



## From the COMMANDANT'S desk

I am so proud to have served as your 49th Commandant of the U.S. Army Field Artillery School and Chief of the Field Artillery. As I prepare to depart, I want everyone to know how proud I am of your efforts in support of the current fight and in rebuilding our strength in our core skills as field artillerymen and fire supporters.

Throughout my tenure I have had many opportunities to visit our units in training and operations around the globe and I have seen firsthand all that you have accomplished – it is simply amazing. I want my last words as Chief and Commandant to be a whole hearted, “thank you.” Thank you for your dedication and professionalism.

In past year there have been a number of exciting developments within the Field Artillery across all domains; Doctrine, Organization, Training, Leader Development, Materiel, and Personnel. Similarly the United States Army Field Artillery School (USAFAS) has implemented a number of initiatives to enhance Soldier and leader development.

We have made steady progress on our initiative to modernize gunnery. For the last 50 years, we have been teaching gunnery the same way. In order to give our Soldiers the best curriculum possible, we are working to modernize current methods and means we currently teach manual gunnery and ballistic theory. I invite everyone to read the status update on this program, located on [Page 2](#) of this edition.

USAFAS has also continued to make great strides in the Live, Virtual, Constructive and Gaming (LVCG) arena. We recently documented the LVCG strategy that supports and complements our Field Artillery Training Strategy. In a time of declining resources, commanders will need more tools and options to effectively train, educate and develop agile, adaptive and decisive Soldiers and leaders. While virtual training will never replace live training opportunities all Field Artillery commanders and leaders will continue to face limited time, money, equipment, support personnel and land resources for live training events.

I invite everyone to read the

Mud to Space article on LVCG that will soon be published in the May-June edition of the *Fires Bulletin*. In the interim, I recommend you read the 210th Fires Brigade's article on [Page 4](#) as it explains how they leveraged LVCG during their recent Culminating Training Event. As the 210th FiB has shown, virtual training offers realistic training opportunities, reduces the unit's training support burden and helps improve unit readiness.

These initiatives are just the tip of all we have accomplished during the past year, to get a better understanding of all our programs and endeavors I invite everyone to read the “Field Artillery Modernization Strategy” in the March-April *Fires Bulletin* which can be accessed online at

<http://sill-www.army.mil/firesbulletin>.

As I look back over my time here at the USAFAS, I also want to acknowledge the incredible efforts of our Field Artillery units. Our units are deployed across the world



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**Purpose:** Founded in 2011, the *Redleg Update* provides past and present Field Artillery leaders with a monthly update of informational highlights to assist in their individual, collective and professional training efforts, as well as report on activities occurring throughout the Field Artillery community.

**Official Distribution:** The *Redleg Update* is distributed by the Commandant of the U.S. Army Field Artillery to key members of the Field Artillery chain of command across the U.S. Army. Past and current editions are also archived on FKN @

<https://www.us.army.mil/suite/files/34549741>

## Brian J. McKiernan

Brian J. McKiernan  
BG, USA  
Commandant, United States Army  
Field Artillery School

**RFIs, Notes, and Notices:** To submit a Request for Information (RFI), please email the POC listed below. The FA Commandant's Office will acknowledge receipt of RFIs within 24 hours and will attempt to provide an answer within 72 hours.

**Points of Contact:** We appreciate those who have provided announcements, notices, articles and lessons learned.

Additionally, if you have a story of interest or wish to initiate a discussion on any topic or issue facing the Field Artillery community, contact Mr. John Folland, (580) 558-0831, or the editor of the *Redleg Update*, Ms. Sharon McBride, Field Artillery STRATCOM officer, (580) 558-0836.

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## Update on Modernizing Gunnery

We have been teaching gunnery the same way for the last 50 years. In order to give our future FA leaders the best curriculum possible, USAFAS is working to modernize current methods and means that are used to teach manual gunnery and ballistic theory.

The DOTD, Education Technology Branch (Ed Tec) is working two lines of effort to develop training scenarios and exercises based on the Five Requirements for Accurately Predicted Fires.

One line of effort is a collaborative effort with the Training Brain Operations Center (TBOC) to develop seven scenarios that demonstrate targeting procedures conducted by Forward Observers (FO).

This will require TBOC to

create a Virtual Battle Space 2 (VBS2) Model of the new Lightweight Laser Designator Rangefinder 2H (LLDR 2H) to be used by Virtual FOs in VBS2. As TBOC builds the new model, Ed Tec is creating the storyboards.

The second line of effort is being designed and developed completely in-house. The objective is to provide experiential learning opportunities on the "process" of Gunnery Troubleshooting. The intent is to provide four scenarios to reinforce the Five Requirements for Accurately Predicted Fire and provide learners with opportunities to hone their troubleshooting skills any time, any place.

An additional update on this initiative will follow on later this summer.



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## FA Battalion Master Gunner/Digital Master Gunner requirements

A recent review of current Field Artillery Additional Skill Identifiers (ASI) has revealed that ASI A7 (Field Artillery Master Gunner) is not properly documented on all Field Artillery MTOEs in FMSweb.

ASI A7 is authorized for use with MOSs 13B, 13D, 13M, and 13P and is awarded to those individuals that successfully complete the Field Artillery Master Gunner (FAMG) course at Ft. Sill, OK. In 2006, a change to Military Occupation Classification and Structure (MOCS) was approved by the ODCS, G-1 for the establishment of ASI A7. This change in structure was intended to document Field Artillery battalion level authorizations requiring FAMG qualifications for 13B, 13D, 13M, and 13P. Positions documented as OPS Sergeant/Master Gunner(13B40), Master Gunner/Asst Ops Sergeant(13M40), Chief Fire Control Sergeant(13D40), and Chief Fire Direction Computer(13P40) were identified to receive the addition of the ASI to their paragraph/

line number during the FY10 Command Plan update at the United States Army Force Management Support Agency (USAFMSA). Today, only 14 of 43 13B40, 14 of 43 13D40, 7 of 11 13M40, and 7 of 11 13P40 positions are properly documented in the Force Management System Website (FMSweb) MTOEs.

USAFMSA has initiated a process to correct the coding issues in the FMSweb MTOEs. Initial attempts to fix the coding have been unsuccessful and USAFMSA predicts they will not be able to identify an immediate fix in the software applications. Until the positions are properly coded on Field Artillery MTOEs, units are advised to continue sending their NCO leaders to the FAMG school in accordance with the positions described above.

Units can contact the Field Artillery Proponent Office career management NCOs for further information about ASI A7, the Master Gunner School, or any other additional skill identifier at 580-442-5220.

## War Fighting Forums

The Field Artillery WfFs offer an opportunity for communication, collaboration, and coordination of the Army's Fires Brigades, SBCT, ABCT and IBCT Fires Battalions, Div/Corps Chiefs of Fires and the CTCs.

I encourage all commanders to participate in these critical forums in order to enhance the cross-talk between the generating and operating forces.

FiB WfF – 04APR13 @ 16:00 - 17:30

<https://connect.dco.dod.mil/fibwff>

IBCT WfF – (FA Breakout session) – 09APR13 @ 10:00 - 11:30

<https://connect.dco.dod.mil/ibctfabnwff>

SBCT WfF - -17APR13 @ 11:00 -12:30

<https://connect.dco.dod.mil/ssxviiigrp3>

ABCT WfF - (FA Breakout session) - 19APR13 @10:00-11:30

<https://connect.dco.dod.mil/hbctfabnwff>

DIV/CORPS Fires WfF - 30APR13 @ 09:00 - 10:30

<https://connect.dco.dod.mil/divcorpsfireswff>



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"REDLEG UPDATE"**

The **"Redleg Update"** is now archived on FKN.

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to read or print it today.

# LVCG:

By Maj. Gregory Stopyra  
210th Fires Brigade  
Fire Support Coordinator

Riding the bus from Osan Air Base to Camp Casey, I noticed how much South Korea has changed in the 12 years since I left. Where there were once farmland and rice paddies, now there are apartment buildings and shopping centers. Then there was only a small train station with service to Seoul, but today a subway line and three additional stations serve the area. Since I left South Korea in 2001 there has been an explosion in urbanization, especially north of Seoul. The success of the South Korean economy and associated migration of population toward Seoul are beginning to encroach training areas that were once far removed from the population.

I knew that during this tour in South Korea I would have the opportunity to serve as an S3 operations officer, and be responsible for the training and readiness of a unit. I began to wonder how the units of the 2nd Infantry Division maintain the ability to "Fight Tonight" in this new restrictive training environment. I saw the answer to my question shortly after reporting to 210th Fires Brigade.

When I arrived, the "Thunder" Brigade was in the midst of a Culminating Training Event. Those familiar with CTEs may instantly recall mental images of large formations, deployed either to local training areas or combined training centers, demonstrating their core competencies for external evaluators. What I saw was completely

## How integrating computer simulation and live training allows commanders in South Korea to do more with less

different. It amazed me how far the integration of live training and computer simulation has come. I witnessed the Army equivalent of motion capture, virtual reality, and console gaming all incorporated into a live training event. I later learned that the exercise I saw was the first integrated live, virtual, constructive, and gaming major training event

link back into Army Battle Command Systems. This allows a Soldier sitting behind a computer simulator working as a radar operator to receive indications of enemy artillery much like they would if it were actual counter-battery fire. The radar Soldier uses the same procedures to notify the higher headquarters and digitally passes the enemy artillery

location for the appropriate firing unit to take action. Additionally, the Army simulation system can replicate the terrain from any location allowing Soldiers to familiarize

themselves with a potential operational environment without having to physically be there.

This exercise also provided the opportunity to exercise logistic resupply procedures. Sixth Battalion, 37th Field Artillery's Battery C acted as an additional firing unit in the Joint Conflict and Tactical Simulation. As this unit depleted their supplies in the computer simulation, the 70th Brigade Support Battalion "Blacksmith" headquarters received notification through standard logistic reporting procedures.

While they could accomplish simulated resupply with a few keystrokes, Blacksmith wanted to test their Soldiers' ability to conduct convoy operations. By utilizing a system called the Reconfigurable Vehicle Simulator, Blacksmith Soldiers virtually drove the actual resupply routes, in real time, without leaving Camp Casey. This virtual reality experience demanded

*To read more on how the 210th Fires Brigade leveraged LVCG to train in a constrained environment log on to FKN @ <https://www.us.army.mil/suite/doc/39671326>.*

for a Field Artillery unit in South Korea.

During the CTE, 6th Battalion, 37th Field Artillery Regiment deployed Battery A to occupy firing points in the training area north of Camp Casey and its headquarters and Battery B to occupy training areas on Camp Casey. A Tactical Engagement Simulation System installed with each of the firing batteries' M270A1 Multiple Launch Rocket Systems launchers captured the live actions of the crews and digitally translated them to the constructive domain in the Joint Conflict and Tactical Simulation. This interaction is similar to how a home gaming system captures your live motion and translates that into user input to a game, allowing the player to virtually bowl, golf, or play baseball. Much like a home gaming system, Joint Conflict and Tactical Simulation provides immediate feedback such as enemy battle damage and counter-action.

The Army simulation system advances beyond a simple game to



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# REGIMENTAL PRIDE

As Per AR 600-82 para 5-3a, Special Appointees, The Honorary Colonels, Honorary Warrant Officers, Honorary Sergeants Major, and Distinguished Members of the Regiment provide a link with history for today's Soldiers.

The primary mission of these special appointees is to perpetuate the history and traditions of the Regiment, thereby enhancing unit morale and esprit.

The Honorary Member of the Regiment position is designed to recognize non-regimental members for their service to the regiment.

The Point of Contact for this program and any questions regarding submission of packets should be directed to SFC Benjamin Schneider at 580-442-5025 (COMM); 639-502 (DSN); or benjamin.h.schneider2.mil. Information is also on FKN @ <https://www.us.army.mil/suite/doc/34845563>

The following is a list of individuals that were recently approved for Honorary Colonel of the Regiment (HCOR), Honorary Sergeant Major of the Regiment (HSGMOR), Distinguished Member of the Regiment (DMOR), or Honorary Member of the Regiment (HMOR):

## 8TH FA

HCOR/DMOR- COL (Ret) David L. Runnells  
March 2013

## 19TH FA

HCOR/DMOR- CSM (Ret) Terry Hall  
March 2013

## 30TH FA

DMOR-LTC (Ret) Urey Alexander &  
1SG (Ret) Earl Crabtree - March 2013

## 210th FiB LVCG

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the same level of planning and driving skill but eliminated the risk of vehicle accidents that could potentially strain host nation relationships. In addition to using virtual reality simulators, 70th BSB integrated a system called Virtual Battle Space 2 to simulate other resupply missions. Virtual Battle Space 2, while not a virtual reality simulator, enabled Soldiers to drive actual supply routes by using a steering wheel and computer monitor configuration. Soldiers in both systems exercised their convoy procedures, battle drills, and even ammunition cache drops in support of simulated operations.

The goal of this exercise was to validate operations and procedures that support the Fires mission in Korea. By integrating live training with computer simulations, units in 210th Fires Brigade maximized training opportunities within a resource-constrained environment. Should South Korea's urban expansion into training areas continue, I feel confident that the continued use

## *From the FA Commandant*

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in support of a variety of operations from the Pacific Rim to the Middle East. During the past year, nearly 1/3 of all Field Artillery battalions in the Army deployed in support of operations in Afghanistan and they fired more 35,000 rounds of ammunition in support of combat operations.

Beyond Afghanistan, the Field Artillery is integral to the Prevent, Shape and Win strategy as we continue to deploy batteries and platoons in support of forces across the globe. Our relationship with the special operations community has grown and is fully supportive of the interdependence required in future operations. The reality is, whether in support of ongoing operations in Afghanistan or special operations forces around the world, the King of Battle remains an integral member

of the Joint and Combined Arms team. During my time as Chief and Commandant I have continued the practice that my predecessors have started of keeping the field abreast of everything that is happening and developing. So I challenge each and every one of you to keep reading the Redleg Update, and attending all our Warfighting Forums (WfFs) {See schedule on Page 3}. These are great ways to keep informed and keep engaged with everything happening within the branch and outside it.

It has been a privilege and honor to serve as the 49th Commandant of the US Army Field Artillery School and Chief of the Artillery.

*King of Battle!  
Fires Strong!*

*BG Brian J. McKiernan*

of live and simulated training will allow our Soldiers to maintain the

readiness they require to be ready to "Fight Tonight."