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Far East District

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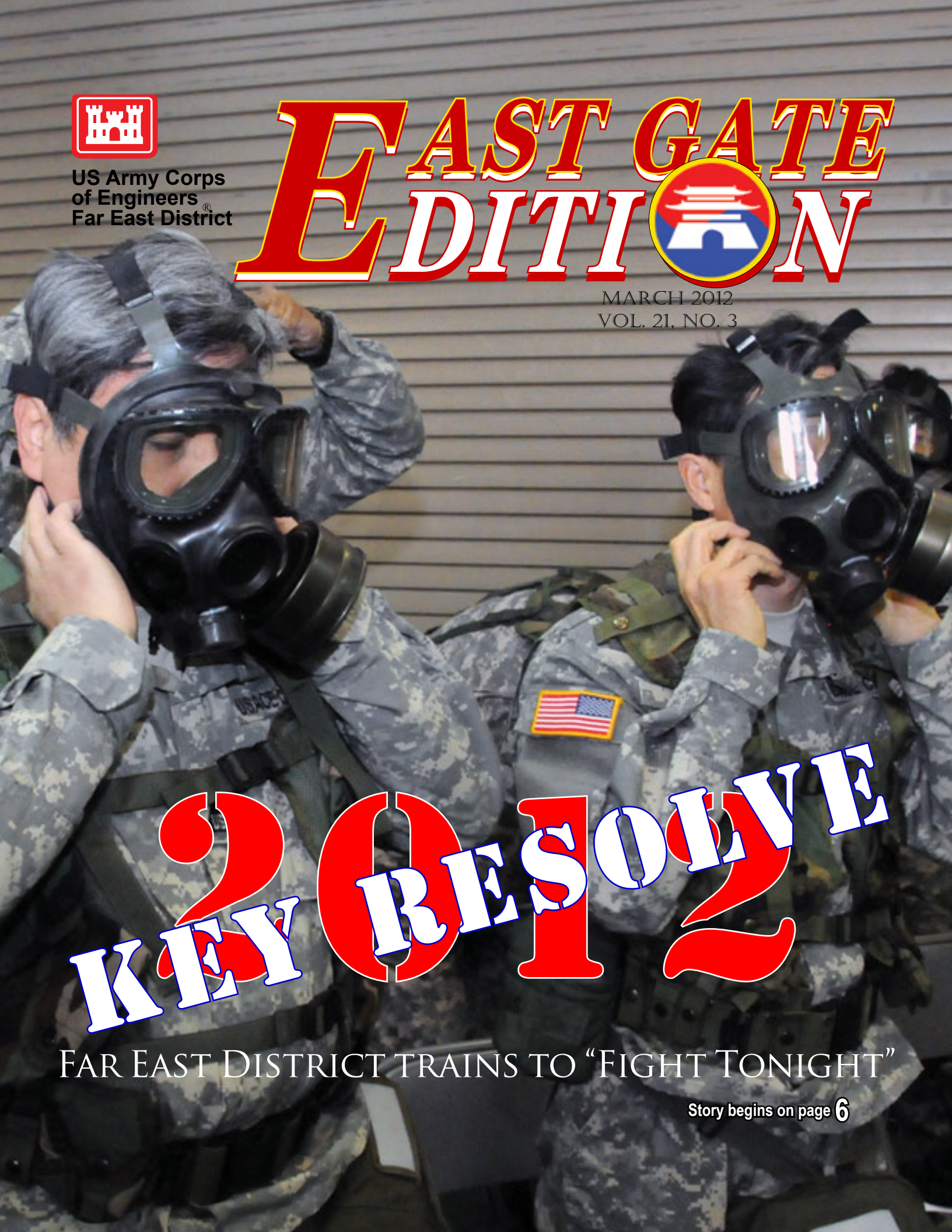

KEY RESOLVE 2012

Far East District trains to "Fight Tonight"

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US Army Corps of Engineers®
Far East District

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www.pof.usace.army.mil

On the cover

Emergency and Mission Essential Civilians practice putting on their protective masks in training for Key Resolve 2012. (Photo by Patrick Bray)

Col. Donald E. Degidio, Jr.

Commander's Corner

To the Great Team of the Far East District and our entire Team of Teams,

In keeping with our focus of Readiness and our Contingency mission, this month the District rehearsed our ability to "Fight Tonight" as we supported U.S. Forces Korea and the Republic of Korea-U.S. Alliance during Key Resolve 2012. Our ability to carry out our mission through Armistice, Contingency, and Crisis is one of many reasons why I am proud and honored to serve along with the Far East District and the Republic of Korea.

This month began with Key Resolve where the District accomplished many things, some of which for the very first time. We successfully utilized the Wartime Host Nation Site provided to us by our ROK Partners for an extended period of time. This has never been done before in FED history. We were also joined by the Pacific Ocean Division who assisted us maintaining our base of operations throughout the exercise. We have reasserted ourselves that we are a team of dedicated professionals who take pride in being the design engineering and construction agent of choice in the Republic of Korea.

For those who did not have an opportunity to participate in the exercise, but would have liked to, I am happy to announce that we are recruiting! Many in our ranks are Emergency Essential or Mission Essential Civilians. Come join the Team and sign up today as an EEC or MEC.

Following Key Resolve I was able to travel to Washington, D.C., to attend the USACE Afghanistan Lessons Learned Conference. This will prove to be a tremendous opportunity for us to apply those lessons in overseas contingency operations to the great work we are doing here in Korea.

Thanks for all you do each and every day!

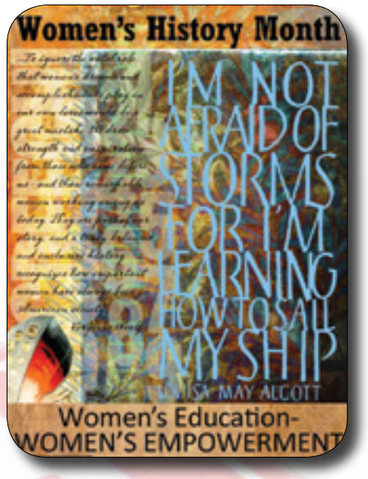
To our great Alliance – Katchi Kapsida!
To our great Corps – Essayons!
One Team Building Strong® in Korea!

FAR EAST DISTRICT
Building Strong in Korea!

Read more Commander's Information on Page 26-27

Women's History Month and Far East District Outreach and Recruitment

By Far East District
Equal Employment Opportunity Office



This month the U.S. Army Corps of Engineers Far East District observes the Women's History Program. The program's speaker for this year's Women's History Program is Leora Andersen who is the Director of the Area II Civilian Personnel Advisory Center.

The theme of the program this year is "Women's Education – Women's Empowerment" which commends women, such as M. Carey Thomas and Hallie Quinn Brown, in achieving equality in education. The Women's History Month Tri-signed letter which was signed by the Secretary of the Army, John M. McHugh, Chief of Staff of the Army, Raymond T. Odierno, and Sgt. Maj. of the Army, Raymond F. Chandler III, states, "After the American Revolution, basic educational opportunities for women and men were created as a safeguard for democracy, and that commitment to education laid the foundation for women to make indelible contributions in every field, including security and defense."

Keysha Cutts-Washington at the 2012 Black Engineer of the Year Recruitment Conference in Philadelphia.

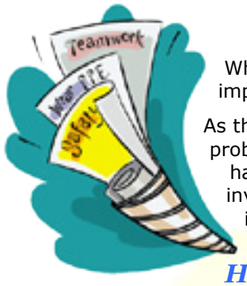
This year the Equal Employment Opportunity Office had one of its Special Emphasis Program Managers, Keysha Cutts-Washington, attend the 2012 Black Engineer of the Year Awards (BEYA) Science, Technology, Engineering, and Mathematics (STEM) Conference. The BEYA STEM Conference is an annual event in which many students of all ages and thousands of professionals come from all over the country to attend. It provides a diverse environment fit for recruitment, networking, and professional development. Hunter Dandridge also attended the BEYA STEM Conference.

This year the conference was held in the Philadelphia Downtown Marriott and Convention Center in Philadelphia from Feb. 16-18. The events of the conference were co-hosted by the Lockheed Martin Corp., the Council of Engineering Deans of the Historically Black Colleges and Universities, and U.S. Black Engineer and Information Technology Magazine. It was sponsored by Aerotek and the Career Communications Group, Inc.

"The 'BEYA Experience' (Becoming Everything You Are) as it was affectionately called throughout the conference has touched the lives of countless Kindergarten to 12th grade students, college students, educators, corporate and government executives and professionals for the past 26 years; and many participants expressed their commitment to support and encourage others to embrace the 'BEYA Experience,'" said Cutts-Washington.

Building Safety Strong
ARMY SAFE IS ARMY STRONG

Speak Up For Safety



When you get a good idea at work, share it. Your suggestion could be the one that improves the quality of your work product or prevents an injury.

As the worker actually doing the job day after day, you are in a unique position to see problems and find solutions and might see things your bosses and design engineers have overlooked. Your input before a decision is made to alter a work process or invest in major equipment purchases could save significant money and more importantly, save lives.

How you present your suggestion makes a difference. These tips may help to get your point across:

- Talk to the right person. Your supervisor is a good place to start. He or she may suggest expanding on your idea with someone else. Your safety committee also looks for ideas to solve problems.
- Bring up your ideas at your weekly safety talk or your pre-job briefing. Other workers may be able to add to your suggestions.
- Be positive. Instead of complaining about what is wrong, talk about how the problem can be solved.
- Be courteous. It's difficult to get anything useful out of an angry, rude speech.
- Timing is everything when it comes to approaching your boss with a suggestion. If it's one of those days when a big job has to be finished and things seem to be going wrong, your idea might not get the best reception. Wait for a time when your idea can get the attention it deserves.
- Many supervisors encourage their crew members to speak up. Some hold brainstorming sessions to come up with possible solutions to problems. If you are part of an idea meeting, contribute as much as possible and encourage your coworkers to take part. Even suggestions which are not chosen can lead to answers that work out. These meetings can be energetic and fun. Keep your comments on the topic.
- Some workplaces use suggestion boxes, allowing you to put forward an idea without being identified. Use the box the way it is intended to be used, to offer ideas for improvements.
- You can do research to support your idea. Talk to your supervisor or safety officer to get magazine articles or supplier information. The Internet has a wealth of information on industry and safety.

Whether your suggestion is to remove a hazard or speed up the process, it is important for you to communicate it. Your inspiration could save everyone some perspiration. It may save someone much, much more!

Far East District supports Key Resolve 2012

By Patrick Bray
FED Public Affairs

The U.S. Army Corps of Engineers, Far East District supported the exercise Key Resolve 2012 Feb. 27-March 9.

Key Resolve is an annual joint-combined Command Post Exercise which demonstrates the U.S. commitment to the Republic of Korea-U.S. Alliance and enhances the combat readiness of ROK and U.S. supporting forces. FED's participation demonstrated the District's continuous and uninterrupted support of U.S. Forces Korea and the Alliance through armistice, crisis, and contingency.

"Throughout the exercise in Seoul, Daegu and Korea wide, FED stood ready to support our customers, stakeholder, and the Alliance," said Col. Donald E. Degidio, Jr., Commander of FED. "We did some fantastic things this exercise and I truly appreciated everyone's professionalism, discipline, work ethic, safety, and attitude that really made a difference."

The District coordinated with the Korean Ministry of National Defense and Ministry of Education to acquire a Wartime Host Nation Site (WHNS) at a local university. Doing so required careful and precise planning from FED's Logistics and Information Management Office.

(See Transfer on page 13)

"I am proud that we were able to make this site fully operational and able to use it for an extended period," said Degidio. "This is something that FED has never done before and a very remarkable milestone."

During the exercise, FED was not operating alone. The Pacific Ocean Division along with the 416th Theater Engineer Command deployed engineers to enhance the readiness of FED.

According to Mitchel Glenn, the Pacific Ocean Division's Military Planner, this was the first time that a POD -Forward Advance Echelon deployed early to take command and control of the deployed Forward Engineer Support Teams.

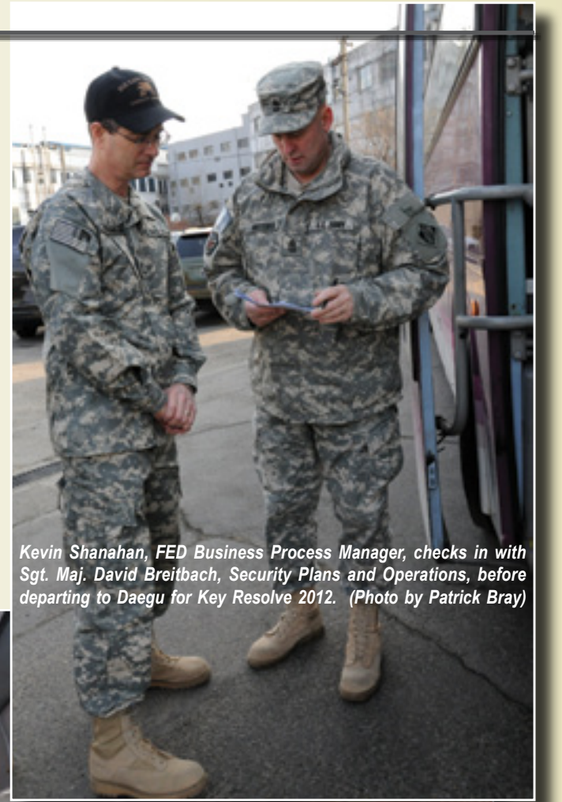
Just after sunrise March 3, Far East District members pack their bags on the bus for the deployment to Daegu for Key Resolve 2012. (Photo by Patrick Bray)

"At the end of the day, our success was directly related to the support we received by our in country host, the Pacific Ocean Division Far East District," said Maj. William R. Holstine from 416th Theater Engineer Command.

In addition to POD, the Northwestern Division, Portland District, and Seattle District handled the reception, staging, onward movement, and integration portion of the exercise. This ensured that the Forward Engineer Support Teams could deploy to Korea ready and without delay.

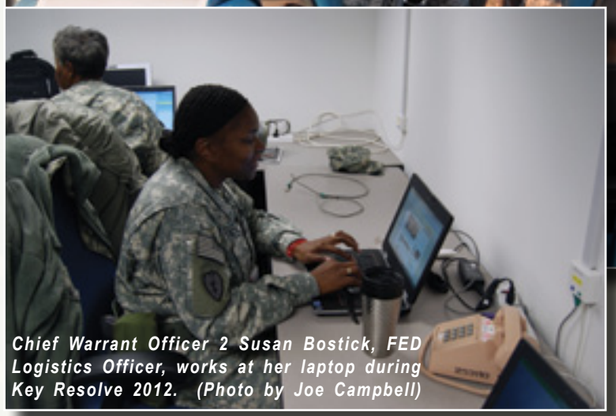
Many members of FED are Emergency Essential (EEC) or Mission Essential Civilians (MEC). These personnel will remain with the District during contingency operations even if all others are evacuated.

"For those FED Emergency and Mission Essential Civilians, special thanks," said Degidio. "You are what make the Far East District the U.S. Army Corps of Engineers Maneuver District."



Kevin Shanahan, FED Business Process Manager, checks in with Sgt. Maj. David Breitbach, Security Plans and Operations, before departing to Daegu for Key Resolve 2012. (Photo by Patrick Bray)

Col. Donald E. Degidio, Jr., Commander of the Far East District, briefs FED Emergency Essential Civilians as they prepare to depart for Daegu to support Key Resolve 2012. (Photo by Patrick Bray)



Chief Warrant Officer 2 Susan Bostick, FED Logistics Officer, works at her laptop during Key Resolve 2012. (Photo by Joe Campbell)

Pacific Ocean Division-Forward joins Far East District for exercise

By Patrick Bray
FED Public Affairs

The U.S. Army Corps of Engineers, Pacific Ocean Division supported the U.S. Forces Korea readiness exercise Key Resolve Feb. 27-March 9.

Key Resolve is an annual joint-combined Command Post Exercise which demonstrates the U.S. commitment to the Republic of Korea-U.S. Alliance and enhances the combat readiness of ROK and U.S. supporting forces.

The Pacific Ocean Division supported the exercise by deploying engineers to enhance the readiness of the Far East District through Field Force Engineering. FFE consists of two categories: deployed and reach back. POD established reach back through a Base Camp Development Team which assumed command and control of the deployed Forward Engineer Support Teams. *(See FEST on page 12)*

According to Mitchel Glenn, POD's Military Planner, this was the first time that a POD-Forward Advance Echelon (ADVON) deployed early in support of this exercise. Upon arrival at Camp Carroll, POD-Forward ADVON established communications and developed a battle rhythm beginning with situation reports and conference calls to POD as the rest of the POD elements were processing through reception, staging, onward movement, and integration in the U.S.

POD-Forward ADVON was able to quickly organize and assume responsibility roles when they arrived in theater. They were then prepared for the arrival of the FEST teams and structured a training schedule to ensure they received transportation support, in processing, mission essential equipment and adequate time to research and begin drawing data on their assigned missions.

POD-Forward was augmented with personnel from the 416th Theater Engineer Command, a U.S. Army Reserve unit stationed in Hawaii. Use of the 416th TEC contributed to the success of POD-Forward and greatly increased the training value of Key Resolve 2012.

"At the end of the day, our success was directly related to the support we received by our in country host, the Pacific Ocean Division Far East District," said Maj. William R. Holstine, 416th Theater Engineer Command assigned to POD-Forward.

POD-Forward was able to successfully deploy the FEST teams to their respective mission sites as they exercised their communications-deployment plan and linked up with the team translators to assist in movement to site and initial coordination meetings.

"The technology support received at Camp Carroll by Risty Thompson was invaluable as we established our operations," said Holstine. "In my 28 years of military experience I've never experienced a more engaged civilian providing technology support."

With POD-Forward in place and communication well established, the FEST teams could begin their missions. Lt. Col. Tom Brady, FED Liaison to USFK, arranged the initial meetings with the customer. The FEST teams were provided with detailed guidance as to the product to be delivered and ensured that the FEST team leader and customer were in sync.

The missions the FEST teams received were "real world" and were outstanding opportunities to develop their team member's skills and a cost effective way to provide the customer a detailed, comprehensive, and professional product.

"This was a true win-win for the FEST team and the customer," said Holstine. "These types of missions don't normally occur during an Annual Training Exercise. I strongly recommend the continuance of these types of opportunities for FEST teams in the future as we continue to display the value the Army Engineer can provide to garrison and wartime commanders."

Sgt. Zachary Harper, 416th TEC Logistics NCO, found Key Resolve 2012 to be an excellent training, learning, and cultural opportunity.

"Using new software and being introduced to current operational standards has improved my effectiveness as a soldier and boosted confidence in my abilities," said Harper. "Also, training within the Korean theatre has helped me better understand the urban and topographical conditions that our units would encounter if real-world operations were to ever take place here."

Overall, Harper and other members of POD-Forward enjoyed their experience in Korea.

"A few other soldiers and me went to a Korean restaurant in the town surrounding Camp Carroll and indulged in delicious local food," said Harper. "The waitress was friendly, though her use of English was limited. The menu had only Korean text, though we managed to order by pointing to pictures of the meals. The food was served and didn't disappoint."

(Right) Col. Donald E. Degidio, Jr. (right), Commander of the Far East District, briefs Col. Gregory Gunter (left), Deputy POD Commander, at the multi-purpose traing complex under construction by FED. Gunter was able to see some of the District's projects during Key Resolve 2012. (Photo by Joe Campbell)

(Below) Members of Pacific Ocean Division-Forward prepare to depart for Daegu to support Key Resolve 2012. (Photo by Patrick Bray)

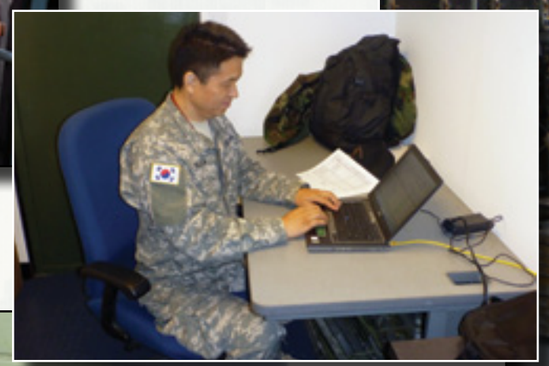
Members of FED and Pacific Ocean Division-Forward tour the new humidity controlled warehouse recently completed by FED at Camp Carroll. During Key Resolve 2012, FED was able to show leaders from POD some of the District's many projects in the Daegu area. (Photo by Joe Campbell)

Supporting Key Resolve 2012 and the ROK-U.S. Alliance

(Right) Col. Donald E. Degidio, Jr., Commander of the Far East District, and members of FED look at a project site during Key Resolve 2012. (Photo by Joe Campbell)

(Below) Sgt. Maj. David Breitbach (right), Security Plans and Operations, checks names of Emergency Essential Civilians before departing to Daegu in support of Key Resolve 2012. (Photo by Patrick Bray)

(Right) Yu Chi-nam, FED Commander's Driver, works at his laptop during Key Resolve 2012. (Photo by Joe Campbell)



Yim Yong-sik, Logistics Management Office mechanic, maintains FED's generator during Key Resolve 2012. (Photo by Joe Campbell)

(Right) Jaymes Hovinga, Chief of the Far East District Safety Office, and Kim U-kon, Deputy Resident Engineer at Kunsan Resident Office, inspect the Kunsan Maintenance Facility Phase 2 project site at Kunsan Air Base during Key Resolve 2012. (Photo by Joe Campbell)

(Below) While Kunsan Air Base was engaged in the exercise Key Resolve 2012, work at all FED project sites continued such as the Kunsan Maintenance Facility Phase 2 below. (Photo by Joe Campbell)

(Right) Workers inspect scaffolding at the Kunsan Maintenance Facility Phase 2 at Kunsan Air Base. Work at all project sites continued throughout Key Resolve 2012. (Photo by Joe Campbell)

Forward Engineer Support Teams participate in Key Resolve 2012

By Patrick Bray
FED Public Affairs

Four U.S. Army Corps of Engineers, Forward Engineer Support Teams supported the U.S. Forces Korea readiness exercise Key Resolve Feb. 27-March 9.

Key Resolve is an annual joint-combined Command Post Exercise which demonstrates the U.S. commitment to the Republic of Korea-U.S. Alliance and enhances the combat readiness of ROK and U.S. supporting forces. The mission of the FEST teams is to provide sustained U.S. Army Corps of Engineer contract, construction, and engineering execution capabilities during military contingencies and disaster relief operations.

The FEST participation in Key Resolve 2012 demonstrated USACE Far East District continuous and uninterrupted support of the District's customers in USFK and the Alliance.

Lt. Col. Tom Brady, FED Liaison to USFK and Field Force Engineering, arranged the initial meetings with the customers. The FEST teams were then provided with detailed guidance as to the product to be delivered and ensured that the FEST team leader and customer were in sync.

The missions the FEST teams received were "real world" and were outstanding opportunities to develop their team member's skills. The missions were also a cost effective way to provide the customer a detailed, comprehensive, and professional product.

A Forward Engineering Support Team-Main (FEST-M) is one of USACE's seven specialized Field Force Engineering teams. The FEST-M is a combination of active duty or reserve Soldiers and USACE civilians. Another type is the Forward Engineering Support Team-Advanced (FEST-A). All together, these teams train, deploy, and operate as a unit. During Key Resolve 2012, command and control was assumed by elements from POD.

The 378th Engineer Detachment (FEST-Main) from Decatur, Ga. Participated in Key Resolve by conducting an assessment of critical infrastructure which supports USFK.

The team consisted of eight personnel from different locations throughout the U.S. which included Colorado, Illinois, Georgia, Wyoming, Wisconsin, and Michigan. Col. Loren Zweig, Command Sgt. Major Michael Price, and Sgt. 1st Class Dave Johnson are the only ones permanently assigned to the 378th. The remaining personnel came together for the exercise and this was the first time they have worked with each other.

The expertise that each individual brought to the team was various. The team included three professional engineers, a plumber, a general contractor, a real estate specialist, and a weapons specialist but coordinating their efforts was not a challenge.

"The main challenge was to get the mission underway with such a short timeline," said Lt. Col. Thomas McBroom. "Once we received the mission requirements, we were able to outline the scope and start putting together the product."

At their disposal the team had tools to assist with their mission. This equipment also enables them to take on a variety of different projects.

"Projects can include engineering design, base camp development, developing scopes of work, construction management, and terrain analysis," said McBroom.

At Camp Carroll, the 714th Engineer Detachment (FEST-Advanced) conducted critical infrastructure protection assessments around the Daegu area. The 714th has been working with each other since 2009 and are used to deployments. During Key Resolve they were augmented with four additional personnel throughout their mission.

Read more on page 22

Lt. Col. Bill Heyse, Forward Engineer Support Team-Main, measures distance with a laser during Key Resolve 2012. (USACE Photo)

Far East District rehearses transfer of real estate

By Edward J. Minnerly
FED Logistics Management Office

The U.S. Army Corps of Engineers, Far East District accomplished a major event during the recent Combined Forces Command exercise Key Resolve 2012 by deploying and establishing a command and control operation at the Daegu National University of Education utilizing the Wartime Host Nation Support (WHNS) program. This has never been accomplished by FED or U.S. Forces Korea in many years.

The USFK WHNS Program is primarily based on the umbrella agreement between the U.S Government and the Republic of Korea concerning Wartime Host Nation Support that was signed by the U.S. Secretary of Defense and the ROK Ministry of National Defense on November 21, 1991 and became effective in December 1992. Real Estate is one functional area available for U.S. forces use under the WHNS program. FED requested and was granted access to the Daegu National University of Education in order to rehearse the process of transferring real estate to U.S. Forces.

Jason C. Choi, General Supply Specialist, FED Logistics Management Office, worked for several months prior to Key Resolve by coordinating dates that were agreeable to the university, the ROK 50th Infantry Division, and FED. Accomplishing the transfer of WHNS property to FED was important, but equally important was FED's commitment to being a good neighbor and not disrupting the academic activities of the university.

On the morning of March 3, Logistics Management Office personnel arrived at the Daegu National University of Education and met representatives of the Daegu City Hall and the 50th Infantry Division. They conducted a joint-inventory and processed documents for the transfer of three rooms to FED.

The FED Information Management Office quickly established access to the USACE network and secure communications access via tele-engineering connectivity with the USACE Reachback Operations Center. Lt. Col. John Rhodes, FED Deputy Commander, and members of the Logistics and Information Management Offices, maintained operations for over 30 hours simulating FED Main operations in a contingency scenario.

The team demonstrated to, Col. Donald E. Degidio, Jr., Commander of FED, and Col. Gregory Gunter, Deputy Commander of the Pacific Ocean Division, the ability to communicate with USACE, provided a briefing on WHNS and the Daegu National University of Education, and conducted a walking tour of the university.

The 50th Infantry Division supported FED by providing three Soldiers for the duration of this event. Degidio thanked the Soldiers for their support to FED and the ROK-US Alliance by presenting each a District Coin.

(Left to right) Col. Donald E. Degidio, Jr., Commander of the Far East District, Col. Gregory Gunter, Deputy Commander of the Pacific Ocean Division, Lt. Col. John Rhodes, Deputy FED Commander, and Gabe Garcia, FED Information Management Office, check the communication network at the Wartime Host Nation Support site during Key Resolve 2012. (FED Photo)

Emergency and Mission Essential Civilians: Building Strong in Korea

By Patrick Bray
FED Public Affairs

Col. Donald E. Degidio, Jr., Commander of the U.S. Army Corps of Engineers, Far East District, is looking for a few volunteers.

"We're recruiting," said Degidio. "Come join the team and sign up today as an Emergency Essential Civilian or a Mission Essential Civilian."

Many members of FED are already serving in Emergency Essential or Mission Essential Civilians roles. These personnel will remain with the District during contingency operations even if all others are evacuated.

Emergency Essential and Mission Essential Civilians conducted their annual training Feb. 22 in preparation for Key Resolve 2012. This training included ensuring that everyone's uniform fit and was serviceable, training on the protective mask, and how to conduct CPR and buddy aid. Mission Essential Civilians, which includes Korean National Employees, were able to receive training from the Korean Service Corps.

Emergency Essential and Mission Essential Civilians are the ones who truly make FED the U.S. Army Corps of Engineers Maneuver District.

Sarah Woo, Chief of Environmental Section, FED Engineering Division, gets help donning her protective mask from Jason Choi, FED Supply Specialist, during EEC/MEC training Feb. 22. (Photo by Patrick Bray)

(Right) Yi Won-ho, FED Engineering Division, practices CPR during EEC/MEC training Feb. 22. (Photo by Patrick Bray)

(Below) FED Emergency Essential Civilians practice donning their protective masks during EEC/MEC training Feb. 22. (Photo by Patrick Bray)

(Right) Members of the Korean Service Corps train FED Mission Essential Civilians in buddy aid during EEC/MEC training Feb. 22. (Photo by Patrick Bray)

(Below) Jason Choi helps Staff Sgt. David Kotas demonstrate full mission oriented protective posture gear which would be done in a toxic environment. (Photo by Patrick Bray)

(Below) Michael Miyagi, FED Contracting Division, practices buddy aid with Ed Minnerly, Chief of Logistics Management, during EEC/MEC training Feb. 22. (Photo by Patrick Bray)

Far East District leadership class participates in Hawaii retreat

By Insung Park
FED Engineering Division

The most recent class of the U.S. Army Corps of Engineers Leadership Development Program (ULDP) Level II was initiated in October 2011. The intent is to develop leaders with a consistent set of tools throughout the Pacific Ocean Division.

Recently the ULDP class was able to meet in Hawaii for a four day retreat. Seven FED class members were able to attend. The attendees were Insung Park, Kwon Yong-chin, Benjamin Mahaffay, C.J. Lee, Vincent Pecchia, Kar Kin Lee, Khadijah Freeman, and Tae Yu.

"ULDP provided me a chance to meet and interact with other professionals from different districts," said Kar Kin Lee. "Throughout the four-day retreat, we attended the classes, listened to the lecturers, had discussions, and conducted exercises together as a team."

The classes utilized a variety of different tests and self-evaluations. The Myers-Briggs Type Indicator (MBTI) was introduced to the class as a personality test. Based on pre-accessed self-evaluations by each individual, it is used as an implementation tool to reflect an individual's preferred source of energy (extraversion-introversion), taking in information (sensing-intuition), decision making (think-feeling), and lifestyle (judging-perceiving).

"It was interesting to witness indications of each participant's own MBTI preferences as we were working together in class discussions and as a team playing outdoor games," said Tae Yu. "Extraverts were a bit gregarious and emotional while introverts were reserved and inward."

Realizing that everyone is different, it is often unavoidable to have to deal with interpersonal conflicts. The participants learned about the Thomas-Kilmann Conflict Instrument. TKI mainly described conflict in two basic dimensions; assertiveness where the individuals prefer their own concerns and cooperativeness where the individuals are sensitive to others' concerns.

"Certain personalities clash and some flourish," said Vincent Pecchia. "The idea is to realize these styles exist and learn how best to communicate between them."

The class members left the retreat with a new ability to communicate in an organization, resolve conflicts, and a better understanding of everyone's personal differences, attitudes, and behaviors.

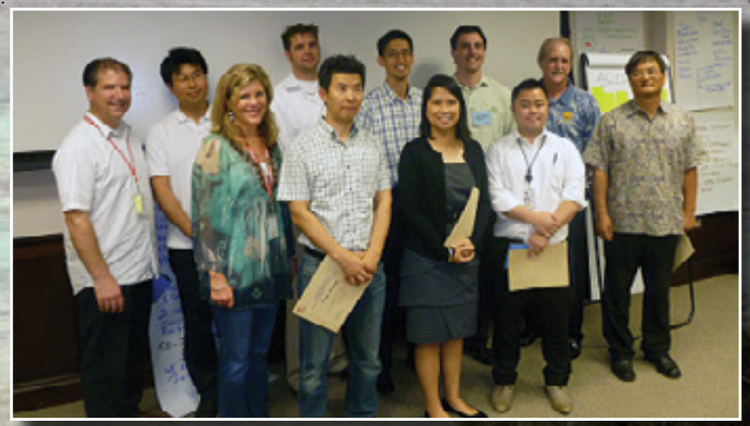
"During the ULDP retreat, I met some amazing folks from Japan, Alaska, and Hawaii Districts as well as the Pacific Ocean Division," said C.J. Lee. "We had fun learning our unique MBTI personality types, how to resolve conflicts, how to have powerful conversations, and how to give each other feedback."

All in all, everyone walked away with a good experience and new leadership skills to put to use.

"Since elementary school, I had been a class president staff member and officer at my school and church several times," said Yong Chin-kwon. "However during that period I didn't have this kind of amazing communication training. It was really impressive training and exercise to me."

Being that the retreat was held in Hawaii, the class also had the opportunity to see some of the many beautiful attractions. Some class members played golf at a U.S. Marine Corps installation when they arrived which helped them relax and prepare for the week ahead.

"I'd like to give special thanks to Col. Greg Gunter (Deputy Commander of POD) for getting us a tee time at Klipper Golf Club," said Ben Mahaffay. "Also George Chan, Ryo Nakamoto, Lisa Chan, and Nannette Nicolas for taking time to share insights with FED."



"Leadership is not just directing someone as a boss in a hierarchy, but coordinating and communicating with colleagues and groups to perform what needs to be done in a sophisticated work environment."
--Insung Park

(Left to Right) Far East District ULDP class members Ben Mahaffay, Kar Kin Lee, Insung Park, and Vincent Pecchia enjoy some rest and relaxation berfore the leadership retreat in Hawaii. (FED Photo)

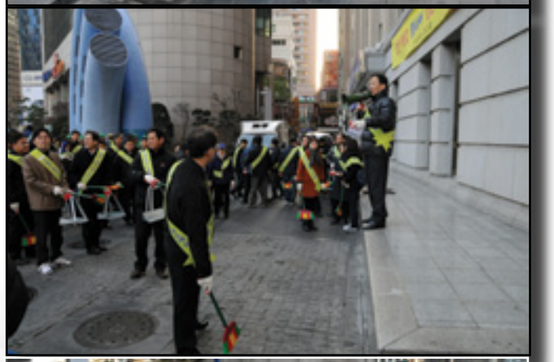
Members of the ULDP class participated in a leadership retreat in Hawaii. (FED Photo)

Far East District keeps Seoul clean

By Patrick Bray
FED Public Affairs

Members of the U.S. Army Corps of Engineers, Far East District helped to clean up trash around the Jung-gu (district) of Seoul March 20 as part of the District's Good Neighbor Program. FED maintains a strong relationship in the community where its members and employees work.

"Thanks to all who participated," said Col. Craig Johnson, Korea Program Relocation Office Military Deputy Director. "You confirmed again the fine examples all of you are for the Corps of Engineers."



(Above Right) Chief Warrant Officer 2 Susan Bostick, Far East District Logistics Operations Officer, collects trash caught in a drain in the Jung-gu area of Seoul March 20. (Photo by Patrick Bray)

(Right) Citizens from the Jung-gu District of Seoul gather for their annual spring cleanup of their neighborhood March 20. (Photo by Patrick Bray)

See more photos of FED Cleanup at www.flickr.com/photos/fedpao/sets

Col. Craig Johnson scrapes gum off the sidewalk in the Jung-gu District of Seoul March 20. (Photo by Patrick Bray)

Col. Craig Johnson (center), Korea Program Relocation Office Military Deputy Director, met with the Vice Mayor of Seoul, Kim Sang-bum (left), and the Jung-gu District Vice Mayor, Kim Yong-soo (right), March 20. (Photo by Patrick Bray)

EEO CORNER

USACE promotes first woman to general officer

By Jacqueline Y. Tate
Great Lakes and Ohio River Valley

Editor's Note: March is Women's History Month. In observance of this month's theme, FED recognizes the first woman to be promoted to general officer in USACE history which took place earlier this year.

In a historic ceremony, Brig. Gen. Margaret W. Burcham became the first woman to be promoted to general officer in the U.S. Army Corps of Engineers Jan. 27, 2012 in the Corps' Washington, D.C. headquarters.

"This promotion has given me the opportunity to keep serving for several more years, and to keep doing a job that I'm passionate about," said Brig. Gen. Margaret W. Burcham, commander of the Great Lakes and Ohio River Division. "This will also give me a chance to showcase the Corps. As the first female engineer general officer, I am already getting invitations to speak at events. There is so much good that the Corps does, and I will use the opportunities that I'm given to get that word out," added Burcham.

Lt. Gen. (ret.) Robert Van Antwerp, former chief of engineers, hosted the ceremony, praising Burcham and thanking her for her dedicated service to the Army, and wished her well.

"This is an historic day," said Van Antwerp to the attendees. "In the future, you will tell people, 'I was there when we promoted the first woman to general officer in the Corps of Engineers.'"

Burcham's husband, Jay Burcham, and her son, John Tubesing, pinned on her new rank amidst applause from the audience. The auditorium in the Government Accountability Office Building was a packed house of Corps senior leaders and employees, Burcham's family members, and friends spanning her entire career from classmates in the U.S. Military Academy to the present.

Last September, Burcham became the first woman selected to command a Corps of Engineers division when she took command of the Great Lakes and Ohio River Division located in Cincinnati. The division consists of seven engineer districts that include over 4800 personnel operating in a 17 state region with the responsibility for the federal water resource development throughout the Great Lakes and Ohio River basins.

Burcham received her commission at the U.S. Military Academy at West Point, N.Y., in 1982, and previously served at the Pentagon as the Chief of the Joint Capabilities Division of the Resources, Assessments and Force Management Directorate, and commanded Gulf Region North Engineer District in Iraq and Europe Engineer District.

Lt. Gen. (retired) Robert Van Antwerp, former chief of engineers, administers the oath of office to Brig. Gen. Margaret W. Burcham during her promotion ceremony on January 27, 2012 at the U.S. Army Corps of Engineers headquarters in Washington, D.C. Brig. Gen. Burcham is the Army Corps of Engineers' first female general officer. (Photo by F. T. Eyre, USACE)

Professional and Fundamental Engineer Exams for Korean National Employees

Note: This is the second in a two part series.

U.S. Professional Engineer System
and Examination

Of the 55 states issuing engineering licenses, Illinois formed a separate Structural Engineering Examination Council, and 14 other states formed a separate Engineer Surveyor Examination Council. Therefore there are a total of 70 examination councils throughout the different states, all of which are a part of the National Council of Examiners Engineering and Surveying (NCEES). Although all of the 56 Professional Engineering Councils work closely with the National Council of Examiners Engineering Council (NCEES), different states had different laws in obtaining a engineering license. Unlike Korea, engineering licenses obtained at a particular state cannot be used nationwide, because every state has its own engineering council with their laws that issues and recertifies licenses. Laws related to the engineering license are not reformed by the state's engineering council or NCEES, but the state legislative. An engineer working on different projects in a different state must have a license for all the states he is doing his work. For example, if an engineer who has an Oregon state engineering license wishes to manage an engineering office in California, then he would have to register as an engineer in California to manage the office. Without the state engineering license, he cannot sign or use the initial P.E. in his business card.

There are 16 engineering disciplines which are Agricultural, Architectural, Chemical, Civil, Control Systems, Electrical and Computer, Environmental, Fire Protection, Industrial, Mechanical, Metallurgical and Materials, Mining and Mineral, Naval Architecture and Marine Engineering, Nuclear, Petroleum, and Structural. Most states require a civil engineering license to obtain a structural engineer license, and use the initials S.E. rather than P.E. Not all 55 states issue all 16 licenses, and each state has different laws restricting certain work. For example, Oregon and Alaska do not have job specifications for different engineering disciplines, but California has a law similar to Korea which divides them according to engineering disciplines. As for recertification, 40 states have a training policy that requires 30 professional development hours for two years. To sum up license specifications, training policy for recertification, and qualifications for the exam follow the law of each state, and only the exam and scoring, which is done by NCEES is applied commonly to all.

For an engineer, the engineering license is required to get approval of an architectural blue print, work as a consultant, and to supervise other engineers at work. Professional engineers exist for public safety, health and welfare. To obtain an engineering license, engineers must first pass an eight-hour long F.E. (Fundamental Engineering) exam, have four years of practical experience as an engineer, and pass another eight-hour long P.E. (Professional Engineering) exam. The term engineer here means a person who can make independent decisions to perform engineering tasks. Also depending on the state, they may require test takers to take additional tests in extreme engineering, earthquake engineering, engineering regulations, or even ask for a recommendation letter from another professional engineer.

P.E. and F.E. exam dates are in April and October. It may vary within states, but normally university students in their fourth year are able to apply for an exam. Test takers who have an engineering degree from a university not accredited by the Accreditation Board for Engineering and Technology may have to individually obtain accreditation, and in some cases they do not need a degree, only practical experience. The F.E. exam is held four hours in the morning and afternoon. It evaluates general knowledge that can be obtained in the university engineering courses. The first half of the exam is composed of 120 multiple choice questions from the following 12 subjects: Mathematics, Engineering Probability and Statistics, Chemistry, Computers, Ethics and Business Practices, Engineering Economics, Engineering Mechanics-Statics and Dynamics, Strength of Materials, Material Properties, Fluid Mechanics, Electricity and Magnetism, Thermodynamics. The second half of the exam contains 60 multiple choice questions which the test taker can choose subjects either from the first part of the exam, or of the following subjects: Chemical Engineering, Civil Engineering, Electrical Engineering, Environmental En-

Read more on page 22

Professional and Fundamental Engineer Exams for Korean National Employees

제도

앞서 언급한 55개의 지역 중에서 Illinois 주는 구조기술사 시험위원회를 따로 분리하였고 14개 주는 측량사 시험위원회를 기술사 시험위원회와 따로 분리하였습니다. 따라서 미국 영토 전역에서 기술사와 측량사와 관련한 지역 시험위원회는 70개이며, 이 모두가 NCEES의 구성원입니다. 비록 56개의 기술사 시험위원회가 NCEES 산하에서 밀접하게 교류하지만, 모든 기술사 면허 법은 각 지역 자치에 따릅니다. 즉, 한국과 달리 미국은 연방이 아닌 각 주마다 다른 기술사 면허 법과 주 기술사 시험위원회를 가지고 있고 각 주마다 기술사 시험위원회에서 면허를 발급하고 갱신합니다. 하지만 각 주의 기술사 면허 법은 각 주의 기술사 시험위원회나 NCEES가 아닌 각 주의 입법기관에 의해서 개정됩니다. 여러 주에서 프로젝트를 수행하는 기술사의 경우에는 각각의 주에서 면허를 취득해야만 해당 주에서 기술사로서 활동할 수 있습니다. 예를 들어 Oregon 주의 기술사 면허소지자가 California 주에서 기술사 사무실을 운영하고자 한다면 California 주의 기술사로 등록해야만 합니다. 기술사 업무를 하고자 하는 주의 면허 없이는 해당 주에서 기술사로서 서명 날인은 물론 명함에조차 P.E.라고 쓸 수 없습니다.

기술사 면허는 16개 분야로 나뉘며 농업 (Agricultural), 건축 (Architectural), 화학 (Chemical), 토목 (Civil), 제어 시스템 (Control Systems), 전기 및 컴퓨터 (Electrical and Computer), 환경 (Environmental), 소방 (Fire Protection), 산업 (Industrial), 기계 (Mechanical), 야금 및 재료 (Metallurgical and Materials), 광산 및 광물 (Mining and Mineral), 조선 공학 (Naval Architecture and Marine Engineering), 원자력 (Nuclear), 석유 (Petroleum), 구조 (Structural)로 분류됩니다. 구조기술사의 경우는 토목기술사를 취득한 이후에 응시할 수 있는 경우가 대부분이며, 호칭도 P.E.가 아닌 S.E.를 사용합니다. 55개 모든 지역이 16개 면허를 모두 발급하는 것은 아니며, 분야별 업무 영역 제한도 각 주마다의 법에 따라 다릅니다. 일례로 Oregon 주나 Alaska 주의 경우에는 기술사 분야별 업무 영역 구분이 없지만 California 주의 경우에는 한국과 유사하게 법으로 구분되어 있습니다. 갱신에 관해서도 40개 지역의 시험위원회가 보수교육을 통한 면허 갱신 제도를 운영 중이며 대부분 2년간 30 전문 교육 시간 (Professional Development Hours)을 요구하고 있습니다. 요약하자면 면허의 분야와 업무 영역, 면허 갱신을 위한 재교육 여부, 시험 응시 자격 등은 각 주의 기술사 면허 법에 따르며, 시험 문제의 출제 및 채점만은 NCEES의 것을 동일하게 적용하는 것입니다.

시험

엔지니어에게 있어서 기술사 면허는 인허가를 승인받기 위한 설계도, 컨설턴트로서의 업무 및 기타 엔지니어링 업무의 책임자로서 필수적으로 요구되는 것이며, 기술사는 '공공의 안전, 건강과 복지 (Public Safety, Health and Welfare)'를 위해서 존재한다고 여겨지고 있습니다. 일반적으로 기술사 면허를 취득하기 위해서는 8시간의 기술사보 시험 합격, 해당 분야에서의 4년 이상의 엔지니어로서의 실무경력, 그리고 8시간의 기술사 시험에 합격할 것을 요구합니다. 여기서 엔지니어란 독립적으로 판단하여 엔지니어링 업무를 수행할 수 있는 사람을 의미합니다. 또, 각 지역의 기술사 시험위원회에 따라서 극한공학, 내진설계, 주 기술사법 시험 등 추가적인 시험을 요구하거나 4년보다 더 긴 시간의 실무경력 또는 기존 기술사들의 평가서나 추천장을 요구하기도 합니다.

기술사 시험이나 기술사보 시험은 매년 4월과 10월에 치러집니다. 주 시험위원회 마다 기준이 다를 수 있지만 일반적으로 기술사보 시험의 응시자격은 대학교 4학년부터 가능하며, 미국 공학 및 기술 인증위원회 (Accreditation Board for Engineering and Technology)에서 인증 받은 학과의 공학사 학위가 아닌 경우에는 응시자가 별도로 인증을 받아야 하는 경우도 있고, 학위가 없는 경우에도 실무경력만으로도 응시가 가능합니다. 시험은 오전과 오후 각 4시간이며 주로 공과대학에서 배우는 일반적인 내용을 평가합니다. 오전에는 수학 (Mathematics), 공학적 확률과 통계 (Engineering Probability and Statistics), 화학 (Chemistry), 컴퓨터 (Computers), 윤리 및 사업 실무 (Ethics and Business Practices), 공학 경제 (Engineering Economics), 역학 - 정역학 및 동역학 (Engineering Mechanics - Statics and Dynamics), 재료역학 (Strength of Materials), 재료학 (Material Properties), 유체역학 (Fluid Mechanics), 전기학 및 자기학 (Electricity and Magnetism), 열역학 (Thermodynamics) 등의 12과목에서 객관식 120문항을 평가하며, 오후에는 응시자가 오전과 같은 과목을 선택하거나 화학공학, 토목공학, 전기공학, 환경공학, 산업공학, 기계공학 중에서 선택하여 객관식 60문

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gineering, Industrial Engineering, and Technical Engineering. Test takers are provided a selected reference material to refer during the exam, and to prohibit cheating, they can only bring approved calculators models. A score of 70 out of a 100 is the needed to pass, but this may differ according to what subject test takers choose for the second part of the exam.

The P.E. Exam is administered to test takers who pass the F.E. Exam, and have four years of practical experience as an engineer. The exam is an open-book exam consisting of 16 engineering disciplines mentioned earlier except for the structural discipline which lasts for eight hours and is split into a four-hour morning and afternoon session. Forty questions will be given on each of the sessions, and depending on the discipline it may be multiple choice. A score of 70 is required to pass the exam, but it may vary by the discipline. Passing rates for first-time takers of the exam are higher than the repeat takers. Because it is an open book exam, questions are designed to be more practical with complicated conditions, which makes it possible for engineering's with experience to think and provide solutions within given time. Even after an engineer passes the exam, they are required to additional training when renewing their license, which is a 30 hour training every two years.

As mentioned in the previous month's announcement, engineers are able to take the NCEES P.E. and F.E. exam in Korea with the same conditions applied in the states. After passing the exam, if your education background and experience meets the requirement of your chosen state, then it is possible to get an engineering license there, which practically means anywhere. Ten FED Korean national employees already have an engineering license, and through this, we hope it provides the opportunity for more engineers to raise the honor and credibility of FED.

항을 평가합니다. 시험 중에는 지정된 공식집 한 권만이 참고할 수 있도록 제공되며, 부정을 방지하기 위하여 계산기도 지정된 기종만 허용됩니다. 100점 만점에 70점 이상이면 합격이지만 오후 선택 과목에 따라서 약간의 차이가 날 수 있습니다.

기술사 시험은 기술사보 시험에 합격하고, 해당분야에서 4년 이상의 엔지니어로서의 실무경력을 쌓은 사람에 한하여 응시가 가능합니다. 앞서 설명한 16개 분야 중 구조를 제외한 나머지는 모두 오전과 오후 각 4시간 총 8시간의 시험이며, 응시자가 참고서적과 설계자료 등을 가지고 들어가서 치를 수 있는 오픈 북 시험입니다. 분야에 따라서 객관식으로 출제하는 경우도 있으며, 오전과 오후 각 40문항을 평가합니다. 역시 70점 이상이어야 합격이지만 분야별 편차가 다소 있을 수 있으며, 최초 응시생의 합격률이 재응시생보다 월등히 높은 것이 특징입니다. 오픈 북 시험이다 보니 각 문제가 실무와 밀접하게 연관되면서도 까다로운 조건들이 많이 주어져서 실무경험이 충분한 엔지니어만이 주어진 시간 내에 판단하고 해결할 수 있도록 구성되어 있습니다. 합격하여 면허를 받은 후에도 보수교육을 통하여 면허를 주기적으로 갱신하여야 하고, 일반적으로 2년마다 30시간을 충족시켜야 합니다.

앞서 설명하였듯이 현재는 미국 NCEES의 기술사와 기술사보 시험을 국내에서 미국과 같은 날짜와 조건 하에서 치를 수 있습니다. 시험 합격 후에는 합격자의 학력과 경력 등의 조건들이 각 주의 기술사 면허 법에 충족한다면, 어느 주에서라도 기술사 면허를 받는 것이 가능해진 셈입니다. 이미 FED에는 10여 명의 한국인 직원들이 미국 기술사 면허를 취득하였지만 이러한 기회를 통해서 앞으로도 더욱 많은 엔지니어들이 FED의 공신력과 명성을 더욱 드높일 수 있는 계기가 되기를 바랍니다.

Continued from FEST on page 12

Having worked with each other for so long, they have become experts at what they do.

"We are pretty good at construction design and quality assurance," said Maj. Eugene Hunton, 714th FEST-A Commander. "Assessments such as these are becoming more prevalent."

Throughout the site visits the team worked closely with Korean counterparts to include the ROK Army and Korean civilian facility managers and maintenance staff. The cultural experience is always a highlight during their deployments.

"Most of all we have enjoyed seeing Korea and its people and successfully functioning as a FEST-A with real implications of our final deliverables."

Members of the Forward Engineer Support Team-Main check their equipment at Joint Base Lewis-McChord prior to departing to Korea for Key Resolve 2012. (USACE Photo)

Maj. Howard, Sidney
Construction Division

Staff Sgt. Fields, Joshua
Construction Division

Staff Sgt. Gulley, Nathan
Construction Division

At last a KPRO Chief!

Beard, Patrick
Chief, Korea Program Relocation Office

After being vacant for nine months, the Far East District Chief of the Korea Program Relocation Office is being filled by one of FED's newest members, Patrick Beard.

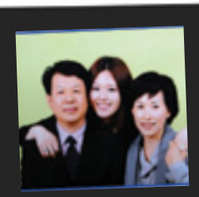
Yo Kyong-il
Information Management

My Plan

I help the Corps Build Strong in Korea by...

- Providing good customer support.
- Producing high quality photos, videos, and printing services.
- Studying and training to upgrade our work vision.

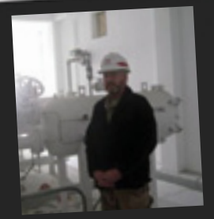
My Face



I am a key person in the Corps by...

- Studying the Bible everyday.
- Serving my church and family.
- Making good health by exercising everyday.

Michael P. Burke
Construction Division



My Plan

I help the Corps Build Strong in Korea by...

- Taking CP-18 Web-based training to maintain my technical competence and professional certification.
- Providing timely and accurate responses to the resident offices on submittal review comments and site inspection reports.
- Improving communication with contractors by developing some fundamental Korean language skills.
- Volunteering to sponsor a new FED employee.

My Face

I am a key person in the Corps by...

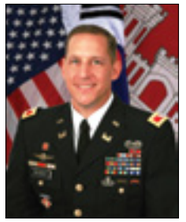
- Having fun visiting cultural sites with family and friends.
- Staying healthy by exercising regularly.
- Spending quality time with my wife shopping with her downtown and browsing at the local bookstores.
- Learning some landscaping and gardening techniques in the yard of our new home.

From the Commander

Thank you for doing GREAT things:

To EVERYONE that supported the Far East District during Key Resolve 2012,THANK YOU!

And, a SPECIAL Thanks to our Republic of Korea counterparts for all their assistance during Key Resolve!



Col. Donald E. Degidio, Jr.

사령관 코너

최고의 극동 공병단 팀과 모든 팀들에게,

준비 태세 및 비상시 임무에 집중하여 이번 달 우리 공병단은2012년 키리졸브 훈련 동안 주한미군과 한미동맹을 지원하기 위해 "상시 전투준비 태세" 훈련을 하였습니다. 우리의 장전, 위기 및 비상시 임무 수행 능력은 제가 극동공병단 그리고 대한민국과 함께 임무를 수행하는 것이 자랑스럽고 영광스러운 여러 이유 중 하나입니다.

이번 달의 시작을 알린 키리졸브 훈련 동안 우리 공병단은 대부분 처음 하는 일임에도 많은 성과를 이뤄냈습니다. 한국 파트너들이 제공한 전시주둔국지역이 훈련 가능한 곳이 될 수 있도록 장기간에 걸쳐 준비하였습니다. FED 역사상 처음 시행된 일이었습니다. 태평양 사령부도 함께 훈련에 참여하여 작전기지를 유지하는데 도움을 주었습니다. 우리는 한국이 선정한 디자인 엔지니어링 및 건설 에이전트라는 자부심을 갖은 헌신적인 전문인들로 구성된 팀인 것을 다시 한번 증명하였습니다.

훈련에 참여하고 싶었지만, 기회가 없었던 분들께 EEC/MEC모집을 진행한다는 희소식을 알려드립니다. 우리와 같은 계급의 많은 사람은 EEC 또는 MEC입니다. 오늘 EEC 또는 MEC로 등록하여 팀에 합류하시기 바랍니다.

키리졸브 훈련을 마치고 저는 워싱턴 D.C. 에서 개최되는 USACE Afghanistan Lessons Learned Conference에 참석하였습니다. 해외비상작전을 통해 얻은 교훈을 우리가 현재 한국에서 진행 중인 프로젝트에 적용한다면 좋은 결과를 가져다 줄 것이라 생각합니다.

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