command Sergeant Major Highlights



I would like to take the opportunity to introduce myself as the newly assigned 13<sup>th</sup> Regimental Command Sergeant Major of the United States Army Ordnance Corps. It is my absolute privilege and honor to become the senior enlisted face of such a prestigious, time-

honored Corps and School. In my short time, I have quickly come to understand why the United States Army Ordnance Corps is the cornerstone of readiness and one of the premiere branches of the Army. I have witnessed firsthand how the US Army Ordnance School facilitates state-of-the-art training, doctrine, and professional development around the clock, producing highly technical, proficient, and professional Ordnance Soldiers with the knowledge and skills to perform immediately for the total force.

The Personnel Development Office (PDO) is committed to working in partnership with the total force concerning training, educating, and developing Ordnance professionals. As we make progress on key initiatives, we keep all cohorts in mind: officers, warrant officers, NCOs, enlisted, DA Civilians, and Family members across the Regular Army, Army National Guard, and Army Reserve. We must continue to work as one Army that is indivisible in order to make continuous progress toward achieving our current and future goals.

I would like to congratulate all the Sergeants First Class that were selected for promotion this past April. The high percentage of selectees is a direct reflection of our leaders and educators promoting professional development through mentorship throughout the Corps. I am excited to report that (16) 89Bs, (33) 89Ds, (234) 91Xs, (8) 91As, (10) 91Ms, (3) 91Ps, (16) 94Ws, and

(2) 94Ds were selected for promotion based on their superior performance and potential for increased responsibility. Our NCOs who served in leadership

positions, accepted broadening opportunities, and excelled at military schools were all looked at favorably by board members. Additionally, Army Instructor experience was found to be a favorable broadening assignment. If you would like a more detailed analysis of the FY17 MSG Selection board, the Ordnance Corps Proponent Office has it posted on the ACT website



(actnow.army.mil) in the Career Management Field (CMF) 89, CMF 91, and CMF 94 communities respectively. Speaking of Army Career Tracker, it is easier to use than ever before as a portal to access your personal Professional Development Model, Individual Development Plan, as well as your Career Management Field's community right from the Home Page. For more information about this great resource, read the instructions on [page 8](#) of this newsletter.

Ordnance professionals apply their core competency expertise to support readiness around the world. Here are just a few examples.



**CSM Terry D. Burton receives the RCSM charter (top right) and addresses the audience (above) at the change of responsibility ceremony.**

**Ammunition and Explosives Safety:** The ammunition section of the Distribution Platoon, Fox Company, 1-82 Field Artillery Battalion conducted a battery qualification for their platoons in order to verify proper allocations and employment of target acquisition assets. Fox Company also supported a Refuel, Rearm, Resupply and Survey Point (R3SP) to rearm and refuel Charlie Battery during their support of 2-12 Cavalry Regiment's gunnery. It was excellent training that focused on ammunition safety

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### ← RCSM Highlights Continued from page 4

in preparation for the fall National Training Center rotation. SSG Christine Leonard led the distro section as the non-commissioned officer in charge. Fox Company demonstrated an understanding of quantity distance, storage compatibility, inventory procedures and proper ammunition handling techniques. These are critical skill sets during decisive action enabling combatant commanders the operational reach to sustain the line.



**SSG Leonard leads the Distro Platoon as they inventory ammunition in preparation for 1-82 FA BN's gunnery.**

**Mechanical Maintenance:** The mission set of the 3rd Battalion Forward Support Company (FSC), 7th Special Forces Group (Airborne) offers a unique opportunity for its sustainment Soldiers. This FSC maintains and utilizes an array of SOF Commercial off-the-Shelf (COTS) equipment to support the Special Forces battalion. The 3rd FSC deployed and supported multiple operations throughout



**SGT Lopez, a 91B assigned to 3rd BN, 7th SFG works on SOF unique equipment. Photo by SSG Santa Isehour.**

NORTHCOM, CENTCOM, and SOUTHCOM. SOF maintainers were called upon to repair foreign weapons, rebuild foreign non-standard vehicles, and instruct and mentor host nation militaries for training and real-world missions. While in garrison, the FSC transitioned to Global Combat Service Support- Army (GCSS-A) and are on-call 24 hours a day, 7 days a week in support of Crisis Response Teams. Last year, the maintenance platoon saved over \$20,000 on battery costs due to the newly created Battery Maintenance Program.

**Electronic Maintenance:** CW3 Allen Wencil, Allied Trades Warrant Officer (914A), and SFC

Russell Atchison, Maintenance Supervisor (91X40), are learning new innovative techniques of welding while assigned to Lincoln Electric's Training with Industry (TWI) program. The current focus of training this month



**Lincoln Electric Weld School Instructor, Mr. William Miller, demonstrates the proper techniques of welding cast iron. Photo by SFC Russell Atchison.**

was on Plasma, Oxfuel, Alloy and Hardfacing; these techniques are used throughout the Army today. The TWI candidates learned safety and proper use of equipment, how to identify the base material used, proper selection of filler material, and how to operate new advanced equipment. Once these courses are complete, CW3 Wencil and SFC Atchison will be assigned to CASCOM to pass along the knowledge and techniques learned.

These are just a few of the great things our Soldiers are doing to support readiness throughout the Army. I am looking forward to traveling to all the installations and locations around the globe where professional Ordnance Soldiers - at the tip of the spear - are conducting mission critical maintenance operations as a part of the cornerstone of readiness.

In closing, I urge you to stay connected with the Ordnance Corps. Our [United States Army Ordnance Corps Facebook](#) page shares the most current news and topics of interest to all cohorts and compos of the Ordnance Corps. In addition, you can read the latest information that I push out to Ordnance professionals across our diverse formations on the [Command Sergeant Major Terry D. Burton Facebook](#) page. Remember to employ "Think, Type, Post" when engaging on social media sites and always communicate what is in good standing and consistent with the Army Values. **Go Ordnance!**

**"It's more than a motto; it's an attitude!"**

CSM Terry Burton  
13th Regimental Command Sergeant Major



### Regimental Chief Warrant Officer Highlights



Ordnance Team!  
 It is my absolute honor to serve as your 10<sup>th</sup> Ordnance Regimental Chief Warrant Officer (RCWO). I am truly looking forward to seeing Soldiers in action achieving the priorities established by our unit commanders. As you all

know, our Army will continue to remain engaged in multiple missions around the world and our leaders will rely on the Ordnance team to continue to build and preserve readiness and make the mission happen.

The last RCWO had the Top 10 Ordnance Warrant Officer Initiatives and I will continue with this synergy as we move forward. I will ask for constructive input from the Ordnance team and continue to seek guidance from our seniors as we move ahead developing our priorities into the future. Maintenance is the cornerstone of readiness and will remain our number one priority.

Continue to be an expert leader and expert technician in each of your areas of responsibility. Leaders rely on warrant officers to know our jobs, be the subject matter expert on complex systems, and to provide solutions to problems. The Ordnance Corps is the backbone of maintenance and I know each of you will do your part to ensure our commanders remain confident in our abilities. Stay focused and continue to seek improvements where you can.

The **Ordnance tab** on the **Sustainment Unit One Stop** is an excellent resource to share best practices and products for our community as well as the entire Army team. Continue to send us your ideas to keep this repository updated with the latest and greatest products that are working in the field and to let us know what we can improve on.

I ask all leaders to help identify and develop the next generation of warrant officers to access from our NCO ranks. This is a great opportunity to coach, teach and mentor a Soldier that may become your replacement one day. I know time is the one thing we always run short on, but successful leaders make the time to mentor and train Soldiers. This effort will have a tremendous impact on readiness, save time in the end, and will develop the next generation of experts.

Provide regular counselling to your Soldiers as well as ensure your leaders do the same for you. This communication process proves effective in setting priorities, establishing focus, and providing feedback on performance for both the individual counselled as well as the leader. Look for the opportunities within



**CW5 Norman G. May assumed responsibility as the 10th Ordnance Regimental Chief Warrant Officer on May 24, 2017 at Fort Lee, Virginia.**

your current assignments to expand upon your leadership experiences while adding some additional skill sets to your kit bag.

Again, it is an awesome privilege to serve as the 10<sup>th</sup> Regimental Chief Warrant Officer. I am more than excited about getting out and seeing the entire team as well as working with many of you on the future of the Ordnance Corps. Keep up the great work you are doing. I'll see you soon!

#### Go Ordnance!

CW5 Norman May  
 10<sup>th</sup> Regimental Chief Warrant Officer



## Honoring EOD heroes

### Initial Success or Total Failure.

The motto of Explosive Ordnance Disposal (EOD) Technicians means a little more each year on the first Saturday in May, National EOD Day. On May 6, 2017, EOD Technicians, families, and friends congregated at Eglin Air Force Base, Florida to attend the Joint Service Memorial Ceremony in honor of the EOD heroes who lost their lives in the line of duty. The Army portion of the memorial added two names: Master Sergeant Biddle Carrol “B.C., Jack, Izzy/Buzz” Izard Jr. and Technical Sergeant James H. Eberle. These names were added to the list of 156 Army EOD Technicians who have made the ultimate sacrifice for their Nation.

Master Sergeant Izard deployed to the Republic of Vietnam in April 1967. While serving in the Combined Material Exploitation Center, Izard was tasked with examining, evaluating, and classifying enemy material in support of Military Assistance Command Vietnam. On June 19, 1968, Master Sergeant Izard was killed when a booby trapped RPG-2 rocket exploded.

Technical Sergeant Eberle operated in Italy as part of the 151st Ordnance Bomb Disposal Squad when he



**BG David Wilson, Chief of Ordnance, receives the US Flag (top) and presents it to Margaret Lauterjung to honor the courage and selfless service of her brother, Technical Sergeant James Eberle.**

and another Technical Sergeant were called to a farmer’s field to clear a landmine. Technical Sergeant Eberle was killed while attempting to render-safe the landmine when it detonated on August 23, 1944.

This year the Chief of Naval Operations, Admiral John Richardson, honored the six EOD Technicians added to the Memorial by offering accounts of their exemplary actions. The other EOD Technicians

honored during the ceremony were: Gunners Mate Robert Paul Burr killed in action in the Atlantic on July 16, 1944; Ensign Charles William Grice, Sr. killed in action in the Pacific on May 14, 1945; Chief Jason Christopher Finan killed in action in Iraq on October 20, 2016; and Senior Chief Scott Cooper Dayton killed in action in Syria on November 24, 2016.

We will honor the sacrifice of the men and women that have gone before us by continuing to learn and train, in hopes that no more names will be added, and no more flags presented to family members.

### We Remember!

CPT Bill Smathers  
TRADOC Capability Manager-EOD,  
Training Development Division



## FY2018 Training with Industry Selections

SFC	Hillery, Anthony	89D	Los Alamos National Laboratory
SSG	Taylor, Brandon	91B	Oshkosh Defense, Integrated Product Support
SFC	Timm, Jeremy	91X	General Dynamics Land Systems
SSG	Toland, Joshua	91X	Lincoln Electric Company
SFC	Whitfield, Robert	94W	Lockheed Martin, Missile & Fire Control
SFC	YanezFernandez, Juan	91X	Caterpillar Defense & Federal Products

Congratulations to the six NCOs selected to participate in the Training with Industry (TWI) Program. The Army recognizes your potential to expand on your technical skill set in a work-experience program that will give you an opportunity to work within Corporate America.

A big thank you to all those who competed in this years selection for the TWI Program. We strongly encourage those who meet the criteria to apply for this opportunity during the next year.

Participation in the TWI Program is a broadening assignment and an opportunity that is given to those who have attained a high degree of technical knowledge throughout their careers.

For more information on the TWI program and other items of interest, follow the links to your Ordnance Branch-Enlisted communities on the Army Career Tracker Community websites for each [CMF 89](#), [CMF 91](#) and [CMF 94](#).

**See the instructions below and join a community today!**

# ActNow!

1. Access Army Career Tracker at:  
<https://actnow.army.mil/communities>
2. From the home screen navigation panel click on:  
"COMMUNITIES"  
and click on the bottom word "Communities"
3. You should now see a drop-down list:
  - a. "SELECT A CATEGORY" from the drop down list - click on ENLISTED)
  - c. "SELECT A PAGE" from the drop down list - click on desired CMF (89, 91, or 94)
4. On the Ordnance Community Page, click "JOIN THIS COMMUNITY" on the upper right corner..

*4 steps to join your  
CMF 89, 91 or 94  
community!*

*Receive information on Ordnance Enlisted Promotion analysis and statistics, Ordnance Quarterly Newsletter, Ordnance-Enlisted Quarterly Trend Reports, Training with Industry (Enlisted) Program, DA PAM 600-25 updates, DA PAM 600-11 updates, and other Ordnance Personnel matters affecting the force.*



## The US Army Ordnance Crucible 2017



The first annual US Army Ordnance Crucible is less than 100 days away. We kick off on August 7 with the Ammunition Transfer Holding Point Team of the Year (ATHP ToY) competition; it will be followed by the Combat Repair Team (CRT) on August 21 and the Explosive Ordnance Disposal (EOD) Team of the Year competitions on September 11. Several units, such as the 82<sup>nd</sup> Airborne and special operation forces (SOF) units have already conducted preliminary competitions to identify their top maintainers and ammunition handlers. EOD commands are well on their way to identifying their competitors, and this year's crucible promises to be head-and-shoulders above previous competitions. Units wishing to participate in the ATHP and CRT ToYs should begin building teams. Guidelines and registration are available at:

[https://www.goordnance.army.mil/OD\\_Crucible/](https://www.goordnance.army.mil/OD_Crucible/)

CPT Michael Bouffard  
59th Ordnance Brigade



## Defense Ammunition Center supports Operation Resolute Support

Defense Ammunition Center/US Army Technical Center for Explosives Safety (DAC/USATCES) **Quality Assurance Specialists (Ammunition Surveillance)** assigned to United States Forces-Afghanistan (USFOR-A) provide assistance with explosives safety compliance of all ammunition and explosives storage areas across the Combined Joint Operations Area-Afghanistan (CJOA-A). They work closely with 1st Cavalry Division Resolute Support Sustainment Brigade Command and Liaison Vehicle (1CD RSSB CLV) section and conduct Technical Assistance Visits (TAV) to Forward Operating Bases (FOBs) throughout Afghanistan.

The team conducted 13 site visits for 23 different ammunition and explosives (A&E) storage areas. Assistance includes review of Combat Aviation Parking Areas (CAPA), Forward Arming and Refueling Points (FARP), Basic Load Ammunition Holding Areas (BLAHA), Quick Reaction Force (QRF) munitions, etc., with each having their own unique hazards and associated risks. The team works closely with unit representatives to identify and correct explosives safety discrepancies and remove unsafe/unserviceable ammunition. The team also inventories munitions to determine what items are restricted from use and which items are considered excess to mission essential quantities.



SGT Thomas Hall and SPC Christopher Lee (1st CD, RSSB) prepare unserviceable Class V assets for retrograde during a site visit to Forward Operating Base (FOB) Dahlki, Afghanistan.

DAC/USATCES also provides hands-on training to operational units to improve their ability to maintain safe ammunition storage. The experience QASAS gain through working with the RSSB and various units throughout the CJOA-A builds their expertise and strengthens their ability to properly train, teach, and mentor not only 890A/89B Munitions Soldiers, but other Soldiers responsible for the management of their command's ammunition storage procedures. DAC/USATCES and the 1CD RSSB have successfully strengthened unit ammunition storage practices and have ensured only serviceable ammunition is provided to every unit in support of Operation Resolute Support.

Mr. Joshua Yott  
QASAS, DAC/USATCES



## One-of-a-kind training offered at RTS-M Michigan

It was a frigid Michigan morning as four Soldiers from across the nation reported for their first day of training for the Rough Terrain Container Handler Maintainer Course at the Regional Training Site-Maintenance in Augusta, Michigan.

The course is routinely taught at the RTS-M Michigan. Soldiers are required to hold the Military Occupational Specialty 91B, Wheeled Vehicle Mechanic, before attending the course. Upon graduation, the students receive an Additional Skill Identifier Rough Terrain Cargo Handler (RTCH) R1, which authorizes them to perform maintenance on the RTCH.

Soldiers from the Active Army, US Army Reserve, and Army National Guard can attend the 10-day course. While in the course, the students are taught how to operate the RTCH, including Preventive Maintenance Checks and Services; how to navigate the Training Manual, prepare the RTCH for air or ground transport; calibration; error and non-error codes; mechanical, hydraulic, and electrical systems; lubrication order; and component testing and troubleshooting. Throughout the course, the students



**Students are performing Preventive Maintenance Checks and Services in accordance with Training Manuals while attending the Rough Terrain Container Handler course. Photo by SFC Derren J. Mazza**

are given hands-on performance tests and written tests to build their confidence and ensure the standards of learning are upheld.

“We give these Soldiers the best training possible. We spend a lot of time in the training manuals, on schematics (both electrical and hydraulic), and with hands-on practical exercises so the Soldiers are confident when they leave here and go back to home station,” said SFC Keith S. Russell, RTS-M Michigan Instructor, Michigan Army National Guard.

Russell has been instructing the RTCH course for a little over a year at the RTS-M Michigan. On average, seven RTCH Maintainer courses are taught a year. The RTCH Maintainer course builds on the Soldiers’ knowledge and experience as a 91B

Wheeled Vehicle Mechanic by diving a little deeper into hydraulics, electrical, schematics, and troubleshooting.

SFC Derren Mazza  
Michigan Army National Guard

**A student operates the Rough Terrain Container Handler at the Regional Training Site Maintenance at Fort Custer Training Center, Augusta, Mich. Photo by U.S. Army SFC Derren J. Mazza**



**Students perform troubleshooting procedures while attending the Rough Terrain Container Handler course at the Regional Training Site Maintenance, Fort Custer Training Center, Augusta, Mich. Photo by U.S. Army SFC Derren J. Mazza**

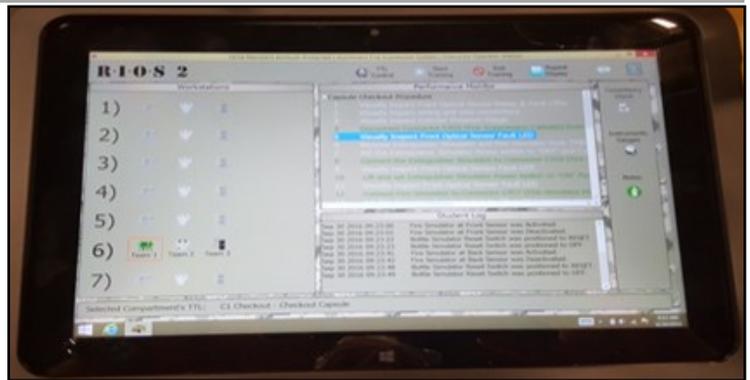


## Next-generation training for MRAP AFSS repair

Since 2012, the US Army Ordnance School's (USAODS) Wheel Maintenance Training Department, Basic Wheel Division has been training all Wheeled Vehicle Repairer (91B10) AIT Soldiers to isolate faults and repair the MRAP Automatic Fire Suppression System (AFSS) using Training Aids, Devices, Simulators, and Simulations (TADSS). The AFSS TADSS have been extremely helpful and effective training tools for the Soldiers we train and the instructors who train them. We are now beginning to field the improved versions of AFSS TADSS. The improvements were suggested by USAODS instructors, built into the next generation of AFSS TADSS by Program Executive Office for Simulation, Training and Instrumentation (PEO-STRI) engineers, validated by our instructors, and are now being implemented in the training environment. The major training technology improvements include automatic student progress tracking capability and improved instructor controls which increase instructor efficiency and effectiveness.

The addition of a tablet **Remote Instructor Operating System (RIOS)** enables the instructor to monitor seven AFSS TADSS workstations at once and immediately alerts the instructor when a student error occurs. As instructors observe students' step-by-step progress, they are able to provide individual guidance on any workstation, reset a student to the last successful step, or utilize a large screen display to provide feedback information to the entire class. The RIOS and large screen display also allows instructors to brief a group of Soldiers on AFSS wiring schematics and or diagnostics procedures. This improves the students' grasp of the MRAP AFSS operations and allows instructors to demonstrate normal and faulted states.

The RIOS also has the capability of capturing data



**Remote Instructor Operating System (RIOS)**

about the trainee's usage, including which lessons have been used, time to complete each lesson, number of errors, and number of restarts. It also allows the instructors to add notes associated with each lesson for their own use. This enables instructors to fine-tune the program of instruction and more efficiently utilize available class time.

In another change in TADSS for this course, the undercarriage components were upgraded and arranged to match the latest MRAP vehicle configuration. New training tasks were also added to provide a more realistic training scenario. This realistic training better prepares students to apply their skills at their first duty assignment.

These technology changes have significantly improved our training, provided efficiencies we didn't have before, and allowed more hands-on training for Soldiers. We encourage the entire Ordnance Corps to visit the USAODS at Fort Lee, Virginia and observe first-hand how our 91B10 AIT Ordnance Soldiers are being trained and prepared for their first unit of assignment.

Mr. Elisha Morris III  
Wheel Maintenance Training Department



**The undercarriage components were upgraded and arranged to match the latest MRAP vehicle configuration .**

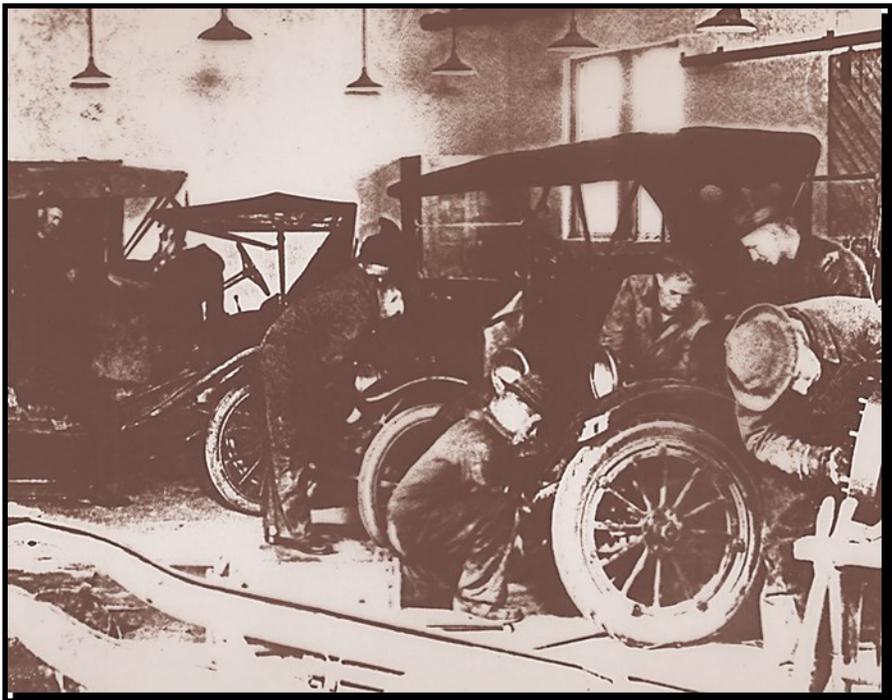


## Adapting to modern, mechanized warfare in World War I

One hundred years ago, World War I ushered in the modern Ordnance Department. Schooling, mechanization, organic and echelon maintenance units, and many other innovations became essential elements of an Ordnance Department we would recognize today.

Prior to the war, it consisted of 97 officers. By the end of the war, it had 5,954 officers and 62,047 enlisted soldiers. Multiple avenues to train OD officers and soldiers were established, including 13 supply schools at various public universities, training at industrial manufacturing centers, an Ordnance training camp – Camp Hancock – in Augusta, Georgia, and the establishment of six ordnance schools in France. By the end of the war, more than 50,000 OD soldiers had received training in the U.S., and 5,000 in France.

The OD Department instituted a system of organic and echeloned maintenance. In addition to Ordnance Soldiers joining combat units providing organic support, the OD department established the Mobile Ordnance Repair Shops (M.O.R.S.) at the division level to maintain materiel as close to the front line as possible. Supporting these units were the Heavy Artillery M.O.R.S. Furthest in the rear were the base shops capable of complete

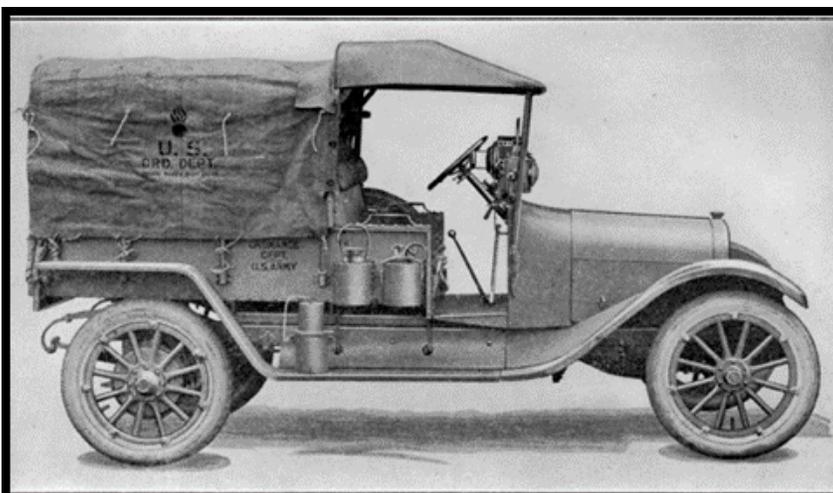


Ordnance Training School, Aberdeen Proving Ground, WWI

overhaul of large and small caliber weapons.

These two innovations, schooling and echeloned maintenance, have become hallmarks of the modern Ordnance Corps and a key element to their success in the modern battlefield.

Mr. Karl Rubis  
Historian



Dodge M1918 Light Repair Truck, WWI

