94TH ARMY AIR MISSLE DEFENSE COMMAND PACIFIC DEFENSE COMMAND



Scanning the Stratosphere

94th AAMDC Soldiers keep a watchful eye in the skies above the Pacific



FIRST LINE OF DEFENSE





94TH ARMY AIR MISSLE DEFENSE COMMAND

94TH ARMY AIR MISSLE DEFENSE COMMAND PACIFIC DEFENSE COMMAND 2018

FIRST LINE OF DEFENSE







the94thAAMDC

PATH ARMY AIR MISSLE DEFENSE COMMAND PACIFIC DEFENDER 2018

CONTENTS

Editor's Note: <u>All photos and articles written and submitted in 2017</u>

Introductions	5
Missile Defense Soldiers Scan the Stratosphere	10
Soldiers Reaffirm Commitment to South Korean Defense in Annual Exercise	
Confidence: Soldiers Maintain Readiness During CBRN Training	12
Army and Air Missile Defense Command Soldiers Build Ties During UFG17	
Snake Eyes Battalion Bids Farewell to Commander	14
THAAD battery reflags to align with 35th ADA Brigade in South Korea	15
Japan's Patriot Battalion Soldiers Validate Their Expeditionary Capabilities	
Train as You Fight: Patriot Battery Hones Their Gunnery Skills	
Battalion Completes Patriot Missile Defense Modernization on Korean Peninsula	18
Maintaining Fight Tonight Readiness	19
JASDF Demonstrates Anti-Air Missile Capabilities as North Korea Launches Missile	20
First Combined SHORAD Training Event for ROK and U.S. Army on Korean Peninsula	
U.S. Air Defense Artillery Foreign Advising: The Strategic NCO Leveraging the Operational	22
Square Up: U.S. Army Members Teach JGSDF and U.S. Airmen Army Combatives	
Training How You Fight	
Retirement: U.S. Army Pays Tribute to Col. Bruce A. Stephens	
Change of Commands	27



COMMANDER'S PRIORTIES

- » Maintain Readiness
- » Quickly Transition to War
 » Optimize Theater Security Cooperation and Partnerships

MISSION

The 94th Army Air and Missile Defense Command provides Joint and Combined Theater Air and Missile Defense to meet OPLAN requirements through the assurance of Allies and deterrence of oppents within the Asia-Pacific area of operation.

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A misson of the 94th Army Air and Missile Defense Command's Public Affairs Office is to tell the stories of all our units, Soldiers, Civilians, and Families assigned to the 94th AAMDC accross the entire Asia-Pacific Theater. We continually seek stories that may be of intrest to all of our readers, new voices and fresh perspectives. Contrbutions are welcome.

Story ideas, written articles, photos for consideration, question, may be sent to usarmy.jbphh.94-aamdc.mbx. pao@mail.mil

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94TH ARMY AIR AND MISSILE DEFENSE COMMAND * SEA DRAGONS

Aloha Sea Dragons!

The 94th AAMDC headquarters is located at Joint Base Pearl-Harbor Hickam (JBPHH) on the island of Oahu, Hawaii. The 94th AAMDC, known as the Sea Dragons, is one of several theater-enabling com-mands within the Pacific Rim. The units' mission is to provide joint and combined theater air and missile defense in order to meet OPLAN requirements and support the rebalance to the Asia-Pacific area operation.

The 94th AAMDC is integral to joint and combined air and missile defense in the Pacific theater of operations. 2017 was a productive and busy year for the command. North Korea continued to prove itself as one of the greatest security threats in the Asia-Pacific region by testing nuclear weapons and launching multiple ballistic missiles, including the first successful launch from a submarine. In response to these provocations, the 94th AAMDC developed and executed an accelerated deployment of the THAAD system to the Republic of Korea, which became operational in May 2017. The operation spearheaded the command's efforts to update the Area Air Defense Plan for the Korean theater of operations.

The Sea Dragons continue to strengthen Integrated Air and Missile Defense (IAMD) capabilities throughout the Pacific region by participating in multiple bilateral, trilateral and joint training exercises including; Keen Edge, Key Resolve, Pacific Sentry/Talisman Saber, Virtual Flag and Ulchi Freedom Guardian. During last year's Key Resolve exercise, Soldiers from the 94th AAMDC headquarters deployed to the Republic of Korea where the unit's commanding general, Brig. Gen. Sean A. Gainey, served as the Deputy Area Air Defense Commander (DAADC). As the DAADC, Gen. Gainey is the primary advisor for the Pacific Air Force (PACAF) and the 7th Air Force in support of the Area Air Defense Plan (AADP) and facilitates coordination, communication, and operations with all IAMD within the Pacific Region. The exercise allowed the command to work closely with their Korean partners refining their tactics, techniques and procedures.

The 94th AAMDC Commander also serves as the Senior Air Defense Commander (SADC), and the Theater Army Air and Missile Defense Coordinator (TAAMDC) for joint and combined operations.

In his role as the SADC, he provides mission command to all forward deployed Army AMD forces and supports the United States Army Pacific (USARPAC) Commander by providing IAMD oversight. When acting as the TAAMDC, the 94th AAMDC Commander coordinates AAMD in support of the USARPAC Commander and the land component.

The 94th AAMDC also maintains mission command elements at Osan Air Base, Korea and Yokota Air Base,



(Top) Soldiers with 1st Regiment 1st Battalion Air Defense Artillery, 94th Army Air and Missile Defense Command mount an antenna onto a signal tower. (Above) The U.S. Army's 94th Army Air and Missile Defense Command patch. **** U.S. ARMY PHOTOS BY: CAPT. ADAN CAZAREZ**

Japan. These small elements facilitate planning and execution of joint and combined Air and Missile Defense operations with the 7th Air Force, 8th Army, United States Forces Korea/Combined Forces Command (USFK/CFC), and the Republic of Korea Air and Missile Defense forces; United States Forces Japan and Japanese Air Defense Security Forces (JASDF) Air Defense Command (ADC); and 18th Air Wing, JASDF 5th Air Defense Missile Group (ADMG) and the Naha Direction Center; respectively.

Today, our forward stationed missile defense units in the Pacific theater continues to participate in regional and theater-level exercises building partnership capacity with allies and partners in order to remain the 'First Line of Defense' against an ever-increasing ballistic missile threat in the region. The Sea Dragons are proud to be part of the premier Army Air and Missile Defense Command capable of quickly transitioning to war while remaining 'Focused Forward' to execute our combat mission at any time.

Unit Webpage: www.army.mil/94thAAMDC Unit Facebook: /94thaamdc Unit Flickr: /94thaamdc

Unit Nickname: Sea Dragons

94TH ARMY AIR MISSLE DEFENSE COMMAND ★ PACIFIC DEFENDER 2018 ★ 5

IST BATTALION, IST AIR DEFENSE ARTILLERY REGIMENT ★ SNAKE EYES

Konnichiwa Snake Eyes!

The 1st Battalion, 1st Air Defense Artillery Regiment, also known as the Snake Eyes Battalion, is located at Kadena Air Force Base on the island of Okinawa, Japan. In 2017, 1-1 ADA exercised its expeditionary capability supporting the U.S. Pacific Command's theater-wide requirements for air and missile defense while maintaining the battalion's air defense commitments in Okinawa, Japan. On two separate occasions, the battalion mobilized and deployed a Patriot Missile System battery to the Korean theater of operation. The dedicated Soldiers of batteries A/1-1 ADA and B/1-1 ADA proved the battalion could successfully conduct an emergency deployment and serve as a PACOM flexible deterrent option. In addition to exercising our force projection capabilities, the battalion's alert batteries, C/1-1 ADA and D/1-1 ADA, maintained an increased state of alert for several months due to an increase of North Korean provocations and multiple missile launches. The Snake Eyes Battalion continues to maintain Patriot Missile Systems batteries tactically emplaced and ready to protect defended assets in Okinawa while proving its ability to extend influence elsewhere in Japan, and throughout the Pacific.

The 1-1 ADA continues to strengthen combined and joint military relationships in Japan. The battalion maintains bi-lateral partnerships with the Japan Air Self Defense Force's 5th Air Defense Missile Group (5th ADMG) and the Japan Ground Self Defense Force's 15th Anti-Aircraft Artillery Regiment (15th AAR). Routine training is conducted to enhance air defense interoperability with the 5th ADMG's Patriot fire units and improve integration with the 15th AAR's short range Type 81 Surface to Air Missile or Tan-SAM and the Type 3 Medium Range Surface to Air Missile or Chu-SAM weapons systems. Simultaneously, joint partnerships continue to build with the 18th Wing at Kadena Airbase. With the help of 94th AAMDC's forward liaison element and air defense artillery fire control officers, the Snake Eyes Battalion is able to conduct monthly joint defensive counter air training with the 18th Wing's F-15 Fighter Squadrons, E-3 Sentry aircraft in the Airborne Air Control Squadron, controllers in 623rd Air Control Squadron and the U.S. Marine Corps' Air Control Squadron. Additional partnerships have been established with rotational U.S. Navy Mobile Construction Battalions (SEABEEs) to enhance protection and site improvements for 1-1 ADA's Patriot Batterys. A joint effort between the United States Navy, Army, and Marines for a new Patriot Missile System site has been initiated on Marine Corp Air Station Futenma that greatly improves the defense coverage of Okinawa. The unit was also aided by effort from 311th Expeditionary Sustainment Command, United States Army Reserve, who provided addi-



A U.S. Soldier with 1st Battalion, 1st Air Defense Artillery Regiment, 94th Army Air and Missile Defense Command, patriot missile operator and maintainer, guides a forklift on Kadena Air Base in Japan, Oct. 19, 2017. **** U.S. ARMY PHOTO BY: CAPT. ADAN CAZAREZ**

tional maintenance aid for services and equipment.

The Snake Eyes Battalion also supported the combined and joint team in Okinawa by participating in several training exercises to demonstrate strength in the Pacific theater. Chemical, Biological, Radiological and Nuclear CBRN defense Soldiers from 1-1 ADA were able to partner with the 18th Civil Engineer Squadron and 18th Medical Group of the US Air Force as well as the 15th Nuclear, Biological, Chemical Unit of the Japan Ground Self Defense Force in a joint-bilateral CBRN exchange. 1-1 ADA was also able to partner with the 5th ADMG and 15th AAR in a bilateral air-load exercise involving equipment from all three units being loaded onto a C-17 Globemaster III.

Snake Eyes Soldiers also received recognition for their hard work and dedication to mission accomplishment. Specialist Christopher Turchio was recognized as the 94th AAMDC Soldier of the Year, and the Battalion's best engagement control station, launcher, and battery command post crews were recognized at the annual Missile Defender of the Year banquet hosted by the Missile Defense Advocacy Alliance.

As the Snake Eyes Battalion looks forward to 2018, it will remain focused on its strategic mission as the 'First Line of Defense', continuing their mission as ambassadors to our Japanese counterparts, and extending the battalion's expeditionary capabilities to new reaches in the Pacific.

Unit Facebook: /1.1AirDefenseArtillery Unit Nickname: Snake Eyes

14TH MISSILE DEFENSE BATTERY ***** HAYABUSA



Soldiers from the 14th Missile Defense Battery, 94th Army and Air Missile Defense Command, participated in the Dragon Canoe race in Kumihama town, Kyotango city on Aug. 6, 2017. The event helped build comrade and further strengthen local community relationships. **** PHOTO COURTESY: U.S. ARMY**

Konnichiwa Hayabusa!

The 14th Missile Defense Battery provides long-range detection, tracking, classification and discrimination for the engagement of strategic and theater ballistic missile threats in support of the Pacific Command (PACOM) area of responsibility and United States homeland defense. The unit was activated on October 22, 2014 and is located at the Kyogamisaki Communications Site in Kyogamisaki Japan, and falls under the operational control of the 94th Army Air and Missile Defense Command (94th AAMDC).

14th MDB has successfully tracked and processed all ballistic missile launches originating in North Korea with aid through the Sensor Manager Cell, based in Hawaii, feeding data to the100th Missile Defense Brigade and cueing various radar sensors throughout US Army Strategic Command and PACOM to provide early warning of theater and strategic missile threats to the Pacific area of operations and the United States homeland.

The Kyogamisaki Communications Site is leading the effort to update the Command and Control Battle Management and Communications architecture through the integration of Spiral 8.2 software to the system in this period.

Throughout the course of this year, the 14th MDB hosted distinguished visitors from across various US and Japanese governments and military organizations, to include Gen. O'Shaughnessy, Maj. Gen Pasquerette, Maj. Gen Nakahara, Adm. Kikuchi, Brig. Gen Gainey, Consulate Gen. Greenberg, Kinki-Chibu and Defense Bureau Director Gen. Fujishiro, among many others, providing information on site operations and developments. The Battery worked to develop a guard and protect plan, for site defense in contingency operations, with Japanese Ground Self Defense Forces, in addition to moving range operations to a nearby Japanese facility.

Since 14th MDB's activation within the Kyoto Prefecture, winning the hearts and minds of the people has been our Unit's secondary mission by integrating with the local populous. Developing relations on a remote location can be challenging. Building trust, overcoming language barriers and showing our care for the people have been goals that we achieved. Community involvement has also helped us earn the respect and build comradery between 14th MDB and the Japanese people by aiding in the cleanup of beaches, participation in monthly sporting events with the Japanese Air Self Defense Forces, and hosting seasonal events to celebrate American holidays with the aid of the city government, Kinki-Chubu Defense Bureau, Ministry of Defense, and Government of Japan. Through humanitarian efforts and active involvement within the community and collaborating with various military and government agencies, we have taken part in more than 150 community outreach events.

In 14th MDB's short history in Kyogamisaki, our unit has overcome many challenges and has grown a positive reputation in this region of Japan. By supporting our areas of responsibility and developing deep relationships with the local communities, more great things are to follow in the coming years. Eyes to the Sky!

Unit Facebook: /14MDB Unit Nickname: Hayabusa

🥑 94TH ARMY AIR MISSLE DEFENSE COMMAND ★ PACIFIC DEFENDER 2018 ★ 7

10TH MISSILE DEFENSE BATTERY *** SAMURAI**



Soldiers from the 10th Missile Defense Battery, 94th Army and Air Missile Defense Command, stand in formation before a change of command ceremony from outgoing commander Maj. Virak Metcalf to Capt. David Chavez at Sharki, Japan, Jun. 28. » U.S. ARMY PHOTO BY: SGT. 1ST CLASS CLAUDIO R. TEJADA

Konnichiwa Samurai!

The 10th Missile Defense Battery (MDB) is located at the Shariki Communications Site (SCS) in Shariki, Japan and falls under the operational control of the 94th Army air and Missile Defense Command. The battery was established on Sept. 26, 2006 as the first AN/TPY-2 Radar Installation in Japan and became the first new military installation to open in Japan since the end of WWII.

The 10th MDB mission is to detect and track theater ballistic missiles (TBMs) and disseminate the missile defense data to joint and allied units. Data collected and shared provides early warning and detection of hostile missile launches as part of the United States Pacific Command (USPACOM) missile early warning architecture and greatly enhances the defense of USPACOM assets and the continental United States.

Soldiers of the 10th Missile Defense Battery conduct robust community relations (COMREL) operations in Shariki, Japan. In the past year, the battery has participated in over 50 local festivals and events to include parades in the local cities of Tsugaru and Goshogawara in which battery Soldiers pushed a 23 ton parade float through the city streets. The unit also hosts English classes for the local children, and welcomes numerous community, city, and prefecture leaders to visit the radar site. The importance of the community relations program at Shariki Communications Site cannot be overstated, it is critical to maintaining strong and positive relationships with Japanese Self Defense Forces, the Government of Japan, local governments, and local citizens. On 14 Sept., the battery took another step forward in solidifying the United States relationship with the Japanese forces by conducting their first bi-lateral Female Mentorship Event. Soldiers, contractors and family members of SCS gathered with Japanese Air Self Defense Force (JASDF) Airmen and local police officers for an innovative program within the Japanese community. The women met for an ice-breaker lunch, allowing everyone an opportunity to meet their counterparts before the ladies attended an instructional course on the traditional wear of a yukata, the summer kimono.

The following month the women of Shariki welcomed Col. Juanita Clarke, the US Army Japan G4, as their guest for an official discussion on mentorship and career progression. Col. Clarke was a phenomenal speaker and found ways to relate her message to each individual in the room, regardless of their profession, age, or background. Her participation in the event made a huge impact on the small population of women in the Shariki area as the two cultures collided in shared experiences, and learned about new challenges that each face. The program incorporates personnel from both sides to coordinate and plan events that incorporate cultural lessons, defining discussions, and influential guest speakers.

As the Soldiers of the Samurai Battery continue to transition and grow as a battery, the focus remains on the strategic mission as 'the First Line of Defense', as well as the local mission as ambassadors to the Japanese people.

Unit Facebook: /10thMDBSharikiCommunicationsSite/ Unit Nickname: Samurai

TASK FORCE TALON

Hafa Adai!

Task Force Talon (TF Talon) is located at Andersen Air Force Base (AAFB) in the United States Territory of Guam. The task force is comprised of permanently stationed personnel from Echo Battery, 3rd Air Defense Artillery Regiment (E-3) and rotational Soldiers from 307th Expeditionary Signal and 728th Military Police Battalions. Established in 2013, TF Talon is the U.S. Army's first, forward stationed, Terminal High Altitude Area Defense (THAAD) unit, with a mission to deter and neutralize ballistic missile threats to Guam in order to support USPACOM regional homeland defense and strategic objectives.

In 2017, TF Talon remained trained and prepared to execute its wartime mission while playing a key role in the Pacific theater assurance and deterrence campaign. TF Talon conducted intensive crew drills, Air Defense Gunnery Table qualifications, multiday air battles, typhoon preparedness march-order and emplacement drills, and force protection exercises to maintain a high level of readiness. Additional training focused on joint integration with the 36th Wing during its annual Operational Readiness Exercise on Andersen AFB. The task force facilitated joint training objectives by incorporating simulated ballistic missile threats, early warning, reporting procedures, and chemical weapons attacks during simulated wartime scenarios. Finally, TF Talon supported the establishment of THAAD capability on the Korean peninsula by providing equipment and trained crews to expand the regional Ballistic Missile Defense (BMD).

Throughout the year, readiness remained at the forefront for TF Talon. E-3 sustained "Fight Tonight" readiness through participation in various battle readiness exercises with Pacific Fleet (PACFLT) and 94th AAMDC. These efforts culminated during a heightened posture that allowed the



A U.S. Soldier with Task Force Talon, finished checking the fuel levels of an Army heavy expanded mobility tactical truck (HEMETT). **» U.S. ARMY PHOTOS BY: CAPT. ADAN CAZAREZ**

unit to synchronize and facilitate BMD efforts in support of Guam Homeland Defense. E-3 THAAD will continue to demonstrate their ability to execute Integrated Air and Missile Defense operations with various services in order to maintain their high level of readiness.

Informing national and partner-nation senior leaders regarding the strategic role of THAAD and the Ballistic Missile Defense System (BMDS) is a critical part of TFT's mission. Notable distinguished visitors over the past year included Assistant Secretary of Defense (Energy, Installations, and Environment) Mr. Lucian Niemeyer, Vice Chief of Staff of the Army General James McConville, Deputy Commanding General of ROK/U.S. Combined Forces Command Gen. Kim Byung Joo, and several members of the Senate and House Armed Services Committees and their staff. These visits highlighted the strategic importance of Guam and set the conditions for permanency support, THAAD capabilities, and the high degree of readiness demonstrated by the task force's team.

In August 2017, TF Talon initiated permanency planning in support of THAAD's enduring mission set on Guam. To shape this effort, TF Talon hosted the initial Area Development Plan symposium with key stakeholders from 36th Wing, Naval Computer and Telecommunications Stations, 130th Engineer Brigade, 58th MP Company, THAAD Program Office, Naval Facilities Engineering Command Marianas (NAVFAC), 94th Army Air and Missile Defense Command, and other various agency representatives. This session allowed the task force command team and staff to introduce critical permanency requirements and synchronize future construction efforts. This will set the foundation for the upcoming site improvement process led by TF Talon and NAVFAC to identify a prioritized project list, site designs, overall cost estimates, and future glide path to site permanency.

Despite a high operational tempo, TF Talon continues to build a strong relationship with communities on Guam through support to local schools, island celebrations, and other projects. This year, TF Talon Soldiers partnered with Machananao Elementary School, to establish a physical education program which provided physical conditioning and nutrition training to students (grades K through 5). This allowed students to interact with Soldiers and understand the importance of staying fit and healthy. TF Talon Soldiers proudly marched in the 2017 Guam Liberation Day Parade honoring the end of Japanese occupation during World War II. The unit contributed over 200 hours to local United Service Chapters (USO), the Guam Island Beautification Program, and the Dededo Village Saint Barbara's Festival.

In the upcoming year, the task force will continue to hone its technical skills and maintain wartime readiness. THAAD advanced capabilities continue to play a pivotal role in strategic efforts to protect national interests, assure coalition partners, and deter adversaries within the USPACOM Theater. The Soldiers of TF Talon remain ready to meet the threats of today and postured to prevail in the future for the defense of Guam. "Stands Ready!"

Unit Webpage: www.andersen.af.mil/ TaskForceTalon/

Unit Facebook: /TaskForceTalon-94thAAMDC/



Missile Defense Soldiers Scan the Stratosphere

» BY ARMY SGT. 1ST CLASS CLAUDIO TEJADA 94th Army Air and Missile Defense Command

With the threat of ballistic missile launches by North Korea, the Army maintains Army-Navy/Transportable Radar Surveillance systems, or AN/ TPY-2, in Japan to keep a watchful eye on the skies above.

The responsibility falls to a small group of soldiers stationed in Kyogamisaki and Shariki, Japan. The radar sites are unique in that they provide regional defense for Japan while also significantly improving the defense of the United States.

The soldiers in these units operate high resolution, phased array, X-band radars designed and built specifically for the U.S. missile defense missions. The radars can perform air surveillance to very high altitudes and identify and track aerial targets, including incoming ballistic missiles. The radar also has the ability to differentiate between warheads or space debris.

Mission

The 10th Missile Defense Battery, located at the Shariki Communications Site, has been operational since 2006. This was the first AN/TPY-2 Radar installation in Japan and also the first new U.S. military installation to open there since the end of World War II.

The AN/TPY-2 radar is integrated with the Terminal High Altitude Area Defense, or THAAD, system, and serves as its primary sensor. The radar's mission is to track the late stages of the missile course, enabling missiles fired by the system to intercept both outside the atmosphere and once a reentry vehicle enters the atmosphere.

The 14th Missile Defense Battery is the newest radar unit. Located at the

the potential to impact the United States homeland," said Army 1st Lt. Seth Bond, the 14th Missile Defense Battery executive officer.

The information received by the AN/TPY-2 radar is critical data.

Shared Information

Both units also works closely with the 100th Ground-Based Midcourse Defense Brigade based in Colorado Springs, Colorado, feeding data and cueing various radar sensors throughout U.S. Strategic Command and U.S. Pacific Command.

The data collected is shared with other services and nations to provide early warning and detection of hostile missile launches as part of Pacom's missile early warning architecture, which greatly enhances the defense of Pacom assets and the United States.

"This information cues the various sensors located throughout the Pacific to ensure any intercept vehicle will accurately engage the warhead," Bond said.

Once a possible threat has been detected, either through space based, naval, or elevated sensors, soldiers from the 94th Army Air and Missile Defense Command can either engage

"We provide the strategic-level early warning for all ballistic missiles launched from North Korea that have the potential to impact the United States homeland."

Kyogamisaki Communications Site, it has been operational since October 2014. Since then, both units have been in the constant watch with recent events in the Korean peninsula.

Their mission is to pass highly accurate missile track data to sensor managers in the Air and Space Operations Center at Joint Base Pearl Harbor-Hickam, Hawaii, and sensor managers throughout the United States.

"We provide the strategic-level early warning for all ballistic missiles launched from North Korea that have the threat or pass the engagement to an asset that is able to range the target.

"The 14th MDB has successfully tracked and processed all ballistic missile launches originating from North Korea," Bond said. "The unit is extremely efficient and we provide updates to entities across [U.S. Army Garrison Japan], Pacom, Stratcom and [U.S. Northern Command]."

With the increase of threats from North Korea the soldiers from the 10th MDB and 14th MDB remain focused on being the nation's first line of defense.



More than 17,000 U.S. service members participated with South Korean counterparts in exercise Ulchi Freedom Guardian, an annual exercise designed to promote defense partnerships between the U.S. and South Korea. **** PHOTO BY: SENIOR AIRMAN MICHAEL HUNSAKER**

Soldiers Reaffirm Commitment to South Korean Defense

» BY ARMY SGT. 1ST CLASS CLAUDIO TEJADA 94th Army Air and Missile Defense Command

JOINT BASE PEARL HARBOR HICKAM, Hawaii – Key leaders, senior and junior Soldiers from the 94th Army Air and Missile Defense Command joined U.S., Korean and United Nations forces in the Republic of Korea for the annual exercise Ulchi Freedom Guardian from Aug. 21-31.

Ulchi Freedom Guardian, also known as UFG, is a U.S. and Republic of Korea defense-oriented war-fighting exercise conducted annually to enhance readiness and protect the region while maintaining stability on the Korean Peninsula.

The exercise is modeled in computer-simulated scenarios designed to engaged government and military organizations in reacting to numerous crisis scenarios, including those involving the civilian population on the peninsula. Although part of the exercise is computer simulated, South Korean forces train in real-life action exercises to ensure they are prepared for potential terrorist, chemical or weapon attacks.

There are approximately 28,000 service members stationed in South Korea, and an estimated 17,500 of them participated in UFG. They joined military forces from multiple South Korean units from all branches of service, as well as forces from the United Nations Command participating in the exercise.

Maj. Mathew Chambless, a plans and training officer for the 94th AAMDC, said the leadership in the unit uses UFG to train members of its staff and directorates, as well as improve joint partnerships while collaborating with U.S. Pacific Command, Combined Forces Command and U.S. Forces Korea.

"We looked at the threat to the U.S. and its allies in the region and discussed processes and procedures to be exercised in order to meet that threat," Chambless said.

"This exercise allows us to further develop missile defense processes and procedures and to both reaffirm and strengthen the alliance between the United States and the Republic of Korea," he added.

Chambless is no stranger to this type of exercise; he has been involved in five iterations of UFG in some capacity or another over the years. The exercise also provides an opportunity for junior Soldiers to experience and be prepare to manage real world situations in the unit.

"This exercise benefits me as a soldier working in the G4 because it made me oversee what my section does in the real world by supporting and providing units with resources that will help protect and win the fight," said Spc. Virginia Lopez, a unit supply specialist assigned to the unit's logistics directorate.

At all levels, from junior to senior Soldiers, the exercise provides the 94th AAMDC with viable military options to sharpen the unit's ability to support the Indo-Asian Pacific Region with air and missile defense assets when required. The unit's participation in Ulchi Freedom Guardian also demonstrates the tangible U.S. commitment to the defense of the Republic of Korea and its allies as well as the security and stability of the Korean Peninsula and the Pacific region.

CONFIDENCE: Soldiers Maintain Readiness During CBRN Training

» BY ARMY 1ST LT. CLARK CHEN

Maintenance Control Officer, 1st Regiment 1st Battalion Air Defense Artillery, 94th AAMDC

KADENA AIR BASE, Okinawa, Japan – Soldiers from Echo Company, 1st Regiment 1st Battalion Air Defense Artillery don their gas masks and protective gear during the unit's first Chemical Biological Radiological and Nuclear (CBRN) training exercise on Kadena Air Base, Okinawa, Japan

As one of the fundamental basic trainings, the CBRN exercise fosters the Soldiers to develop confidence and prepare readiness from potential threats.

Prior to entering the gas chamber, Soldiers received training on proper application of the Joint Service Light Weight Integrated Suit Technology, the Army's standard issue chemical protective clothing, as well as their protective masks before learning about different chemical agents and their effects.

For the Soldiers stationed in Japan, understanding chemical threats is critical to their mission.

"CBRN readiness is one of our main priorities, ensuring we maintain our combat readiness," said Capt. Philip Walerko, commander, Echo Co. "We want to ensure that our Soldiers at every level develop the needed skills, knowledge, and confidence in their equipment."

Being comfortable in an uncomfortable environment.

"Soldiers love to conduct training that engages them in a new and interesting way," said 1st Sgt. Joseph Radebaugh, senior non-commissioned officer of Echo Co. "It is absolutely imperative that we instill the trust and confidence in our Soldiers to perform their core missions in different type of environments."

As part of the training, the Soldiers simulated evacuating casualties to a decontamination point where the medics then conducted a full decon-



(Top) A medic with 1st Regiment 1st Battalion Air Defense Artillery, 94th Army Air and Missile Defense Command, performs decontamination techniques on a simulated casualty during a Chemical Biological Radiological and Nuclear training exercise. (Above) Soldiers gasp for air after existing a Chemical Biological Radiological and Nuclear gas chamber during a training exercise that took place on Kadena Air Base, Okinawa, Japan, July 27. **W U.S. ARMY PHOTOS BY: 2ND LT. MATTHEW LI**

"CBRN readiness is one of our main priorities, ensuring we maintain our combat readiness."

tamination of the simulated casualties.

"Incorporating the casualties into the training, allowed our Soldiers to further build on their skills to accomplish the mission if different circumstances arise," said Radebaugh.

The training event took advantage of the knowledge and experience of battalions CBRN personnel. "Our Soldiers did an excellent job," said 2nd Lt. Matthew Li, battalion CBRN officer-in-charge. "In the past our unit would have to perform CBRN training on another installation, today's training is a validation of our unit to perform CBRN training here, but most importantly maintaining our CBRN readiness."

Army and Air Missile Defense Command Soldiers Build Ties During UFG17

» BY ARMY MAJ. JOEL SEPPALA

OSAN AIR BASE, South Korea – "This is only a test." One by one the words broadcasted from the Big Voice echoed in the hills surrounding Osan Air Base, Republic of Korea, as security forces personnel checked their public address equipment. Amid that sound, Soldiers, Sailors, Marines, and Airmen of Allied nations entered the Korean Air and Space Operations Center to begin the 2017 Ulchi Freedom Guardian, often called UFG, exercise.

Among the rows and columns of hats and phones from participants of nations present inside the secure facility were the patrol caps of Sea Dragon warriors – Soldiers of the 94th Army Air and Missile Defense Command. The Sea Dragons' purpose on the Korean peninsula upon arrival is to establish effective command and control of integrated air and missile defense resources that defend identified critical assets against air and missile threats.

Command Sgt. Maj. John Foley, the command sergeant major of the 94th AAMDC, stressed the importance of Soldiers knowing their jobs and their roles in the missile defense fight. Whether missile defenders, signal Soldiers, intelligence professionals or sustainers, it is critical that each person knows how to do his or her job, and how to advise the commander from the standpoint of his or her functional area.

"We have common objectives," said Foley referring to the American and Korean partners. He remarked that mutual understanding of the culture and experience of multilateral counterparts was "most important" to facilitate accomplishment of shared goals.

Fortunately for the Sea Dragon team, U.S. Army Capt. Hana Lee, the



The Korean and American flags are displayed on the top of the columns of The Splendor of Peace and Freedom monument located near Jochiwon, South Korea. **** U.S. ARMY PHOTOS BY: STAFF SGT. AARON P. DUNCAN**

assistant chief of war plans (current) with the 94th AAMDC provided a critical linguistic bridge between the Americans and Koreans who sat side by side in the Combined Air and Missile Defense Operations Coordination Center (CAMDOCC).

"My Korean language skills definitely helped me do well as a battle captain during UFG 17," said Lee." The ability to speaking to our Republic of Korea [ROK] counterparts in their native language also allowed us to talk about things outside of the military, like our families and cultures, which enhanced camaraderie in the CAMDOCC."

A Department of Defense news release described UFG as a "computer simulated defensive exercise designed to enhance readiness, protect the region and maintain stability on the Korean peninsula." "Approximately 17,500 total U.S. service members" participated in the 10-day training event according to the release.

The rigor and scope of UFG allowed Brig. Gen. Sean Gainey, the commanding general of the 94th AAMDC to conduct the full range of his responsibilities as an AAMDC commander in a way that is unique compared to other exercises. Gainey highlighted the ability to apply joint and combined decision-making processes "[as if it were] a rehearsal if we had to do something real world while building relationships with joint and combined partners."

The training exercise also allowed the unit to continue their real world operations in Hawaii and elsewhere demonstrated the 94th AAMDC's ability to operate in multiple locations simultaneously.

An essential component of the Sea Dragons' success was the forward integration of National Guard Soldiers from the 263rd AAMDC, headquartered at Anderson, South Carolina. Gainey hopes to build on the active-reserve component synergy and commendable performance demonstrated during UFG in future exercises to provide military leadership with viable military options in the Pacific theater area of operation.



The Color guard detail and units' guidon bearers with 1st Battalion, 1st Air Defense Artillery Regiment lowered their flags during the playing of the U.S. and Japan national anthems during a change of command ceremony. *** U.S. ARMY PHOTOS BY: SGT. 1ST CLASS CLAUDIO R. TEJADA**

Snake Eyes Battalion Bids Farewell to Commander

» BY ARMY SGT. 1ST CLASS CLAUDIO TEJADA 94th AAMDC Public Affairs

KADENA AIR BASE, Okinawa, Japan-Soldiers with 1st Battalion, 1st Air Defense Artillery Regiment welcomed a new commander and bid farewell to the outgoing commander during a change of command ceremony held Thursday, June 22 at Kadena Air Base, Okinawa, Japan.

Lt. Col. Scott M. Dellinger of Houston, Texas relinquished his command position to Lt. Col. Neal J. Lape of Syracuse, N.Y. after commanding the battalion for the past two years.

During the ceremony, Soldiers from the units stood sharp in formation honoring the service of the outgoing commander and receiving the unit's new leader.

During his command, Dellinger oversaw the battalion reorganization into two alert batteries standing watch in Okinawa, and two deployable reinforcing batteries prepared to move via sea or air to any area in the Asia Pacific Region where the Patriot missile system may need to be emplaced, allowing both operational and strategic options to senior military leadership.

The reviewing officer for the ceremony was Brig. Gen. Sean A. Gainey, commander, 94th Army Air and Missile Defense Command.

"My complements to the officers, NCOs [noncommissioned officer], and Soldiers, past and present that have performed so superbly for the Snake Eyes Battalion," said Gainey during his speech recognizing the efforts of the Soldiers and leaders of 1-1 ADA.

"Over the last two years these Soldiers have been led by a great warrior and a great leader," he continued.

Gainey talked about how Dellinger's leadership and focus allowed the Soldiers of 1-1 ADA to be successful in one of the most complex and critical security environments in the world, and that he clearly left a lasting impact in the battalion.

Dellinger shared what a remarkable team he had as the 1-1 ADA commander and how his Soldiers stand out as 'First among Equals'.

"The source of 1-1 ADA's strength is a symbol in front of us," said Dellinger referring to the Soldiers' formation in front of him. "Representing about 600 Soldiers, noncommissioned officers, warrant officers and officers who's tireless efforts make it easy to proclaim that we are the best there is.

"The battalion endured a lot of changes in the last 24 months," he added. "Changes that significantly improved our readiness and changes that significantly improved the defense of Japan from real threats."

Dellinger applauded and thanked his Soldiers for everything they accomplished as a team in the past 24 months.



Lt. Col. Scott M. Dellinger of Houston, Texas, outgoing commander, 1st Battalion, 1st Air Defense Artillery Regiment, passes the unit's colors to Brig. Gen. Sean A. Gainey, commander, 94th Army Air and Missile Defense Command during a change of command ceremony held at Kadena Air Base in Okinawa, Japan. **** U.S. ARMY PHOTOS BY: SGT. 1ST CLASS CLAUDIO R. TEJADA**

"The success and accomplishments of 1-1 ADA are not mine," explained Dellinger. "Every single Soldier and their commitment to the Army profession ensured that we could achieve our goals.

"I appreciate every single Snake Eyes' Soldier and their never quit attitude," he added. "They operate in the toughest environments, both operationally and physically."

Dellinger passed the unit's colors to Lape during the ceremony representing the transfer of his responsibilities as the battalion commander.

The Snake Eyes battalion deployed to Okinawa in 2006 and initially operated as a stand-alone system. Now 1-1 ADA works alongside Japan's 5th Air Defense Missile Group and the 15th Anti-Aircraft Artillery Regiment providing a much greater integrated air and missile defense capability, which serves as a deterrent against all possible adversaries in the region.

THAAD battery reflags to align with 35th ADA Brigade in South Korea

» BY ARMY CAPT. JONATHON DANIELL 35th Air Defense Artillery Public Affairs

SEONGJU, South Korea – From the high desert of El Paso, Texas to the rolling hills of Seongju, South Korea, Delta Battery, 2nd Air Defense Artillery Regiment conducted a reflagging ceremony Oct. 19 to signify their realignment with 35th Air Defense Artillery Brigade from the 11th ADA Brigade.

D-2 deployed to the Republic of Korea from Fort Bliss, Texas April 2017 as the Terminal High Altitude Area Defense Global Response Force amidst growing tensions on the Korean Peninsula.

After achieving initial operating capability and setting the conditions for follow on operations, Alpha Battery, 4th ADA Regiment, also out of Fort Bliss, Texas assumed the THAAD mission. The transfer of authority allowed D-2 to redeploy stateside to prepare for the unit's return to South Korea on permanent change of station orders.

"Today marks a significant day for the air defense community, the U.S. Army, and the proud and peaceful nation of the Republic of Korea," said Col. Rick Wright, 35th Air Defense Artillery Brigade commander. "It's another milestone in our long history, as we continue to proudly serve the citizens of the Republic of Korea and the United States."

As the guest speaker, Wright praised all those that contributed to bringing the most advanced air defense artillery weapon system to the Korean Peninsula. While also acknowledging their ability to fight tonight and fight together by adding THAAD to the layered air defense structure.

"Every phase of the operation has been an absolute team effort," said Maj. Benny Lee, 35th ADA Brigade executive officer. "From the moment the system rolled off the plane, it has been a collective effort with ROK and U.S. Soldiers and Airmen working side by side



(Top) The Eighth Army Command Sgt. Maj., Command Sgt. Maj. Rick Merritt, addresses Soldiers assigned to Alpha Battery. (Above) Soldiers assigned to Alpha Battery, 4th ADA and Delta Battery, 2nd ADA stand in formation Oct. 19 during the D-2 reflagging ceremony in Seongju, South Korea. D-2 is the only THAAD battery in South Korea. **** PHOTOS COURTESY: U.S. ARMY**

in defense of the Korean Peninsula."

The team approach transcended both the planning and emplacement stages, as the ROK and U.S. moved additional units to Seongju to support daily operations. The newly formed collection promptly adopted a new moniker to reflect their mission, and like that, Combined Task Force Defender was born.

The arrival of the THAAD system is also changing the narrative for political and military leaders when discussing ballistic missile defense to the international community. The ROK-U.S. alliance are now better resourced to respond to a tactical ballistic missile threat.

"What Combined Task Force Defender does on a daily basis matters to our alliance," said Wright. "It matters to the people of South Korea, the United States, and in fact, to the entire Pacific region."

One of the more notable stories from the original formation of D-2 that emplaced the weapon system in April is that some of the Soldiers returned to Fort Bliss, Texas with the Army's new 'R' device on their personal achievement award for employing THAAD in a remote location.

"It has been exciting and rewarding to be a part of this team," said Capt. Dwayne Solomon, D-2 commander. "I'm absolutely humbled to be part of a group that is literally writing history."

The 35th ADA Brigade now employs the full complement of the U.S. Army's ADA capabilities in the Republic of Korea, consisting of Avenger, Patriot and THAAD.

Japan's Patriot Battalion Soldiers Validate Their Expeditionary Capabilities

OKINAWA, Japan – In support of the 35th Air Defense Artillery Patriot Surface to Air Missile System modernization upgrade, Soldiers from 1st Battalion, 1st Air Defense Artillery (1-1 ADA) garrisoned out of Okinawa, Japan, provided air missile defense capabilities in the Korean peninsula. This opportunity afforded 1-1 ADA to validate their expeditionary capabilities through air, sea and land in demonstrating their readiness at a moment's notice.

Earlier this year Soldiers from Battery A 1-1 ADA, deployed to Suwon Air Base, Republic of Korea. The Soldiers deployed along with their equipment in tow after loading their Patriot missile equipment onto a C-17 Globe Master III from Okinawa, Japan.

1-1 ADA proved they're able to break down their equipment and transport their air defense systems in a matter of hours to defend critical assets in the Pacific area of operation. Their capability to quickly transport their air defense capabilities furthered enhanced 1-1 ADA's ability to maintain their 'Fight Tonight' readiness posture.

"The deployment of our unit to Korea is two-fold; first, we are providing the Fight Tonight capability for 35th Brigade," said Capt. Joshua T. Mitchell, commander, Battery A, 1st Battalion, 1st Air Defense Artillery Regiment. "Second, it validates our readiness by proving we are capable of deploying to the Korean Peninsula and seamlessly integrating ... in order to provide air and missile defense."

While in support of the 35th ADA the Soldiers of 1-1 ADA used this opportunity to hone their air defense skills.

"We wanted to excel and learn as much as we could while we were deployed," said 1st Lt. Joseph Brown, executive officer, Battery B." We also, used this opportunity to perform Table XII Gunnery Certification with multiple crews certifying successfully."

After months of support and two battery rotations to the Republic of Korea the Soldiers of 1-1 ADA



(Top) Command Sgt. Maj. Pinkham (right), 1st Battalion, 1st Air Defense Artillery command sgt. maj. greets his soldiers after they redeployed from the Republic of Korea. (Above) A soldier guides a Patriot air defense trailer off a WestPac Express High Speed Vessel. **** PHOTOS COURTESY: U.S. ARMY**

completed their mission and were ready to redeploy to Kadena Air Base in Okinawa. With retrograding and redeployment activities, the Soldiers of 1-1 ADA sought the sea to make their journey back home.

Instead of C-17's the Soldiers loaded their air defense equipment onto a WestPac Express High Speed Vessel (HSV) from Pohang, Gyeongsang, Republic of Korea. The HSV affords commanders the benefit of being able to move large amounts of personnel and supplies quickly, Brown said.

Air or sea, the Soldiers of 1-1 ADA deployment to the Republic of Korea

demonstrated the unit could successfully deployed their tactical air defense equipment validating their expeditionary capabilities.

"During the deployment, we successfully validated our capability to deploy and conduct tactical operations at the highest level of proficiency," said 1st Lt. Michael Marshall, fire control platoon leader Battery B."

Marshall said the lessons they learned in the last months will only improve 1-1 ADA capabilities to deploy our air defense assets either through air or sea to protect allies and preserve peace in the Pacific theater.



TRAIN AS YOU FIGHT: Patriot Battery Hones Their Gunnery Skills

» BY ARMY 1ST LT. CHRISTOPHER NEFF

Train as you fight" is a phrase that many Soldiers continuously hear from the day they join the Army. With emerging threats and provocations within the Pacific area of operation, the evolving air defense mission of Delta Battery, 1st Battalion, 1st Air Defense Artillery Regiment realized the necessity to modernize training evaluation and its metrics.

The Battery became the first in the Pacific to successfully complete a Table XII Collective Advanced Gunnery Certification while manning the Patriot Missile Defense System.

The primary focus of a Table XII certification within the Patriot community is to successfully conduct an exercise at an unsurpassed level of expertise that mimics the unit's current operational environment.

"The requirement for advanced training in this area of operations is greater than any unit I have operated within," said Sgt.1st Class Pablo Rodriguez, fire control platoon sergeant for Delta Battery.

The battery's Patriot crews trained advanced air battle management scenarios, hasty missile reload operations, and rapid alert state assumptions under changing variables.

With the current missile threats in the Indo-Asia-Pacific region, the air defenders of Delta Battery take every



Soldiers with Delta Battery, 1st Battalion, 1st Air Defense Artillery Regiment performs launcher reloading drills using the M985A4 Guided Missile Transporter (GMT). **** PHOTOS COURTESY: U.S. ARMY**



Spc. Cameron Westfall with Delta Battery, 1st Battalion, 1st Air Defense Artillery performs equipment checks.

training opportunity seriously.

"Certifying our Soldiers requires teamwork and working through process to accomplish the mission," said Rodriquez. There is no room for error, he added.

The training objectives during the exercise included: fully manned operations throughout the exercise, chemical attack scenarios, implementing changing threats and higher headquarters orders that repeatedly changed the unit's posture.

"The Battery remained cohesive throughout the exercise. The intensity of the exercise helped create a shared understanding of why our role in the region is so important," said1st Sgt. Christopher Blevins.

Blevins added the lessons they learned during their four-week training exercise would only improve the battery's capabilities in their air defense mission to protect allies and preserve peace in the Pacific theater. Soldiers assigned to Battery D, 6th Battalion, 52nd Air Defense Artillery Regiment assemble an antenna in order to test communication links during a battalion-wide validation exercise Aug. 3 at Osan Air Base, South Korea. The 35th Air Defense Artillery Brigade just completed the largest Patriot modernization project ever conducted outside a U.S. depot facility. (Top Right) Soldiers test and validate the recent upgrades to a Patriot launching station. (Right) Soldiers participate in a battalion-wide new equipment training exercise. *** U.S. ARMY PHOTOS BY: STAFF SGT. MONIK PHAN**



Battalion completes Patriot missile defense modernization on Korean peninsula

» BY ARMY CAPT. JONATHON DANIELL 35th Air Defense Artillery Brigade Public Affairs

OSAN AIR BASE, South Korea – After eight months of intense training, members of the 35th Air Defense Artillery Brigade successfully completed a Patriot missile defense system modernization effort that will provide continued protection from potential North Korean aggression.

In coordination with contractors from Raytheon and the Lower Tier Project Office, the brigade carried out the largest Patriot modernization project ever conducted outside a continental depot facility, said Steven Knierim, Raytheon project manager.

"The purpose of the battalion netted exercise was two-fold. First, it was to validate the systems to ensure everything worked and met the industry standard for performance," said Chief Warrant Officer 3 Tara Gibbs, 35th Air Defense Artillery Brigade Patriot modernization project officer. "The second was to qualify the Soldiers and crews on the new equipment." As part of the training, the batteries networked into the battalion data link architecture from geographically dispersed locations around the peninsula and conducted air battles. Each battery crew was required to complete a series of competency tests to demonstrate proficiency.

"Prior to the exercise, we spent three weeks split between formal classroom training and hands-on learning," said 2nd Lt. Nathan Jackson, Company C, 6th Battalion, 52nd Air Defense Artillery Regiment fire control platoon leader. "The contractors taught us how to isolate faults in order to better diagnose problems in case the equipment goes down."

According to Jackson, one of the biggest benefits of the modernization overhaul was the replacement of many legacy systems and updating outdated technology. The combination of the two improved the tactical capabilities and reduced maintenance requirements for the missile defense system.

"For the Soldiers that work in the engagement control station, one of

the smaller but more comfortable enhancements was the ergonomic improvements," said Jackson. "Touch screen maneuverable displays, along with improved adjustable seats, make long shifts more endurable."

Throughout the modernization process, the brigade carefully balanced the 'Fight Tonight' mission in the Korean theater of operation while rotating batteries through the improvised depot at Suwon Air Base.

The brigade is scheduled to modernize their platform of Avengers in the coming months as part of an ongoing plan of enhancing air defense capabilities on the Korean Peninsula.

Editor's note: Readiness and modernization remain fixtures among the Army's top priorities, both of which are initiatives 35th Air Defense Artillery Brigade is addressing as the brigade upgrades their Patriot fleet. Upon completion of the largest Patriot modernization project ever conducted outside a depot facility, the Dragon Brigade will operate with the most technological advanced equipment within the Air Defense Artillery community. Furthermore, the brigade will execute a comprehensive new equipment training cycle to maintain Fight Tonight readiness throughout the transition. This article is part of a three part series that will follow the modernization and readiness effort as it materializes.

Maintaining Fight Tonight Readiness

» BY ARMY CAPT. JONATHON DANIELL

35th Air Defense Artillery Brigade Public Affairs

OSAN AIR BASE, South Korea – Fight Tonight readiness is the number one priority on the Korean Peninsula, and it must be maintained at all times.

Battery A, 1st Battalion, 1st Air Defense Artillery Regiment, garrisoned out of Okinawa, Japan, got firsthand experience with that imperative as they provided ballistic missile defense in support of 35th Air Defense Artillery Brigade in the Korean theater of operation from March to May.

"Defense of Kunsan Air Base is the primary mission for our unit," said Capt. David Endter, commander, Battery A, 2-1 ADA. "Alpha 1-1 effortlessly integrated into the mission set, and operated at a high level throughout their deployment."

Battery A, 1-1 ADA arrived in Korea in March with their equipment in tow, and contributed to 35th ADA's Patriot modernization effort by maintaining the Fight Tonight mission for A/2-1 ADA.

The modernization allows the Patriot systems to leverage the newest technology, increase capabilities and improve overall functionality.

In addition to the systems receiving numerous upgrades, Soldiers belonging to A/2-1 ADA will receive new equipment training to ensure they possess the knowledge to operate and employ the advanced capabilities, said Steven Knierim, Raytheon project manager.

This was not A/1-1 ADA's first visit to the Korean Peninsula. In August 2016, the battery deployed to South Korea in a training capacity, and demonstrated their ability to defend Kunsan Air Base from both air-breathing and tactical ballistic missiles threats.

"The deployment of our unit to Korea is two-fold; first, we are providing the Fight Tonight capability for 35th Brigade," said Capt. Joshua T. Mitchell, commander, A/1-1 ADA. "Second, it validates our readiness by proving we are capable of deploying to the Korean Peninsula and seamlessly inte-



(Top) Patriot equipment belonging to Battery B, 1-1 Air Defense Artillery Battalion is offloaded an Air Force C-17 Globemaster May 19 at Kunsan Air Base, South Korea. (Above Left) Soldiers assigned to Battery A, 1-1 ADA Battalion board an Air Force C-17 Globemaster at Kunsan Air Base after serving a two month mission in the Republic of Korea. (Above Right) A Soldier and Airman use hand and arm signals to guide a Patriot radar off a C-17 Globemaster. *** U.S. ARMY PHOTOS BY: CAPT. JONATHON DANIELL**

grating with Alpha, 2-1 ADA in order to provide air and missile defense."

The expeditionary capability of 1-1 ADA's Patriot batteries proves they are able to defend critical assets anywhere in the Pacific.

As A/1-1 ADA fulfilled their mission on the peninsula and boarded planes back to Okinawa, they were relieved by their sister battery, Battery B, 1-1 ADA. The two units completed a one for one exchange of equipment, and integrated into the Fight Tonight mission to enable subsequent 35th ADA batteries to complete the Patriot modernization project.

Editor's note: Readiness and modern-

ization remain fixtures among the Army's top priorities, both of which are initiatives 35th Air Defense Artillery Brigade is addressing as the brigade upgrades their Patriot fleet. Upon completion of the largest Patriot modernization project ever conducted outside a depot facility, the Dragon Brigade will operate with the most technological advanced equipment within the Air Defense Artillery community. Furthermore, the brigade will execute a comprehensive new equipment training cycle to maintain Fight Tonight readiness throughout the transition. This article is part of a three part series that will follow the modernization and readiness effort as it materializes.



The Japan Self-Defense force demonstrates their deployment of a patriot missile system at Yokota Air Base, Japan. This Patriot Advanced Capability-3 surface-to-air system is a mobile patriot missile system designed for rapid response to a threat. *** U.S. ARMY PHOTO BY: SENIOR AIRMAN KYLE JOHNSON**

JASDF Demonstrates Anti-Air Missile Capabilities

» BY ARMY SENIOR AIRMAN KYLE JOHNSON 374th Airlift Wing Public Affairs

YOKOTA AIR BASE, Japan – The Japan Air Self-Defense Force demonstrated their ability to rapidly deploy the Patriot Advanced Capability-3 (PAC-3) guided air-and-missile defense system as a means of rapidly responding to North Korean missile threats at a press conference held Aug. 29.

PAC-3 is a mobile weapons system that can be set up anywhere, anytime to rapidly respond to a foreign missile threat.

Though the conference was held a few hours after North Korea launched a missile into Japanese airspace, the event was planned long before the North Korean launch.

"Having shown our readiness in [ballistic missile defense] operations as a result of this training, it will lead to enhanced deterrence and capability of not only Japan's Self-Defense Forces, but also the Japan-U.S. alliance," said JASDF Lt. Gen. Hiroaki Maehara, head of Japan's Air Defense Command said in a press conference shortly after the North Korean missile launch. "Moreover, it will showcase Japan's strong commitment and high capability toward peace and security



in the Asia-Pacific region."

JASDF will temporarily deploy the batteries to several U.S. installations in Japan. The installations - Yokota Air Base, Misawa Air Base, Marine Corps Air Station Iwakuni, Yokohama North Dock and U.S. Fleet Activities Sasebo – house both U.S. and Japanese forces and play a vital role in the defense of Japan.

The exercise deployment of the Patriot missiles will test the interoperability of the U.S. and its Japanese allies, allow for on-site assessments of firing locations, and provide the JASDF with opportunities to test their air defense assets under conditions that will simulate a real-world deployment.

According to the North Atlantic

A Japan Air Self-Defense Airman stands at attention, in formation after setting up a mobile Patriot missile-defense system at Yokota Air Base, Japan, Aug. 29, 2017. The demonstration was held at a press conference on the base's flightline as a way to demonstrate the U.S.-Japan partnership and ability to rapidly respond to foreign threats. **W U.S. ARMY PHOTO BY:** SENIOR AIRMAN KYLE JOHNSON

Treaty Organization's website, the Patriot system was first deployed by U.S. forces in the 1980s and has been subsequently improved with new technology which delivers unsurpassed air defense capabilities. PAC-3 is designed to target and destroy potential threats to allied assets from advanced aircraft, tactical ballistic missiles and cruise missiles by projecting a 320kg missile more than 5,000 kilometers per hour toward its target.

Military-to-military exercises like this one demonstrate the strength of the U.S.-Japan alliance and the determination of both nations to address the security challenge posed by North Korea's ballistic missile and nuclear weapons programs.

First combined SHORAD training event for ROK and U.S. Army

» BY ARMY CAPT. JONATHON DANIEL 35th Air Defense Artillery Brigade Public Affairs

OSAN AIR BASE, South Korea – Soldiers assigned to 6th Battalion, 52nd Air Defense Artillery Regiment partnered with the Republic of Korea – Army 516 ADA Sept. 6-8 at the Darrakae training area, Pocheon, South Korea, for the first combined short range air defense training event on the Korean Peninsula.

The purpose of the exercise to was to integrate ROK and U.S. Army SHORAD elements in a field environment to gain familiarity with each other's weapon systems and capabilities, with an end goal of building an enduring partnership between the two units.

"The best part of the training was being able to work through real-life scenarios that required coordination between the ROK and U.S. leadership to effectively complete our short range air defense mission," said 2nd Lt. David Lara, platoon leader, 6-52 ADA. "We also forged a relationship with our ROK counterparts that could prove greatly beneficial in a wartime scenario."

The idea behind the training started in earnest with the 6-52 ADA Battalion Commander, Lt. Col. Marc Pelini, reaching out to the 516 ADA leadership to gauge interest. The idea of a combined training event was received in kind and planners on both ends immediately launched into action.

Lara reached out to one of the 516 ADA's platoon leaders, 1st Lt. Seung Joo Kim, and they laid the foundation by scheduling a combined network communication exercise to ensure both units would be able to talk via radios in an arduous field environment.

The controlled communication exercise was critical to the success of the operation, according to Lara, and the lines of communication were seamless throughout their field training exercise. Furthermore, the two platoon leaders bridged the language



Soldiers assigned to 6-52 Air Defense Artillery Battalion and the 516 ADA ROK-Army brief their operation order during the first combined short range air defense training event on the Korean Peninsula, Sept. 7, 2017 at the Darrakae training area, Pocheon, South Korea. **** U.S. ARMY PHOTO BY: CPL. CHARLES MORRISON**

gap by leveraging Korean Augmentees to the United States Army and translators with the 516th ADA, nullifying an identified obstacle.

While in the field, both units trained on their mission essential tasks of emplacing combined SHORAD assets to defend a critical location, deconflicting engagements of enemy aircraft based on sector of fire, and utilizing secondary means of targeting enemy aircraft when their primary weapon system becomes combat ineffective.

For U.S. Soldiers, this meant using the man-portable air-defense system, where two-Soldier teams are capable of eliminating low altitude cruise missiles, unmanned aerial systems and air breathing threats.

The ROK-Army simulated those targets by providing the oppositional force throughout the exercise, and tested the combined short range air defense with scout helicopters and a perimeter attack by ROK Special Forces.

"It was incredible to see how quickly the Soldiers adapted to each other," said

Lara. "By the end of the exercise, we had built a level of cohesiveness that will be a great foundation for future combined operations with our ROK allies."

The units are planning more combined training events to further expand their scope of understanding and strengthen their newly casted relationship. The next exercise will occur over the next few months and build on their recent successes, while also working to improve on areas identified during their after action review.

"The combined exercise helped us by learning about the equipment capabilities of our ROK-Army counterparts," said Spc. Nick Riley. "We were able to integrate our systems, then develop and test our defensive plans to provide the best short range air defense possible."

Battery E, 6-52 ADA was realigned with 35th Air Defense Artillery Brigade in April after being under the operational control of 210 Fires Brigade for the past several years. They are the only U.S. Avenger unit in the Korean theater of operation.

U.S. Air Defense Artillery Foreign Advising:

The Strategic NCO Leveraging the Operational Art

» BY ARMY MAJ. CHRISTOPHER R. GARNETT

Japan Air Self Defense Force members observe as U.S. Soldiers and Airmen prepare for the rapid load of a Patriot missile battery onto a U.S. Air Force C-17 Globemaster III March 14, 2017, on Kadena Air Base, Japan. **» PHOTO COURTESY U.S. ARMY**

s the global trend for air defense capabilities to deter regional actors continues, so will the need for U.S. Army Air Defenders to possess the operational flexibility to conduct TSC or U.S. State Department-led Foreign Military Sales' long-term advisory missions in order to train, advise, and assist foreign militaries.

For training basic-to-intermediate gunnery and campaign planning implementation to be affective while working in small teams, advisors must go beyond simply providing foreign disclosed documents and training manuals in an effort to train the host nation defense forces.

While working with host nation defense forces with highly centralized decision-making, and immature systems and processes, the advisory team leaders must be able to properly assess both the current defense forces' as well as the advisory team's capabilities in order to devise a realistic plan with broad Lines of Operation (LOOs), realistic Lines of Effort, while supported by attainable objectives.

Though the officer has a defined strategic role on the advisory team, it is the NCO that must be able to operate at the tactical level while being able to influence leaders at the strategic level thru KLEs, classes, and briefings. This article will provide both a concept and considerations for advising foreign air defense forces with the end state of 'working oneself out of a job.' Broad LOOs (Train, Advise & Assist, Inform & Influence, and Interagency Integration)

Inform and Influence

Advisory operations begin-and-end with influencing decision-makers, therefore making it an independent LOO is a safe starting place. For air defense operations, creating 3-4 classes with a specified target-audience addressing Battalion-level Maintenance and Sustainment Operations Class (targeting BN-level staff officers), Battery Commander's Class (focused on BN and BTRY Commander's, current and future), and a 'Patriot 101' Class (targeting Division-level and higher leaders). Maintenance and sustainment systems and processes, globally, continue to trend showing the lack of knowledge for support needed to sustain air defense operations to a level that does not impede operational readiness negatively.

A further concern, regardless of region, is the SOF threat against Patriot operations and the need to defend against asymmetric threats. Addressing tactical site manning and design considerations in order to enhance survivability for battery commanders is a class that provides leaders alternative considerations based on the regional threat.

Lastly a class that broadly discusses basic Patriot capabilities and limitations with senior leaders continually provides a venue to discuss further advisory support areas that address training and readiness observations made and allows advisors to directly address key decision-makers, often resulting in immediate decisions being made. Having a LOO focused solely on informing and influencing leaders, at all levels, is a critical component to advisory operations while setting conditions for institutional changes needed.

Interagency Integration. Working with other U.S. Agencies requires an understanding of their culture, how they operate, and their expectations and previous experiences in working with the U.S. Department of Defense. However, at the end of the day 'people and personalities' ultimately prevail as the single indicator of success of interagency relationships. Similar to a good marriage, striving for 60% in a supporting role of the partnership often leads to success.

This includes adopting their jargon, dress attire, and genuinely supporting their organizational objectives. Advising themes. In lieu of clear-cut objectives while advising, themes at designated phases and levels of leadership across the host nation's organization enable synchronized messaging. This vertical and lateral approach to messaging maximizes the efforts and applies the correct level of support as the host nation defense forces mature in capability. Keeping the host nation's military and ethnic culture in mind, the following ten advising themes are examples during specific phases throughout an advisory mission:

- Work within their System ("it's multiple-centuries old...we're not here to change their culture, we're here to work in it")
- **Put Them into Position** to see themselves ("host nation won't understand it until they experience it first-hand")
- Build the Bench (broaden host nation to training more crews, not just the top performers...focused training wins out)
- The Beatles Effect (U.S. advisors have immediate legitimacy before walking into the room ... be careful

on what you advise as it can quickly become policy)

- The Human Connection (the best hip-pocket training with the host nation is to talk about your family and interests back home)
- **BP-OILLs** (Best Practices & Observations, Insights, and Lessons Learned ("spread them and emphasize them")
- Test and Gauge (Use Initial Host Nation Engagements to test and assess their understanding of operations, training, and sustainment requirements)
- Patience: Staying on Target (emphasize the small things and keep the messaging simple...basic capabilities take time to mature)
- Centralized Control (don't let the frustrations detract from staying on course)
- Tactical Assessment Messaging (Doctrine, doctrine, doctrine)

Decentralized Operations

In order to maximize the subject-matter expertise from an advisory team, a classic and genuine decentralized approach of assigning advisors to individual Battalions and Brigades, while operating independently over extended periods of time, provides the most influence. This approach rapidly allows the sharing of host nations' observations, best practices, insights, and lessons learned amongst the advisory team and enables the team to identify trends while analyzing and assessing the operational needs.

Green-suiter-contractor teams. ADA advisors will find U.S. contractor system support within the host nation. In lieu of operating parallel to each other, constructing 2-man green-suiter and contractor teams can have added value and create a balanced approach to messaging training value to the host nation. As the advisory team leader, matching personalities with contractors will create a significant influencing force when messaging is reinforced from both parties as well as having the organizational reach-back (i.e., doctrine and training as well as material and system support).

Exercising genuine decentralized operations by assigning capable ADA NCO advisors to Battalions and Brigades, with broad guidance while operating in a degree of ambiguity, unleashes a tremendous amount of influence while simultaneously demonstrating trust among the team. Pushing the envelope by enabling the professional growth that these highly qualified ADA NCOs gain by exercising the operational art of linking the tactical to strategic objectives is not only a concept that should to be embraced, but also a quality that needs to be celebrated.

U.S. Army Soldiers from the 1st Battalion, 1st Air Defense Artillery Regiment invited the Japan Air Self-Defense Force's 5th Air Defense Missile Group and Japan Ground Self-Defense Force's 15th Anti-Aircraft Regiment to observe and demonstrate rapid deployment of the U.S. Patriot missile battery system via U.S. Air Force C-17 Globemaster.



Japan Ground Self-Defense Force members, U.S. Airmen and Soldiers complete a conditioning drill during U.S. Army Level-1 Combatives Training Dec. 7, 2017, at Marine Corps Air Station Futenma, Japan. » U.S. ARMY PHOTO BY: SENIOR AIRMAN OMARI BERNARD

Square Up: U.S. Army members teach JGSDF and U.S. Airmen Army combatives

» BY ARMY SENIOR AIRMAN OMARI BERNARD 18th Wing Public Affairs

KADENA AIR BASE, OKINAWA, Japan – Loud yells and heavy thumps echoed through the McCutcheon Gym at Marine Corps Air Station Futenma Dec. 7, 2017, as U.S. service members practiced Level-1 Army combative techniques with the Japan Ground Self-Defense Force.

The bilateral hand-to-hand combat training included members of the Army, Air Force and JGSDF.

"This week we went over the basic combative course level one," said U.S. Army Staff Sgt. Julius Dunsan 1-1 Air Defense Artillery primary combatives instructor. "This is a fiveday course where students can gain basic knowledge on how to defeat their opponent in the open field using hand-to-hand combat."

According to Dunsan, the lessons learned during the week can be used by anyone to become a better combat fighter.

"It teaches important lessons like engaging the enemy, closing the distance, getting the dominant body position and finishing the fight," Dunsan explained. "This is a great training opportunity. If you find yourself in close quarters combat, this training will let you know what to do to secure victory and your life."

According to JGSDF Sgt. Makoto Shiraishi, 15th Anti-Aircraft Artillery Regiment combatives instructor, the JGSDF has its own set of combatives, but focus less on ground maneuvers.

"This is a very good opportunity as instructors to teach what we've learned this week to our soldiers so we can gain knowledge on how to fight in a combat situation," Shiraishi said.

U.S. Air Force Staff Sgt. Colby Davis, 18th Medical Support Squadron pharmacy vault custodian, enjoyed the combatives course.

"Today I'm helping out with the Army basic combatives course as a translator and participant," Davis said. "It's great to work out with our sister services and partner nations and I'm grateful for the opportunity to learn a new set of skills that I don't get to see at my normal everyday job."



U.S. Army Staff Sgt. Julius Dunsan (top), 1-1 Air Defense Artillery primary combatives instructor, demonstrates a submission hold during U.S. Army Level-1 Combatives Training. Army combatives are generally taught as a last-resort fighting technique designed for close quarters combat. *** U.S. ARMY PHOTOS BY: SENIOR AIRMAN OMARI BERNARD**

Training How You Fight

» BY ARMY SENIOR AIRMAN NICK EMERICK 18th Wing Public Affairs

"This training is important because if you look at how modern warfare has shifted, conventional warfare involving infantry has shifted more towards artillery and CBRN," said 2nd Lt. Matthew Li 1-1 Air Defense Artillery Battalion CBRN defense officer in charge, "By covering our defense capabilities we are better prepared to serve Japan, the United States Army, U.S. Air Force, and the Japan Ground Self-Defense Force."

The different services demonstrated techniques for decontamination, detection and operating in a contaminated environment according to their own operating instructions, both teaching and learning to better understand and accomplish the mission.

"They never really have a chance to operate anything that isn't theirs. By doing these exchanges we not only get to see what they have to offer, but learn about how they conduct themselves," said Li.

According to Tech. Sgt. Karen Hubley, 18th Civil Engineer Squadron NCOIC of emergency management operations, the biggest benefits for working together is seeing how counterparts operate, learning ways to improve operations.



(Top) 1-1 Air Defense Artillery battalion and 18th Wing members load equipment into the back of a C-17 Globemaster III during a training exercise, May 18, 2017, at Kadena Air Base, Japan. (Above Left and Right) Members of U.S. Army 1-1 Air Defense Artillery decontaminates an MIM-104 Patriot missile system during a training exercise. *** U.S. ARMY PHOTOS BY: SENIOR AIRMAN NICK EMERICK**

Mitigating language and culture differences with prior planning and translators was imperative in the coordination of this event, with the central theme of sharing information with our allies and counterparts.

"One of the strongest points of working with bilateral and joint partners is developing the sense of shared



understanding of what we can do together in a real-world situation," said Li. "My favorite part of the training was developing understanding of our bilateral and joint partners capabilities."

Hubley stated that training opportunities such as these are important not only for younger military members, but also those who occupy leadership roles thanks to the opportunities to learn and improve not only as a separate unit but in a joint environment.

"I can foresee this type of training evolving into all of us operating a joint decontamination line together, and also having more of an overall joint and bilateral CBRN exercise take place with JGSDF, USAF and U.S. Army all participating at once," said Li.

Members of the Japan Ground Self-defense Force interact with a glove and powder used by the 1-1 Air Defense Artillery battalion during chemical, biological, radiological and nuclear defense decontamination exercises. *** U.S. ARMY PHOTOS BY: SENIOR AIRMAN NICK EMERICK**

A TRIBUTE & FAREWELL ***** COL. BRUCE A. STEPHENS

Williams, South Carolina native retires from Army after three decades of service

U.S. Army Col. Bruce A. Stephens, a 32-year veteran and native of Williams, South Carolina, was celebrated during a retirement ceremony aboard the historic Battleship Missouri Memorial in Pearl Harbor, Hawaii on Dec. 15.

Stephens, who most recently served as the senior intelligence officer for the 94th Army Air and Missile Defense Command, said that his retirement ceremony would not be about him, but instead of the efforts of those family, friends, and service members who helped him along the way.

He praised a special person who had a significant impact on his life, but was unable to attend the ceremony.

"Although you can't be here today, I want you to know you're a big reason for me being where I am today," said Stephens. Thank you, mom!

Stephens described his mom as toughest, most battle hardened and combat tested individual he knows and that he will be forever indebted.

He also thanked his father for the support and looks forward to reconnecting with them both in the coming months, he added.

Brig. Gen. Sean Gainey, the commanding general for the 94th AAM-DC presided the ceremony, and thanked Col. Stephens and his family for their dedication to the nation.

"It's amazing, looking at you and your beautiful family today, no matter all the accolades, streets named after you, all the great things you've done, at the end of the day when you walk off to retirement, it's the family that we all want there with us as we transition," said Gainey.

"If you had the opportunity to sit and talk to Bruce and listen to his story," Gainey tells the audience, "It's a story of determination, destination and just hard work."

Gainey also shared a few quotes



Col. Bruce A. Stephens (left) his wife Maria, and children Bruce and Coco listened to Brig. Gen. Gainey's remarks during a retirement ceremony held aboard the historic Battleship Missouri Memorial in Pearl Harbor, Hawaii on Dec. 15, 2017. The ceremony was held to recognized Stephens' 32 years of honorable service. *** U.S. ARMY PHOTO BY: SGT. 1ST CLASS CLAUDIO R. TEJADA VALERIO**

and comments from the Soldiers Stephens led.

'He cares about each of us and our families, I appreciate his high expectations and how he makes everyone feel important and that they are contributing to the team said Gainey referring to Stephens' Soldiers comments. He may get mad at times but he forgives quickly, without a grudge and most importantly he leads with love and from the front, he continued.

Gainey closed his remarks by saying, "The pride of Williams, South Carolina is the pride of the 94th AAMDC, the [military intelligence branch] and the Army.

Congratulations Bruce to you and your family and you can walk away knowing that you had left your mark and your legacy on this organization and the United States Army."

Stephens enlisted in the Army in 1986 and received his military commission from the Army's Officer Candidate School at Fort Benning, Ga., in 1988. Stephens would serve as an Infantry Officer before becoming an Intelligence Officer. Stephens graduated from the University of South Carolina and attended the University of South Carolina School of Law.

As a career intelligence officer, he spent time in Fort Ord, Fort Bragg, the Republic of South Korea, Japan and Hawaii. He also deployed in support of combat operations.

Along the way, he helped his wife, Maria, of 27 years raise the couple's two children; their daughter, Coco, a recent graduate of John Hopkins University and their son Gabriel, a high school senior.

As he donned his military uniform for the last time, he thanked his family, friends and fellow service members for the great memories during his military service.

"I am looking forward to the opportunities and challenges that await me in the next phase of my career," said Stephens. "I know that the Army has prepared me to take on the world." Mahalo!

94TH CHANGE OF COMMANDS





[1] U.S. Army Lt. Col. John Castro, Task Force Talon commander (in-coming), assumes command from U.S. Army Brig. Gen. Sean A. Gainy, commander of the 94th Army Air and Missile Defense Command, during a change of command ceremony May 17, 2017, at Andersen Air Force Base. [2] Cpt. Anton McDuffie (right) out-going commander of the 14th Missile Defense Battery congratulates in-coming commander Cpt. David Bogert after assuming command of unit on November 7, 2017. [3] Cpt. David Chavez stands in front of his Soldiers after taking command of the 10th Missile Defense Battery during a change of command ceremony on June 28, 2017.

94TH ARMY AIR MISSLE DEFENSE COMMAND

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FIRST LINE OF DEFENSE