AEDC workloads may reach historic highs in some facilities

By Raquel March

AEDC could see record-breaking increases in testing for some of its facilities over the next several years as a result of Air Force plans to recapitalize large portions of its aircraft fleet.

Col. Timothy West, who oversees the AEDC Test Operations Division, predicts challenging times ahead — but a good kind of challenge.

“Our FY 17 [Fiscal Year 2017] wind tunnel workload projections are more than double this year’s user occupancy hours, with additional growth projected in subsequent years,” he said. That means the workload in the tunnel could reach a historical high, exceeding levels seen during the Apollo era.

“The top priority for each of the CTFs [Combined Test Facilities] will be getting all the work done — includ- ing the needed maintenance — in a safe, effective and technically rigorous manner. This will be the graduation exercise of the CTF concept and I’m pleased to work with TRANS NAS [National Aerospace Solutions] and Quantitech. AEDC will have to think and operate differently, and the fresh perspective these companies bring will be key in helping us identify new ways to maximize our test efficiency and minimize the downtime between tests.”

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B-52 testing conducted at AEDC continues to pay off

By Kathy Gattis

AEDC set a record for the largest aircraft model used in conducting store separation tests of the aircraft with a 10-percent scale model of the B-52 Stratofortress. The testing was requested by the B-52 Program Office of the Air Force’s Global Strike Command to validate separation of multiple weapons that previously had not flight-demonstrated such a joint attack munitions drop from the internal bay for the first time.

“The B-52 Stratofortress continues to deliver strategic capabilities to protect and secure the peace into the 21st century,” said Rick Bishop, Flight Systems Test manager at AEDC.

The test flight of the B-52 was April 15, 1992, with the plane officially entering service in 1955.

In the last few years, upgrades have been made to the bomb bay rotary launchers allowing the deployment of a number of new “smart” munitions, and AEDC has played an important role by providing testing and analysis support for safe store separation in the 16-foot propulsion wind tunnel.

AEDC’s testing and analysis support for safe store separation has played an important role by providing testing and analysis support for safe store separation in the 16-foot propulsion wind tunnel.

To support the required wind tunnel testing, AEDC engineers, designers and craftsmen employed concurrent design and build techniques to quickly fabricate the 10-percent scale model of the B-52 Stratofortress that was used to conduct the test.

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AEDC contributions to Viking ensure Mars first landing

By Raquel March

The NASA Viking Lander 1 successfully reached the surface of Mars July 20, 1976, due to the testing AEDC conducted on the launch vehicle and the entry vehicle parachute system.

The Texas A&M Center launch vehicle for the lander was tested in the Propulsion Wind Tunnel in the mid-1960s and the entry vehicle system was tested in PWT and the von Kármán Gas Dynamics facility from 1969 through 1973.

Viking testing at AEDC focused on how the systems would endure the type of atmosphere and environment surrounding Mars.

Viking 1 collected samples and conducted biology experiments on Mars to search for signs of living organisms. The distance for Viking to travel to Mars was 500 million miles which was a trip that took 11 months.

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In This Issue...

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AEDC White Oak tours offer rare look at Hypervelocity Wind Tunnel 9

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Café 100 serving new menu items: Focused on customer flow

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AEDC STEM Aviation Program attendance sours
AEDC White Oak Site Director Dan Marr talks about Hypervelocity Wind Tunnel 9 and AEDC with stakeholders from the American Institute of Aeronautics and Astronautics Ground Test Technical Committee during a site visit. GTTC guests, in town for the Aviation 2018 Forum in Washington, D.C., were invited to tour AEDC White Oak in Silver Spring, Md. (U.S. Air Force photo/Robert W. Mitchell)

Zika Virus: Travel precautions and mosquito-bite prevention

By Col. Rodney Todaro

A tight work schedule did not keep the dedicated professionals on the leading edge of innovation and technology at AEDC. The innovative minds have the opportunity to share their work with the outside world. In two separate tours held in July of 2018, other, the staff at AEDC Hypervelocity Wind Tunnel 9 came together to give invited guests a historical presentation, a site walk, around a tunnel, light refreshments and more.

Members of the American Institute of Aeronautics and Astronautics and the Grocery Ground Test Technical Committee of AEDC White Oak were invited to tour AEDC Wind Tunnel 9 site director, who briefed site visitors at the start of the tour, recalled that as a young engineer working for the Navy, he was not allowed to discuss his work with his family. In fact, he told family and friends at the briefing that it was the closest thing to the fly he the flew the space shuttle and found it cudtaneous that he was often unavail-

AEDC White Oak Site Director Dan Marr talks about Hypervelocity Wind Tunnel 9 and AEDC with stakeholders from the American Institute of Aeronautics and Astronautics Ground Test Technical Committee during a site visit. GTTC guests, in town for the Aviation 2018 Forum in Washington, D.C., were invited to tour AEDC White Oak in Silver Spring, Md. (U.S. Air Force photo/Robert W. Mitchell)

Site Director Dan Marr, pictured left, speaks to a group in the AEDC Hypervelocity Wind Tunnel 9 control room. Family members of Tunnel 9 staff were recently invited to tour Tunnel 9 at White Oak in Silver Spring, Md., during the site’s annual Family Day. (U.S. Air Force photo/Robert W. Mitchell)

A regional Zika outbreak in Florida was recently traced to a significant increase in babies born with both defects, generating an international response and calls for expanded warnings to women about avoiding pregnancy.

The CDC’s Interim Guidelines for the Evaluation and Testing of Infants with Possible Congenital Zika Virus Infection – United States were published Jan. 26, 2016. Scientific American article, more than two dozen cases have been confirmed in the U.S. since 2016.

Zika infection is linked to a birth defect called microcephaly, when the baby’s head and brain are smaller than average, and other poor outcomes such as seizures, developmental delays and hearing problems. Micro-

coitus is rare, and has other causes including infections with the West Nile, St. Louis, or possibly from mosquito bites.

In addition to Brazil and certain other countries for women of childbearing age, the CDC’s Interim Guidelines for the Evaluation and Testing of Infants with Possible Congenital Zika Virus Infection – United States were published Jan. 26, 2016. Scientific American article, more than two dozen cases have been confirmed in the U.S. since 2016.

the site’s annual Family Day. (U.S. Air Force photo/Robert W. Mitchell)

Zika virus is a viral disease transmitted to people primarily through the bite of an infected Aedes mosquito. Mosquitoes become infected by drinking the blood of an infected person and chikungunya virus is transmitted to people through the bite of infected mosquitoes.

The virus, named after the Zika forest in Uganda where it was first discovered in 1947, is common in Af-"
Café 100 serving new menu items

Focusing on customer flow

Café 100, under the management of the AEDC Services Office, recently added a Hot Line that includes new entree style, menu items. Barbara Stewart, the director of the AEDC Services Office, expressed that the addition was made to meet the customers’ needs.

“Cafe 100 tours are designed to support our customers. If we decided to start the hot line, it would be to provide us with quick and easy meal for our customers to pick up and eat within our 30-minute lunch periods,” she said. “While the menu itself is limited to what we can make within the separation, we have our best to provide a selection that is variable and that our customers will enjoy.”

According to Stewart, the improvement in service, as stated by Stewart, offers customers a “meal and three“ option which is a meal along with a side item. The menu includes three each day of the week, said Stewart.

“Since the beginning of the fiscal year in July, the AEDC employees have been asked to voice their opinions on options. In order to see if the offerings we had been seeking toward, we started asking our customers to try the ICE (Interactive Customer Evaluation) sitio,” said Stewart. “It allows our customers a quick and easy way to give us online feedback on the menu and what they’d like to see. There are times we can’t provide that option because we don’t have the full kitchen. But we do so in what we have available.”

The plan to offer the new menu items developed in 2015. Stewart said it took six weeks to acquire extra staff to offer to a hot line and to continue a line which serves hot and cold sandwiches, wraps, pizza, salad, Starbucks coffee and more.

After the staff continued to increase the times of the line of service at the Cafe, the menu for the future of Cafe 100 has been increased prices since the beginning of the fiscal year. Those items include items such as lasagna, Tuesday; baked tilapia, Thursday; and chicken enchilada, Wednesday. Stewart said that those customer points are the most popular.

While the staff continued to increase their number of customers, they have been pleased with the menu and the response. Stewart said, “In what we see a price increase, the supply will be small, we will continue to be happy about the changes. We aren’t happy to have to make the increases, but we have done everything we can to reduce expenses on our end. The Cafe will also change some of the food options.

Stewart said, “For instance, if you want more than the standard amount of rice, we can offer.”

Cafe 100 prices are charged to the customers. Under similar guidelines, the menu items are the same. Cafe 100 said it took some time to get the full staff to the cafe to receive the new prices.

“It is our hope that we can offer more items to our customers,” said Stewart.

While the staff were happy to see the changes in the menu, they were also happy to see the changes that will continue to build upon our mission. While the staff was happy to see the changes, they were also happy to see the changes that will enable the new B-21 Long Range Stormer as well as the nuclear-capable Long Range Standoff missiles to replace the aging ADM-81 Air Launched Cruise Missiles. The CTF will have to balance those requirements with a $310 million Service Life Extension Program (SLEP) that will require a variety of facility outages. Although programs such as the Advanced Projects Oversight Program are not projected to break any records at this point, the entire program will need to operate at a lower gross margin in order.

The new Conventional Rotary Launcher Crews will continue to build upon our mission in the future. This will continue to expand our capabilities.

From Edwards Air Force Base, Calif., the CTF will be performed through the joint Integrated Attack Munitions program, which is a follow-on to the current ADM-81 Air Launched Cruise Missiles. The CTF will have to balance those requirements with a $310 million Service Life Extension Program (SLEP) that will require a variety of facility outages. Although programs such as the Advanced Projects Oversight Program are not projected to break any records at this point, the entire program will need to operate at a lower gross margin in order.

The new Conventional Rotary Launcher Crews will continue to build upon our mission in the future. This will continue to expand our capabilities. The new Conventional Rotary Launcher Crews will continue to build upon our mission in the future. This will continue to expand our capabilities.

At 10 percent discount on their meal. They may also receive a cash card to reduce expenses on their end. If someone eats in the Cafe each day, and pays for their meals, we can offer.

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With participation of more than 60 students, the AEDC Science, Technology, Engineering and Mathematics (STEM) Aviation Program had a record number of attendance during the last school year and during the recent graduation aviation flights with the Eagleville Soaring Club. The aviation program began with 15 students from Westwood Middle School and has been offered for four consecutive years. Graduates of the aviation program, ranging from sixth through ninth grade, were able to participate in glider flights arranged by the ESC.

“We had tremendous participation by the club members who volunteer to fly with the STEM Aviation students and teachers,” said Jere Matty, AEDC STEM coordinator. “They were taken by a tow plane up to 2,000 feet above the ground and released for a 15-20 minute flight in the beautiful sky over Eagleville, Tenn.”

Eight volunteers from AEDC and UTSI assisted with the classes. Students from East and West Middle School, Tullahoma; North Middle School, Franklin County; and Westwood and Coffee County Middle School, Manchester, used the Fly to Learn software, a 10-lesson curriculum using virtual airplanes. The software provides an understanding of science concepts, such as energy and forces, and allows students to modify aircraft designs to improve aircraft performance.

Matty said the Murfreesboro school system has expressed interest for the next school year.

The data is continually analyzed, and the thermal protection system and parachute were used on other Mars lander missions such as the Mars Pathfinder and the Mars Exploration Rovers, Spirit and Opportunity. NASA will host a Viking 40th Anniversary Symposium July 20 at the NASA Langley Research Center in Hampton, Va., with a panel of 20 speakers including former Viking program scientists and engineers. "The Martian" author Andy Weir will also be part of the panel and other key members contributing to past, present and future Mars missions. Watch a live stream of the symposium called “From NASA’s First Soft Landing to Humans on Mars” July 20 at http://livestream.com/video/viking40.
Small team ensures special tactics career fields grow with the best

By Senior Airman Ryan Conroy
21st Special Tactics Squadron Public Affairs

HURLBURT FIELD, FL, (AFPN) – On the shores of the Emerald Coast, candidates from all walks of Air Force life approach the sand, covered in salt and grit, their uniforms soaked with seawater as the warm Florida sun beats down on their red faces.

A team of cadre shouts commands to candidates, forcing them to conform, stress them out and push their bodies to the limit.

Before the group has a chance to fully realize the situation, the instructors push them through more assessments, continuously asking each candidate an important question: Do they have what it takes?

Special tactics career field training pipelines are some of the most physically and psychologically challenging in the Air Force. To ensure the correct individuals are on the battlefield, a group of special tactics Airmen weed out the cross-training candidates who don’t meet the high standards, putting them through a weeklong selection process to select only the best-qualified Airmen.

The group is known as the Recruitment, Assessment and Selection (RAS) team from the Special Tactics Training Squadron at Hurlburt Field, Fla.

What’s little known is that members of the RAS team are from special tactics career fields, so they know firsthand what it takes to make it through the training pipelines.

“The candidates are going to be challenged mentally and physically, and what we’re doing is looking for certain attributes,” said Master Sgt. Ismael Villegas, the squad-ron’s RAS section chief.

“Those attributes are what we believe will make them successful in special tactics training pipelines.”

The assessment process is broken down into a five-day process where RAS cadre put candidates through demanding tasks that test their physical ability, mental flexibility, leadership skills and psychological state of mind.

“It was the most physically-demanding week of training I had yet been to – the team of candidates (was) strong physically, but the cadre managed to push us all to our limits,” said 1st Lt. Daniel Biebel, who went through special tactics officer selection in 2013.

“While the physical demands of the week were obviously very tough, the cadre wanted to see those who could take the physical stress in stride and still keep their heads to accomplish complex tasks, and keep track of team Airmen,” Biebel said.

When Airmen cross train into special tactics it becomes important to test their leadership capabilities. Villegas said, citing his personal experience coming up through the combat control pipeline.

“When I was coming through as an Airman, our lieutenant and our staff sergeants in our team quit,” Villegas said. “As a young Airman, you don’t know what you’re getting yourself into and when you see those seasoned guys with experience who have been in it for a while, you think to yourself, ‘If they guys can’t hack it, I don’t have a chance.’ It really brings the team down, so we need to ensure we pick the right candidates who will help the younger Airman push through.”

The focus on finding the best-qualified recruit has led the RAS cadre to have a considerable amount of success, according to Villegas. Before the addition of the RAS program, the attrition rate for cross training current Airmen into special tactics pipelines was about 96 percent.

Since its implementation, those numbers have flip-flopped. “From a financial standpoint, we’re saving the Air Force a lot of time and money,” said Villegas, referring to the long and expensive process of recruiting, training and proper selection. “We do our best to pick the right candidate with the highest chance of success. They’re going to be leading the team and pushing the ones who want to go.”

Staff Sgt. Stephen Cay- bertson, a combat control student with STTS and former selection candidate, credited the difficulty of the program with preparing cross-training NCOs with the correct mindset.

“An NCO going through the combat con- trol pipeline, Cullethorn explained, had to worry about more than just getting through the pipeline – he also had young Airmen to lead.”

“I take this very seriously as I am sometimes their first impression of what working with an NCO is like,” he said. “They look to me for guid- ance, mentorship and deci- sion-making. If I am strugg- ling physically or ment- rally in a course, then my ability to lead them dra- matically declines.”

In addition to the selection process, an integral piece of the RAS program is to recruit Airmen who are currently working in other career fields. The RAS educates the General Aviation audience about special tactics and provides them information about the criteria and how to properly train and bet- ter prepare for selection. Members of the team visit two to three bases a month and meet with groups of 40-60 Airmen, who often feed the RAS with ques- tions about special tactics officer, pararescue, special operations weather and combat control career fields.

“This group is especially important because they know the people we are training these Air- men to properly train and bet- ter prepare for selection. Members of the team visit two to three bases a month and meet with groups of 40-60 Airmen, who often feed the RAS with questions about special tactics officer, pararescue, special operations weather and combat control career fields.”

“Obviously education is a big part of the recruiting process. It’s important to let people know what we do and what we’re doing,” Villegas said. “Most potential special tactics Airmen are in their 21. Special tactics career field training pipelines are some of the most physically and psychologically challenging in the Air Force. To ensure the correct individuals are on the battlefield, a group of special tactics Airmen weed out the cross-training candidates who don’t meet the high standards, putting them through a weeklong selection process to select only the best-qualified individuals. (U.S. Air Force photo/1st Lt. Katrina Cheesman) 21. Special tactics career field training pipelines are some of the most physically and psychologically challenging in the Air Force. To ensure the correct individuals are on the battlefield, a group of special tactics Airmen weed out the cross-training candidates who don’t meet the high standards, putting them through a weeklong selection process to select only the best-qualified individuals. (U.S. Air Force photo/1st Lt. Katrina Cheesman) 21. Special tactics career field training pipelines are some of the most physically and psychologically challenging in the Air Force. To ensure the correct individuals are on the battlefield, a group of special tactics Airmen weed out the cross-training candidates who don’t meet the high standards, putting them through a weeklong selection process to select only the best-qualified individuals. (U.S. Air Force photo/1st Lt. Katrina Cheesman)
Safety – Make it a habit for life

By Maj. Gen. Andrew Mustler
U.S. Air Force Safety Center

KIRTLAND AIR FORCE BASE, N.M. – The summer months equate to a seeming
ly unavoidable appetite to get outside and have some fun. Great weather, warm temperatures and the extra daylight hours instinctively
 drive people to a wide variety of outdoor activi-
ties, which simply put, are a lot of fun.

Summer time can be an enjoyable time to relax and recharge with family and friends. Those enjoy-
able summer time activities do not come without haz-
rards. Too often, what was thought to be risk-free fun turns into a not-so-enjoy-
able injury or accident. In fact, in recent years, excit-
ing and fun activities like swimming, rock climb-
ing, mountain biking and canoeing have remorselessly claimed Airmen’s lives.

These injuries or ac-
cidents are almost always preventable through the application of solid risk management. “Do I have the right gear?” “Did plan
appropriately?” and “Do I have the necessary skills?” are essential questions to ask before diving into any summer fun. Identify-
ing the hazards, assessing the consequences of those hazards and mitigating the risks are sound risk man-
gement principles which can protect everyone.

Through increased awareness in the Air Force Risk Management pro-
gram, the Air Force Safety Center looks to improve the use of sound risk man-
gagement principles in on-duty activities and de-
volve hazards in each and every Airmen which make safety a part of every on-
duty activity. These hazards can easily translate to off-duty activities as well.

Helping to keep Airmen and their families safe all year long.

As the crowds step out to have some fun this sum-
mer let’s take the time to re-
establish safety habits and make the choice to assess and reduce risk for a mem-
orable summer of fun.

The Check3 GPS campaign was created to bring awareness to summertime activities. Individuals should always make sure they have the right gear, plan and skills to stay safe, no matter the season. (U.S. Air Force illustration)

microcephaly or intracra-
tinal calcifications born to women who traveled to active-transmission regions.

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women can use all EP registered insect repellents, including DEET, can be used on children under two months. Use or wear permethrin-treated clothing and gear (such as pants, socks, and hats). New items may be treated or purchased. Eat and sleep in air-conditioned rooms with windows closed and in screened enclosures.

This information is prepared by the community of WorkCare, Inc., a partner of American Egg Board (AEB) in occupational health.
SOUTHWEST ASIA (AFNS) — The head of U.S. Air Forces Central Command took time June 28 to discuss the impact airpower has had in the fight against the Islamic State of Iraq and the Levant and throughout the region during a visit with the 380th Air Expeditionary Wing.

“Airpower allows us to apply pressure, to execute the mission, and also helps to deter and defend the region from other potential adversaries or contingencies,” said Lt. Gen. Charles Q. Brown Jr., 18th Air Force/18th Air Expeditionary Wing.

“In my conversations with Secretary of the Air Force Heather Wilson, she expressed her commitment to the uninterrupted development of airpower,” said Brown.

Brown explained that airpower comes in many different forms, and is critical to the mission set, whether it’s intelligence, surveillance and reconnaissance, airpower has had in the fight against the Islamic State of Iraq and the Levant and throughout the State of Iraq and the Levant presented Brown with the opportunity to highlight the 380th Air Expeditionary Wing’s contributions to the Afghanistan campaign.

“I’ve got three priorities: deliver airpower, defend the region and develop relationships,” Brown said. “Delivering airpower in many different forms, and the 380th touches every mission set, whether it’s our control and command, or (intelligence, surveillance and reconnaissance). We really can’t do many of the things we do without all those capabilities, and the 380th has all of them and they do great work.”

With a diverse inventory of fighters, refueling and reconnaissance aircraft, the 380th Air Expeditionary Wing has flown over 72,000 hours, delivered 253 million pounds of fuel to the air coalition, staged 142,000 targets, and employed over 4,000 weapons with a 98 percent hit rate since June 2015.

“AIRPOWER, page 5

By Capt. Sybil Taunton

Command Information

By Secretary of the Air Force Public Affairs

WASHINGTON (AFNS) — The Air Force recently selected the first 10 enlisted Airmen to attend RQ-4 Global Hawk pilot training, marking the first time since World War II enlisted Airmen will be trained to fly the high altitude ISR mission-qualified RQ-4 Global Hawk.

The first combined enlisted and officer training course will begin October 2016, with the first enlisted Airmen expected to graduate in 2017.

“We’re opening the RQ-4 career field to enlisted pilots for the first time,” said Secretary of the Air Force Deborah Lee James. “We’ll take this important step in a deliberate manner so that we can learn what works and what we’ll need to adjust as we integrate our highly capable enlisted force into flying this weapon system. The intelligence, surveillance and reconnaissance mission continuum will continue to grow in importance and our enlisted force will be central to our success.”

The initiative to incorporate enlisted pilots in the first step to developing future operating concepts within the multi-domain intelligence, surveillance and reconnaissance enterprise. The Global Hawk is the most reliable remotely piloted aircraft community and presents an opportunity now to integrate enlisted Airmen in RQ-4s to posture the force for dynamic, future operating environments.

Air Force Chief of Staff Gen. David L. Goldfein also weighed in on the importance of the ISR enterprise to the joint force.

“Looking at new ways to operate within our RPA enterprise is critical from what our amazing Airmen can do in support of the mission,” said Gen. Hawk Carlisle, the commander of Air Combat Command. “There is no doubt that the challenges of meeting incredible demands for ISR with a small force requires solutions that make the best use of our talented enlisted corps.”

Enlisted pilots will undergo the same rigorous Air Force Training as current RPA pilots with respect to flight training, rules, and responsibilities. The new enlisted pilots will begin their Undergraduate RPA Training with the RPA Initial Flight Training where they will learn to fly a DA-20 Falcon. From there they will attend RPA Instrument Qualification and Fundamentals Courses before transitioning with Global Hawk Base: Qualification Training.

By 2016, pilots qualifying for this training will be rated, instrument qualified pilots who are: Federal Aviation Administration certified to fly the RQ-4 in national and international airspace and mission qualified to execute the high altitude ISR missions.

“There has never been a doubt that our enlisted corps could step up and accomplish this mission for our Air Force,” said Chief Master Sgt. of the Air Force James Cody. “We’ll certainly see as this the first enlisted Airman to go through the training. They will set the tone for the future of the RPA enterprise.”

Airman interested in applying for RPA pilot duty should work with their supervisor and through the Air Force Personnel Center. AFPC will add enlisted RPA pilot categories to their annual flying training selection boards and the next boards will convene Jan. 23-26, 2017, to fill fiscal year 2017/2018 training slots. Applicants must be a Career Enlisted Airman (1AXXX or 1UXXX), a staff sergeant through senior master sergeant, or be able to attain six years of reliability from course graduation date to complete the required upgrade. RPA training service commitment and not previously declined enlisted RPA pilot training. Eligible applicants should apply by 2016.

The training plan could see 12 enlisted Pilot Initial Class graduates in fiscal 2017. Six in fiscal 2018, 10 in fiscal 2019, and 28 in fiscal 2020. In 2021, approximately 70 percent of those flying day-to-day missions in the RQ-4 are expected to be fully trained enlisted pilots.

Coalition leader talks airpower effects

By Lt. Col. Charles Q. Brown Jr., U.S. Air Forces Central Command commander, meets with members of the 380th Air Expeditionary Wing during his trip to an undisclosed location in Southwest Asia on June 28. Brown visited the location to interact with members of the wing and to officiate over the 380th AEW change of command ceremony. (U.S. Air Force photo/Tech. Sgt. Chad Warren)
Dynamic explosions, missile launches and air-to-air dogfights are just a few animations the National Air and Space Intelligence Center threat visualization team at Wright-Patterson Air Force Base, Ohio, create to help communicate potential threats in the world. For the past decade, these types of animations have allowed policymakers at all levels of government to watch a video clip, rather than read a stack of intelligence reports filled with military jargon and technical data.

“I always think something can be improved in our work; it’s never good enough,” said team member Greg Suntra. “It’s the creativity of each individual in this office that builds off that foundation to communicate a critical message, which makes our work so special.”

Most of the products from the ACCURSAC team, and by being precise we don’t have to employ as many weapons,” Brown said. “That’s hugely important to moving the campaign forward.”

On average along-side coalition partners, the 380th AEW achieves U.S. Central Command miss- ion priorities across the Middle East, North Africa and Central Asia.

“380th provides AFCENT and CENTCOM with a potent complement of Airmen, joint and coal- ition partners, that are instrumen- tal to the delivery of precise airpower effects that are not only affecting (ISIL’s) capabilities, but are also having an impact in a number of operations across the region,” Brown said.

Since opening their doors in July 2006, the five-person shop – a mix of civilians and contrac- tors – has created more than 250 visualizations for customers throughout the Air Force and intelligence communities.

“When an analyst requests a product, we must build off of infor- mation in the intelligence analytic report,” said team member Greg Suntra. “It’s the creativity of each individual in this office that builds off that foundation to communicate a critical message, which makes our work so special.”

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“When an analyst requests a product, we must build off of infor- mation in the intelligence analytic report,” said team member Greg Suntra. “It’s the creativity of each individual in this office that builds off that foundation to communicate a critical message, which makes our work so special.”

Most of the products from the ACCURSAC team, and by being precise we don’t have to employ as many weapons,” Brown said. “That’s hugely important to moving the campaign forward.”

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By Staff Sgt. Regina Edwards

LITTLE ROCK AIR FORCE BASE, Ark. (AFNS) – “Help!”

“That scream was even more chilling than the water I and my friend were in,” said Senior Airman Colton Lien, a 19th Civil Engineer Squadron explosive ordnance disposal technician. It was June 25, a normal Saturday of kayaking at the Ouachita River Whitewater Park in Malvern, Ark. He grabbed a woman from a whirlpool in the river, and with the help of others, paddled her to safety and performed CPR until she regained consciousness. (U.S. Air Force photo/Staff Sgt. Regina Edwards)

“Help!”

Lien, who is also a certified canoe instructor, knew that something needed to be done immediately. The woman fell into a suck hole, which is like a whirlpool in the river. Once a swimmer becomes stuck in a suck hole, it is extremely dangerous to be in and difficult to swim out. He and his friends paddled their kayaks toward the woman as they alerted others to pass by to get help. Once they reached her, they noticed that she was spinning. She would go underwater for five to 20 seconds at a time.

“After moments of deliberation, I knew we had to act fast,” Lien said. “I grabbed her with a rope, caught her with her paddles and reach for her from the kayaks, but nothing worked.”

Eventually, the woman became unconscious. “I was nervous, but I didn’t want to panic.”

Lien said, “That scream was even more chilling than the water I and my friend were in.”

“Help!”

Senior Airman Colton Lien, a 19th Civil Engineer Squadron explosive ordnance disposal technician, and his friends saved a woman from drowning June 25 at the Ouachita River Whitewater Park in Malvern, Ark. He grabbed a woman from a whirlpool in the river, and with the help of others, paddled her to safety and performed CPR until she regained consciousness. (U.S. Air Force photo/Staff Sgt. Regina Edwards)

By Staff Sgt.

Regina Edwards

**Silver Anniversary**

LITTLE ROCK AIR FORCE BASE, Ark. (AFNS) – “Help!”

Lien surfed closer to the woman and finally, he bumped her body out of the whirlpool with his kayak. He grabbed her and pulled her body beside a large canoe that one of the paddlers was in. Though there was a small sigh of relief, she was still unconscious.

After moments of deliberation, Lien paddled the woman to shore as one person held her body and two others gave her breaths.

“When we got to the bank, I checked for a pulse; there was none. Other people came to help with giving the woman chest compressions. Within about 15 seconds, she regained consciousness and her pulse.”

Lien credited his training as an EOD technician to his fast reaction to the emergency situation. EOD members focus on the protection of personnel and property, with emphasis on personnel first. He leaned on his water safety knowledge and training to quickly assess the situation and lead the others to make the right decisions that ultimately saved a woman’s life.

“Even if you are a good swimmer, wear a life jacket and don’t paddle alone. Those tips could be the difference between life and death,” he said.