

ARCTIC WARRIOR

JOINT BASE ELMENDORF-RICHARDSON'S SOURCE FOR NEWS

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Child Development Centers need you

By **AIRMAN 1ST CLASS
CRYSTAL JENKINS**
JBER Public Affairs

For quite some time, the Joint Base Elmendorf-Richardson total force community has encountered a waiting list for child care ranging anywhere from three to nine months.

This shortage is not due to a lack of facilities, but a great need for child development center workers – including teachers, cooks and food service workers.

According to Tina Roberts, 673d Force Support Squadron program manager for child development, and Meghan Govin, non-appropriated fund assistant director, they are hoping to hire 20 to 30 full-time employees to meet childcare needs across the five JBER Child Development Centers.

“Currently, we only have one at full capacity, three at partial capacity and one temporarily closed due to a lack of workers,” Roberts said. “As a prior military spouse myself, I know the direct impact a lack of childcare can have on military members and their families. Having the opportunity to be entrusted with someone’s child and having an influence on someone’s peace of mind is huge. It is one of the reasons I chose to be in this career field.

“My hope for interested individuals is to not let their fear of the unknown stop them from applying,” mentioned Roberts. “If you have a love for children, you can advance quickly in childcare. A high school diploma or equivalent and a couple of references is all you need to apply.”

Secured employment with the CDC can ultimately lead to a stable career in early childhood education. The job also offers more than 12 credit hours of paid on-the-job training modules that can be applied toward an associate or bachelor’s degree. One can also expect to get paid holidays and time off, a 401K with matching funds, and flexible hours.



Nelia McKeown, a Sitka Child Development Center child and youth program assistant, gives children toys during playtime at Joint Base Elmendorf-Richardson Dec. 14. JBER is hiring child development center workers – including teachers, cooks and food service workers. (U.S. Air Force photo/Airman 1st Class Crystal Jenkins)

“Once an applicant has been offered a job the pre-employment process starts,” Govin said. “From start to finish, the pre-employment timeline is about 14 days, and we try to make it as beneficial and smooth as possible. During the process, we educate our applicants about the many benefits of working for the CDC along with giving them a paid-for physical, immunizations and background check. It is our highest priority to hire qualified individuals.”

Working for a CDC can also allow federal employees or military dependents to take their employment benefits with them from base to base across the globe. For some, this added job security can reduce the stress of relocating and having to start over fresh with retirement benefits and obtaining employment, resulting in a higher level of family resiliency.

“We recognize our community not only deals with the mission stress, but the relocation stress of being so far

away from family, stationed at this base,” Roberts said. “We are hoping all of our community members, spouses, college students and other eligible workers will take the time to consider how CDC employment can enhance their life. We want workers and children to look at their CDC as a home away from home or as an extended family.”

Another advantage new hires can expect is the automatic pay increases that happen at six months, and then 12 to 18 months, depending upon when the on-the-job training modules are completed.

“If eligible new hires already have a child development associate (CDA) credential we can bring them in as a target level, which starts out at \$15.87 per hour,” Govin said. “Because we are hiring in at all levels we are hoping as many people as possible will take the time to apply so we can reach our full capacity.”

A November 2018 study con-

ducted by an official consulting firm with the USO was based on in-depth interviews with 52 spouses from all military branches at 13 stateside and overseas bases.

A published statement from this reads, “Perhaps one of the most important changes we could make to enhance our national security would be to make sure we have adequate childcare for all military families. It’s not a ‘nice-to-have,’ it’s not a morale thing, it’s not ‘thank you for your service.’ It should be a national security priority because ... it would do more for the financial wellbeing of the military families than 10 years of pay raises.”

Applicants do not need base access to apply; candidates must be 18 years old with a high school diploma for immediate guaranteed hours, benefits and paid training.

Interested applicants should create an account at NAFjobs.org and start the application process. 

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ARCTIC WARRIOR

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JBER Public Affairs Chief
Lt. Col. John Ross (USAF)

Public Affairs Operations Chief
Dana Rosso

Public Affairs Superintendent
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Arctic Warrior staff
Chris McCann - managing editor
Justin Connaher - photo editor
Ed Cunningham - webmaster

Command Information NCOIC
Tech. Sgt. Jonathan Foster

Earthquake brings innovative solutions

By **AIRMAN 1ST CLASS
CRYSTAL JENKINS**
JBER Public Affairs

Following the Nov. 30 earthquake near Joint Base Elmendorf-Richardson, teams from several different 773d Civil Engineer Squadron shops were sent out to assess damages and respond to damage reports.

During one of these evaluations, Rick Gill, a 773d CES utilities operator, was faced with shutting off a broken water main which serves the Alaska Mission Operations Center.

“It was just an ordinary Friday morning, and most of our units were getting into their morning routines as the earth began to shake,” Gill said. “Not too long after, we got a phone call regarding a water main break. Our first priority was to get out there, stop the leak and immediately start coming up with solutions for getting that building water. We recognized right away a permanent solution was not going to be an option with the long-term cold weather conditions we were in.”

Although a temporary solution was agreed upon, immediate challenges arose with getting the neces-



Aaron Bryant and Rick Gill, 773d CES utilities operators, assemble a 300-foot section of insulated pipe at Joint Base Elmendorf-Richardson Dec. 1, after an earthquake broke the water main. (Courtesy photo)

sary, but expensive, specialty pipe manufactured and delivered in a timely manner.

“The local fabricator told us it would take approximately four to five days to manufacture and deliver the 300-foot section of pipe, and then

we would have to assemble it with a cost estimate of \$24,000,” Gill said. “While we were waiting on that to go through, I thought to myself, there has to be a faster way to get our people and this building water. After all, I already had the concept and idea of

what would be needed. I immediately decided to start calling different distributors in the Anchorage area. We ultimately came up with a plan of building an arctic pipe ourselves using different materials, right away, for only \$4,000.”

Due to the innovative thoughts and immediate actions of a handful of Airmen, the Alaska Mission Operations Center not only had water within two days, but there was a cost savings of almost \$20,000.

“Military engineers rely on their civilian counterparts for continuity, which is a key component to accomplishing our mission,” said U.S. Air Force Master Sgt. Joshua Madison, 773d CES section chief of water and fuels systems maintenance. “Our civilian engineers are technical experts whose knowledge and experience are crucial to the development and training of our Airmen. Additionally, engineers are vital to finding innovative methods which get the mission done in smarter ways, ultimately saving taxpayer dollars. Mr. Gill is a shining example of this, and his expertise has been invaluable to the 773d CES mission.” 

Library to host annual Comic Con Jan. 26

By **AIRMAN 1ST CLASS
CAITLIN RUSSELL**
JBER Public Affairs

The Joint Base Elmendorf-Richardson Library is scheduled to offer service members and families an opportunity to shed their day-to-day uniforms and don costumes at the annual Comic Con Jan. 26 from 1 to 3 p.m.

“Originally, the program was aimed at young Soldiers and Airmen because of their interest in comics and graphic novels at that age, but it really morphed into a family program,” said Jody Evans, 673d Force Support Squadron library technician. “The idea for the program came from another library, and when I saw that they had more than 500 attendees, I thought it would be a great way to get people involved.”

After seeing the idea become a success in the last few years, staff decided to plan the event activities around families.

“The library staff has spent three months preparing for the event and will offer activities for all ages,” said Pamela Medolo, 673d FSS library director. “This will be the fifth event. In the first year there were 100 attendees and last year we had around 400, so we’re expecting quite a turnout.”

Throughout the event, people of all ages will be able to partake of various contests and activities, including a costume contest for adults, teens, and children, toddler sensory tables and a selfie station.

“Beginning around 10 a.m., a Magic the Gathering tournament will be hosted,” Evans said. “We’re really

looking forward to it, and have extended the hours for the tournament until 4:30 p.m.”

“Super Hero Boot Camp” will be available for children who wish to earn their super hero status after completing the obstacle course.

Children will be able to create superhero capes and draw heroes or villains at craft stations to add to the fun. The Teenage Mutant Ninja Turtle slime demonstration is also a great stop before hitting the photo booth for free pictures.

For adults interested in testing their knowledge, a trivia contest will offer the opportunity to win prizes.

If a once-a-year comic con isn’t enough, the Library offers a comic book trade and swap program available year-round.

“You can bring in your



The winners of the adult costume contest are Chewbacca, Poison Ivy, and a Sith Lord at the Joint Base Elmendorf-Richardson Library’s 2018 Comic Con. (U.S. Air Force photo/Senior Airman Christopher Morales)

comics to the library and swap them out for free,” Evans said. “We hope to keep the trading going and encourage people to keep bringing more comics in. If there is anyone who would like to donate comics to the exchange program, we would gladly take them.”

Evans also said the library

is looking for volunteers for the event this year. People can sign up to help with building and setting up the stations the day before, facilitate during the event or assist in clean-up after the event. Personnel can sign up to volunteer until Jan. 25.

For more information, call 384-1640. 

Going for the Gainey Cup



A grader spots for Spc. Grant Cook, 5th Squadron, 1st Cavalry Regiment, 1st Stryker Brigade Combat Team, 25th Infantry Division as he strains to complete another iteration of the leg tuck, a standard event in the new Army Combat Fitness Test, Jan. 15 at Joint Base Elmendorf-Richardson. (U.S. Army photos/John Pennell)



The squad from 5th Squadron, 1st Cavalry Regiment, 1st Stryker Brigade Combat Team, 25th Infantry Division cooperate to move a water can up the skyscraper in the obstacle course portion of U.S. Army Alaska's Gainey Cup competition Jan. 15.

RIGHT: Spc. Brody Gragg, 1st Squadron (Airborne), 40th Cavalry Regiment, fires at targets during the stress shoot portion of U.S. Army Alaska's Gainey Cup competition Jan. 16. The 5th Squadron, 1st Cavalry Regiment, 1st Stryker Brigade Combat Team, 25th Infantry Division won the competition, and will represent USARAK at Fort Benning, Ga. in April.



Sgt. Alberto Esparza, 5th Squadron, 1st Cavalry Regiment, 1st Stryker Brigade Combat Team, 25th Infantry Division, struggles to complete the weaver in the obstacle course portion of U.S. Army Alaska's Gainey Cup competition Jan. 15, 2019, at Joint Base Elmendorf-Richardson. Esparza and five fellow 5-1 Cavalry scouts competed as a squad against a squad from 4th Infantry Brigade Combat Team (Airborne), 25th Infantry Division's 1st Squadron (Airborne), 40th Cavalry Regiment to be selected to represent U.S. Army Alaska at the Army's Gainey Cup competition at Fort Benning, Ga., in April.

TOP LEFT: Esparza applies a tourniquet to an Soldier's simulated injury on the medical lane of USARAK Gainey Cup competition Jan. 15. Soldiers competing to represent USARAK performed many events throughout the trial, from the new fitness test to shooting, communications, and chemical, biological, radiological and nuclear protective tasks.



Friday

Soup and a Show

Kennecott Youth Center hosts this event for youths 9 to 12 to learn to make soup and enjoy a bowl of it with a movie from 5:30 to 8 p.m. For information, call 552-2266.

Saturday

Paws to Read

The JBER Library invites children in kindergarten through 5th grade to read to a service dog from 10 a.m. to noon. For information, call 384-1640.

Terrain Park competition

Show off your skills at Hillberg Ski Area starting at 2 p.m. for this freestyle competition for ages 12 and up. For information, call 552-4838.

Saturday and Sunday Dog sledding

Enjoy the quintessential Alaska experience from noon to 5 p.m. with dog sled rides at Hillberg Ski Area. For information, call 552-4838..

Sunday

Odd and Even tournament

Join the Polar Bowl for a fun evening of bowling starting at 4 p.m. An even number of pins is recorded as a spare or strike; odd numbers remain as is. For information, call 753-7467.

Monday

Snow Camp

Children ages 6 to 13 can sign up for this camp at Hillberg Ski Area from 1 to 4 p.m. to learn to ski or snowboard. For information, call 552-4838.

School's out special

Enjoy family time at the Polar Bowl with specials on

games and shoes from 11 a.m. to 4 p.m. For information, call 753-7467.

Holiday celebration meal

Honor Martin Luther King Jr. with this meal at the Iditarod Dining Facility. For information, call 552-3114.

Ice fishing tournament

Hillberg Lake hosts this competition from noon to 3 p.m. Some equipment is available and there are prizes for top competitors. For information, call 552-2023.

Tuesday

Avalanche awareness

Whether you ski, snowboard or snowmachine in the backcountry, avalanche danger is real. Learn how they happen and how to manage risk with this class at the Outdoor Adventure Program from 5:30 to 7:30 p.m. For information, call 552-2023..

Snowmachine safety

Always wanted to learn to snowmachine? Head to Hillberg Ski Area from 5:30 to 7:30 p.m. and learn to use them and tips for riding in Alaska. For information, call 552-2023.

Intro to lead climbing

Take your climbing to the next level with techniques for clipping quick draws, managing rope and more with this class at the Outdoor Adventure Program from 5:30 to 7:30 p.m. For information, call 552-2023.

Tween Talk and pizza

2Rivers Youth Center hosts this fast-paced workshop to boost youth's skills to adapt in tough times from 4 to 6 p.m. For information, call 384-1508.

Wednesday

Women's X-country ski

Women in the Wilderness hosts this class at Eagleleglen Fitness Park from 11 a.m. to 12:30 p.m. For information, call 552-2023.

Indoor rock climbing

Singles can scale the wall at the Outdoor Adventure Program from 5:30 to 7:30 p.m. and get a belay certificate to use at Buckner Physical Fitness Center. For information, call 552-2023.

Fat tire bike ride

Enjoy the views of Alaska on this evening trip from 5 to 9 p.m. Meet at the Outdoor Adventure program. For information, call 552-2023.

Ongoing

Fit to Fight skiing

Cross-country skiing at Eagleleglen Fitness Park is open every day except federal holidays. Bring gear or check out free equipment

from 10 a.m. to 2 p.m. For information, call 552-2023.

Civil Air Patrol

Adult members of the Civil Air Patrol meet at the Aero Club Hangar the first and third Tuesdays of each month; cadets meet Saturdays. For more information, call 350-7951.

Thursday science club

Youth are invited to the JBER Library to conduct experiment and think about science from 6:30 to 7 p.m. For information, call 384-1640.

Library story times

The JBER Library hosts preschool story times Tuesdays and Thursdays from 10 to 11 a.m.

Toddler Tales is Wednesdays from 10 to 10:30 a.m.

All-ages story time is Tuesdays from 6:30 to 7 p.m.

For more information, call 384-1640.

Chapel services

Catholic Mass

Sunday
 9 a.m. – Arctic Warrior Chapel
Monday and Wednesday
 11:40 a.m. – Arctic Warrior Chapel
Tuesday
 Noon – JBER Hospital Chapel
Friday
 Noon – JBER Hospital Chapel

Confession

Confessions are available anytime by appointment or after any mass. Call 552-5762.

Protestant Sunday worship services

Gospel
 9:30 a.m. – Midnight Sun Chapel
Contemporary
 11 a.m. – Arctic Warrior Chapel
Traditional
 11 a.m. – Heritage Chapel

Religious Education

For schedules, call the Religious Operations Center at 552-5762.

Dropping in the dark



Soldiers of the 4th Infantry Brigade Combat Team (Airborne) jump over Malemute Drop Zone in the early hours of Jan. 16. The Soldiers conducted the night jump and followed it with firing an artillery mission throughout the night. For more photos of the operation, see page 11. (U.S. Air Force photo/Alejandro Pena)

Martin Luther King Jr.'s legacy lives on in us

By **ARMY CHAPLAIN (CAPT.) HOMER EDWARDS**
1-49th CAV Chaplain

As a nation, we recognize those who have shaped our country for the better.

Dr. Martin Luther King Jr. is one of those whom we acknowledge and appreciate.

In thinking about this honorable man, let us reflect upon two characteristics that he modeled so well. These are vital practices for us in building and sustaining a healthy community.

Those characteristics or practices are constructive action and love.

I believe as a whole, the Joint Base Elmendorf-Richardson community exhibits these characteristics pretty well.

During the aftermath of our recent 7.0 earthquake, I saw neighbors checking on one another, helping anyone in need.

Strength and community shown in the midst of power outages, water leaks and anxiety as neighbors cared for one another.

To continue flourishing as a community we must make careful and deliberate choices.

Those choices will be reflected by the actions we take and love we show within the community.

Making these kinds of choices is not just for the extraordinary moments of chaos; we have opportunities in the mundane aspects of our daily routines as well.

King set a powerful example for us to follow in these areas of love and action.

King was most definitely a man of constructive action.

Consider some of his statements as both encouragement and guidance for becoming a people of constructive action.

“The time is always right to do what is right.”

“Faith is taking the first step even when you don’t see the whole staircase.”

“Our lives begin to end the day we become silent about things that matter.”

What an inspiration.

King stood against injustices and

influenced others by his oratory skills and his willingness to risk acting on behalf of others.

He used his speeches and sermons to move people’s hearts, and called them to action.

By his own actions, he set an example for others to emulate.

The statements above are just a few illustrating the thought processes and purposeful leadership of King.

They can be an encouragement for us to move for practical action within our communities.

We may or may not possess skills of speech, but we can use our strengths for the greater good.

If we see something out of place, we have a choice in how to respond.

It is natural to think someone will step up to help.

King would not want us to stay silent and wait on others to step up, but to be quick to live out our faith, our values, and to always do what is right.

For us to do those things, we must be moved by unselfish love.

King described that love – and its power – several times.

“Darkness cannot drive out darkness; only light can do that. Hate cannot drive out hate; only love can do that.”

“I have decided to stick with love. Hate is too great a burden to bear.”

“Life’s most persistent and urgent question is, ‘What are you doing for others?’”

It is love that moves us to act for others in ways that is self-sacrificial. This love is the way to live.

It is better than having indifference towards others or worse, having hate.

I believe King was influenced by his faith to foster a community centered on loving your neighbor.

So, we should ask ourselves the questions King posed.

“What am I doing for others in my community? Am I contributing to the community? Do I stand up to injustice?”

Monday, as we remember King on his birthday observance, let us think of ways to care for and encourage one another – so we may continue to grow as a strong community in this new year. 

Hospital Family Day hours

The 673d Medical Group will be open on Pacific Air Forces family days to ensure patients have access to acute care and several other services. Specialty care, surgical services, the laboratory, pharmacy and radiology will be open. For more information, call 580-2778.

Disposition of effects

Army Capt. Paul Dolan, Headquarters and Headquarters Troop, 1st Squadron, 40th Cavalry Regiment, is authorized to make disposition of personal effects of Sgt. Andrew Washington, HHT, 1-40th Cav. Regt., as stated in Army Regulation 638-2.

Any person or persons having claims for or against the estate of the deceased should contact Dolan at (907) 903-6756.

Firewood permits

Firewood is \$35 per cord or \$17.50 per half-cord. To receive a permit, an iSportsman permit is required. For

information, visit <https://jber.isportsman.net>.

Main Pharmacy hours

The main JBER pharmacy, on the first floor of the JBER hospital near the Bear entrance, is open from 7:30 a.m. to 4:30 p.m. The pharmacy at the Exchange is open 9 a.m. to 6 p.m. Mondays through Fridays for civilian prescriptions and refills, and Saturdays from 9 a.m. to 1 p.m. for refills only.

iSportsman enrollment

Anyone choosing to recreate in JBER training areas must obtain an iSportsman permit and sign in and out using the iSportsman system prior to recreating. A pass costs \$10; \$5 for those 60 and older and disabled persons. Passholders may also need an installation access pass. For information, visit [isportsman.jber.net](https://jber.isportsman.net) or call 552-8609 or 384-6224.

Reserve 'Scroll'

Officers wanting to transition to the Air Force Reserve

must have their commission transferred to a list called "the Scroll" and approved by the Secretary of Defense.

The process averages 120 days, but can take longer, and must be approved before participating in the Reserve, which may mean a break in service. Even if you're unsure about transitioning to the Air Force Reserve, the process can be initiated. For information, call 552-3595.

Pothole repair

The 773d Civil Engineer Squadron encourages all Joint Base Elmendorf-Richardson personnel to report potholes. For holes in housing areas, contact Aurora Housing at 753-1051. Other requests are tracked by 773d CES. Note the location, including cross-streets or building numbers. Then email 773ces.ceoh.potholerepair@us.af.mil or call 552-2994 or 552-2995. Include contact information for crews.

U-Fix-It Store

The U-Fix-It stores, open

to all Aurora Military Housing tenants, issue home maintenance items. Availability is subject to change and limits; some items may have a cost.

U-Fix-It allows occupants to make minor improvements and repairs.

The JBER-E location, at 6350 Arctic Warrior Drive, is open 8:30 a.m. to 5 p.m., Tuesday through Friday, closed from 1 to 1:30 p.m. for lunch, and Saturday, 9 a.m. to noon and 1 to 4 p.m.

The JBER-R office is at 338 Hoonah Ave., open from 8:30 a.m. to 5 p.m., Monday through Friday, and closed from 1 to 1:30 p.m. for lunch.

A blind-cleaning machine is available at the JBER-E location; priority goes to those PCSing. For information, call 375-5540.

DLA Document Services

Defense Logistics Agency Document Services duplicates and prints documents, including color, large-format photos, engineering drawings, sensitive materials, manuals and training mate-

rials. They design, print and distribute business cards, letterhead, invitations and programs, and provide devices to print, scan, copy and fax while providing maintenance and ink cartridges. They offer document automation and content services for building digital libraries.

To register, go to <https://www.dso.documentservices.dla.mil>. For information, visit documentservices.dla.mil or call (808) 473-1699 or (315) 473-1699.

OTC pharmacy counter

The pharmacy at the JBER hospital has over-the-counter medication for DoD beneficiaries from 7:30 to 10:30 a.m., Monday through Friday. Flyers and those on personnel reliability program status, pregnant, or under the age of 2 are not eligible.

The clinic offers pain relievers; cough, cold and allergy medications; ointments; constipation and diarrhea medications, and others. For information, visit JBERPharmacy on Facebook.

Maintainers nab PACAF-level award

By **AIRMAN 1ST CLASS
CAITLIN RUSSELL**
JBER Public Affairs

The 3rd Maintenance Group, in partnership with the 176th Maintenance Group and 477th Fighter Group, at Joint Base Elmendorf-Richardson, was recently presented Pacific Air Forces' 2018 Clements McMullen Memorial Daedalian Weapon System Maintenance trophy.

The award recognizes the unit which has best met the objective of providing safe, serviceable and available equipment for sustained use in peacetime and wartime.

The award is presented at various competing levels; the next will be at Air Force Headquarters level, with the competition culminating at the Department of Defense.

"Our maintenance group achieved this award through continuous hard work and dedication to excellence," said Air Force Col. Matthew Powell, 3rd Maintenance Group commander. "They [Airmen] provide an unprecedented level of performance that is consistent with this location. Every mission partner, technician, maintainer, every person providing



Air Force Staff Sgt. Taylor Bechtol, a 90th Aircraft Maintenance Unit weapons load crew chief, helps prepare munitions to be lifted by the jammer during the quarterly load competition at Joint Base Elmendorf-Richardson Oct. 26. During the competition, two teams tested their skills as load crew members for the F-22 Raptor. The 3rd Maintenance Group, which includes the 90th AMU, was recently awarded the Clements McMullen Memorial Daedalian Weapon System Maintenance trophy. (U.S. Air Force photo/Airman 1st Class Jonathan Valdes)

support, has a part to play in this mission."

The maintainers distinguished themselves by accomplishing superior aircraft and munitions maintenance from Oct. 1, 2017 through Sept. 30, 2018.

During this time, they accumulated a series of accomplishments across a broad range of services.

The various groups executed an extensive F-22 Raptor flying program, leading to 6,157 sorties and

more than 8,856 hours flown across three areas of responsibility.

They also generated 612 C-17 Globemaster III airlift missions and transported 7,100 tons of cargo worldwide.

The Clements McMullen Memorial Daedalian Weapon System Maintenance trophy, first awarded in 1960, is presented annually to determine to have the best weapons-system maintenance record for the preceding calendar year.

The maintenance group was a DoD-level recipient in 1998 and 2005, and have also secured nominations at PACAF for the last seven years.

"The men and women of the maintenance group have earned this award," Powell said. "Considering the arctic conditions personnel work in continuously and the complex mission Joint Base Elmendorf-Richardson encompasses, it is a total team effort every day." 

Graphic novellas educate on cyber threats

By **DEVON L. SUITS**
Fort Meade Public Affairs

FORT MEADE, Md. — Since World War II, the Army has been using comic books to train Soldiers on specific duties and reduce casualties through improved situational awareness.

The trend continued through the Vietnam War. At that time, the Army discovered a training deficiency and produced a comic book to educate Soldiers about proper weapon maintenance.

Fast forward to today, the Army is facing a new challenge.

Advancements in cyber and smart technologies have the potential to alter the landscape of future military operations, according to Lt. Col. Robert Ross, threatcasting project lead at the Army Cyber Institute, West Point, New York.

The U.S. military, allied partners, and their adversaries are finding new ways to leverage networked devices on the battlefield, Ross said.

“The use of networked technology is ubiquitous throughout society and the leveraging of these devices on future battlefields will become more prevalent; there is just no escape from this trend. Technology is integrated at every level of our Army,” he said.



Keeping with the Army's legacy of producing visual literature to improve readiness, the ACI has partnered with Arizona State University Threatcasting Lab to produce a series of graphic novella.

The lab brings together military, government, industry, and academia experts to envision possible future threats.

Through their research, the workshop develops potential cyber threat scenarios, and then explores options to disrupt, mitigate, and recover from these future threats.

Each graphic novella considers what cyber threats are plausible in

the next 10 years -- based on a combination of scientific fact and the imagination of those involved, Ross explained.

“This project is designed to deliver that understanding through visual narrative,” he said. “Technical reports and research papers do not translate as well to the audiences we are looking to influence. Graphic novellas are more influential of a medium for conveying future threats to not only Army organizations at large, but down to the Soldier level.”

The novella titled “1000 Cuts” depicts the psychological impact that a cyber-attack could have on Soldiers

Advancements in cyber and smart technologies have the potential to alter the landscape of future military operations. To help educate Soldiers about this future threat, the Army Cyber Institute at West Point, New York, has partnered with Arizona State University Threatcasting Lab to produce a series of graphic novellas. The graphic seen here is from the novella titled “Insider Threat.” To read the novella, visit www.threatcasting.com. (U.S. Army illustration/Paco Diaz Luque)

and their families. In the story, these attacks were enough to disrupt a deployed unit, leaving them open to an organized attack, Ross said.

“Given the exponential growth in Soldiers' use of [networked] devices ... 1000 Cuts presents an extremely plausible threat. It demonstrates how non-state actors can leverage technical vulnerabilities within the cyber domain to their advantage in the land domain,” Ross said.

“The visual conveyance of a graphic novella enables leaders to not only envision these scenarios but retain the lessons that can be drawn from them as well,” he added. 

THE FIRE IN THE NIGHT



Paratroopers assigned to Bravo Battery, 2nd Battalion, 377th Parachute Field Artillery Regiment, 4th Infantry Brigade Combat Team (Airborne), 25th Infantry Division, U.S. Army Alaska, transport M119 105 mm howitzer ammunition during a forced entry and follow-on live-fire exercises at Malemute Drop Zone, Joint Base Elmendorf-Richardson Jan. 15. (U.S. Air Force photos/Alejandro Pena)



A case of M119 105mm howitzer ammunition waits at Malemute Drop Zone for Soldiers of B Battery, 2nd Battalion, 377th Field Artillery Regiment to fire Jan. 16. The Soldiers were conducting an exercise which included a nighttime airborne jump followed by artillery live-fire, despite the chilly temperatures. The "Spartan Steel" battalion has a long lineage - first constituted in 1921, it was active in World War II, conducting jumps into St. Martin-de-Varreville, France, and Nijmegen, Holland during Operation Market Garden. The unit also defended Bastogne, Belgium during the Battle of the Bulge, and has since seen service in Afghanistan and Iraq.

LEFT: Paratroopers assigned to B Battery, 2-377th PFAR, unload M119 105mm howitzer ammunition while preparing for live-fire training at Malemute Drop Zone on JBER Jan. 16. The Soldiers of 4/25 belong to the only American airborne brigade in the Pacific and are trained to execute airborne maneuvers in extreme cold weather and high altitude environments in support of combat, partnership and disaster relief operations.

BELOW: Paratroopers of B Battery, 3-377th PFAR set up a M119 105mm howitzer for training.

ON THE COVER: A paratrooper with B Battery relays orders during artillery live-fire training.



HOT FRESH

JBLM helos, crew come to train with 1/25 INF

FRIES



Soldiers of the 2nd Battalion, 158th Aviation Regiment, 16th Combat Aviation Brigade, Joint Base Lewis-McChord, Wash., deplane a UH-60 Blackhawk helicopter from a U.S. Air Force C-5 Galaxy at Joint Base Elmendorf-Richardson Jan. 14. The Soldiers towed 4 of the helicopters to Hangar 1 for reconstruction before conducting Fast Rope Insertion Extraction System training, or FRIES, with Soldiers of the 1st Stryker Brigade Combat Team, 25th Infantry Division. The 1-25 is training for their upcoming rotation to the National Training Center at Fort Irwin, Calif., an intensive training area which offers a multitude of opportunities not available at most other installations. (U.S. Army photo/John Pennell)

