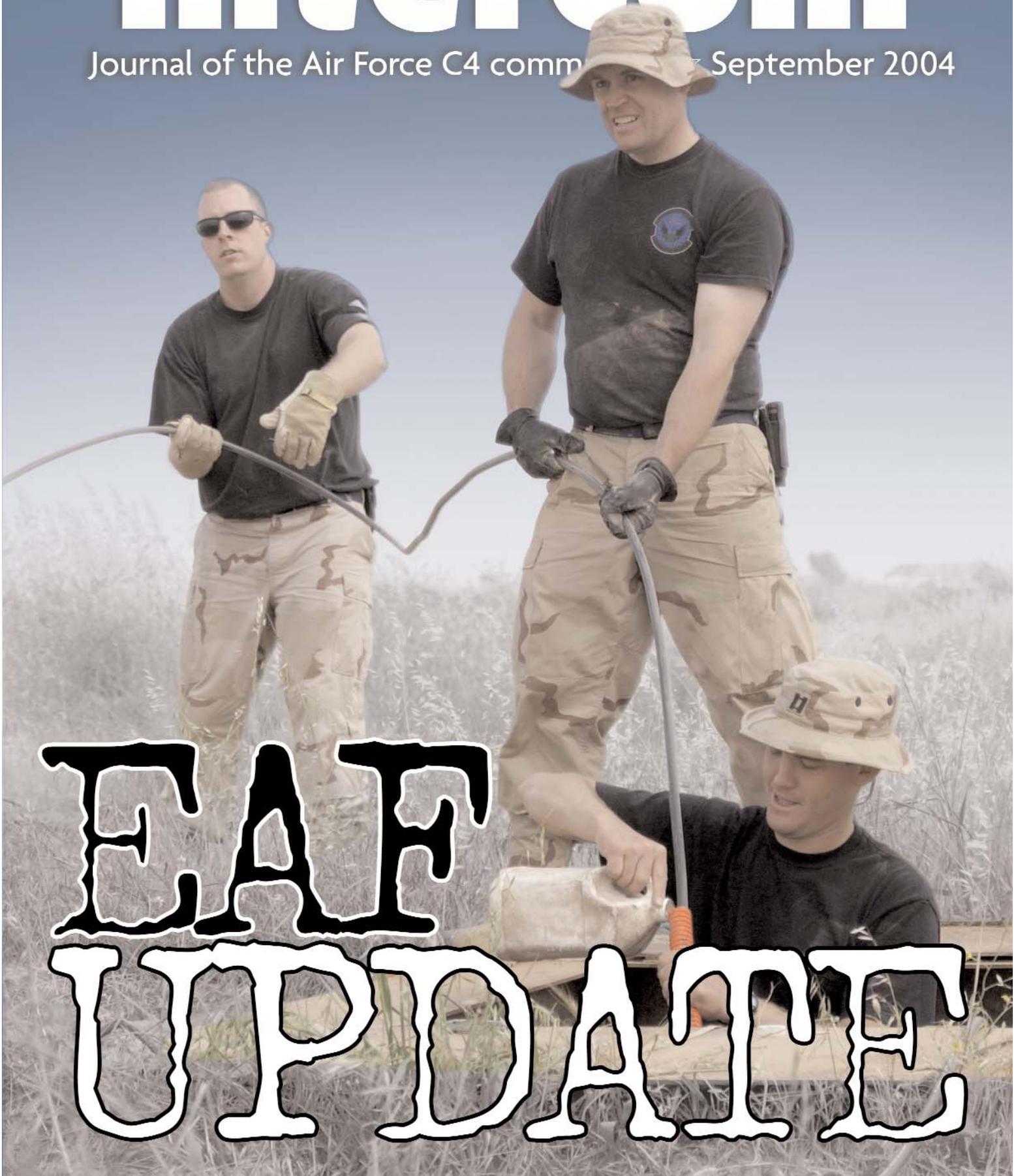


# intercom

Journal of the Air Force C4 community | September 2004



**EAF  
UPDATE**

# intercom



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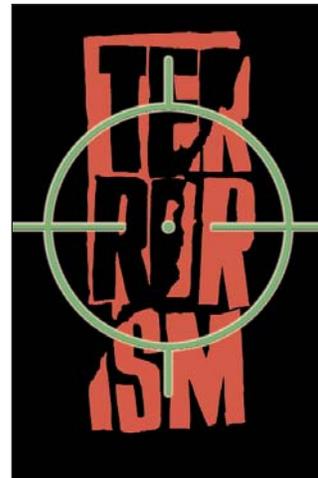
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THE JOURNAL OF THE AIR FORCE C4 COMMUNITY

**Gen. John P. Jumper**  
Air Force Chief of Staff

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Deputy Chief of Staff for Air and Space Operations

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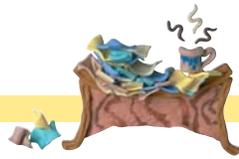
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Comments to the staff

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## Expeditionary hits home, again

By Tech. Sgt. Jim Verchio  
Intercom Editor

As many of you are well aware, our Managing Editor Master Sgt. Karen Pettitt is coming close to the end of her tour in Baghdad.

As I anxiously await her safe return, it now turns out I'll have the chance to get my hands into the mix with the expeditionary Airmen fighting this war on the European front.

Although this is not my first deployment, being away from loved ones, especially for 120 days, never gets any easier — especially when the cycle falls during the holiday season.

Under the circumstances, it is so fitting that this is the last *intercom* I will be working on until my return in February. This is the second time I've had the chance to highlight what you, the comm warriors, are doing to combat this War on Terror. This month's *intercom* once again pays tribute to the men and women of the comm community. Maybe you're serving on the front lines in Afghanistan or maybe you're supporting the warfighter from your home station in the Midwest. Either way, the comm community

can be nothing less than pleased with what you bring to the fight every day.

In the following pages you will see why readiness and the 120-day AEF cycle are key factors in the Air Force's success. You will read how Combat Camera's imagery is helping commanders make crucial decisions. You will read about how the Air Force and Army are working together to get the job done in Iraq, and these pages also illustrate how the Air Force and comm are making a difference on the Horn of Africa.

At a time when the Air Force is spread so thin and there's no end in sight for what we may get called to do, the men and women of comm continue to set the standard for mission excellence.

Even though our AFSCs are different, the comm community has always treated me as part of the team. So, when my bags are packed, and I head to the airport for what my wife calls a four-month vacation, I'll keep in mind the stories I've been privileged to read during the last year. I'll keep in mind that even though there is adversity and hard work on the horizon, "we" in comm are there to get the job done!



## Letter to the editor

### Intercom Rocks

I have written you before on your bold new appearance of the *Intercom* Magazine. Wow!, I am hit again with another overwhelming issue. We in the Comm Community are fortunate that we receive this novel, dazzling, intuitive publication for free. This is world class journalism. Your use of imagery is to be much-admired. To be so bold as to use a double truck in one issue is great, but to use two in the same issue causes one

a catharsis. My hat is off to your team again.

I anticipate the delivery of your magazine each month. You might want to put it on the magazine rack in the Base Exchange and charge for this wonderful informative and entertaining publication. Thank you!

—Herbert D. McClain

Chief, 12th CS, Support Flight  
Randolph Multimedia Manager

JAG  
in a Box

Fritz Mihelcic  
AFCA Deputy  
Chief Counsel



## Stop the madness

**Do we really have to put the notice and consent banners on the front cover of our telephone directories? They just don't look nice there.**

The requirement to place the notice and consent banners comes from AFI 33-219, dating to May 23, 2002. In Attachment 3, it does say that these banners have to be prominently displayed on the front cover of the directory. But, the good news is that there has been a new interpretation of that requirement. This interpretation comes directly from the office of the General Counsel for Secretary of the Air Force. After much discussion, it was decided that the notice and consent banners may be placed on the front page of the official portion of the telephone directory. This section is usually past the initial information pages on the installation, the local community, and the advertisements. Bottom line: The requirement of Attachment 3 is still met, yet the actual front covers of installation telephone books remain esthetically pleasing. Once again, good faith negotiation and a willingness to be reasonable have provided a win-win situation for all parties concerned.

Send in your question to:  
AFCA-JA@scott.af.mil  
or call DSN: 779-6060



# Are you Ready?

From  
the **Top**



It's all about putting the  
right force at the right place.

# AIR COMBAT COMMAND'S COMM AND INFO DIRECTOR ADDRESSES READINESS & AEF CYCLES

By Brig. Gen. John W. Maluda

ACC Communications & Information Systems Director

LANGLEY AIR FORCE BASE, Va. — Greetings from the home of Air Combat Command. I've been on board for almost four months, and I'm loving every minute of it. I wanted to pass along some nuggets of wisdom, but after careful review, felt my boss, Gen. Hal Hornburg's, commander of Air Combat Command, advice and expectations to his wing commanders is pretty straightforward and spot on with where our Air Force is heading.

He asks only three things from his wing commanders: First he expects them to develop and nurture Airmen; Secondly he wants them to be prepared to deploy when called to duty; and finally to be ready to fight when ordered." That is sound advice to all of us and tracks well with where the Air Force is heading.

The Air Force Chief of Staff, Gen. John Jumper, recently published two sight pictures; the first dealing with the Expeditionary Air Force mindset, and the second, expanding the Aerospace Expeditionary Force window from three to four months. I don't think this is a MAJCOM-specific issue, so I wanted to say a couple of things about what I see comm and info professionals doing to meet the CSAF's objectives.

A recurring challenge is how do we posture our people and our equipment to best support the warfighter?

The first CSAF sight picture is pretty clear, and emphasizes what we all have come to expect—if you're in an AEF, expect to go. The AEF is no longer a buzzword, but a way of life — it's become a part of our doctrine.

This makes it incumbent upon all of us as communicators — as Airmen — to do anything and everything to ensure we're ready to respond to that call to duty, as well as those under our charge. That means taking any and every advantage to train and prepare for deployment, putting everyone possible into the AEF buckets. I can confidently say that comm — across the board — has met the CSAF challenge, and we're answering that call.

The second sight picture, and perhaps the one freshest in everyone's mind, is the change of the AEF rotation from three to four months, and the corresponding change in AEF cycle duration from 16 to 20 months. The Chief stated that the change was needed in order to bring us in-line with other service rotation cycles.

As it is, the Army uses a one-year rotation cycle and the Navy uses a six-month cycle, so increasing the Air Force cycle to four months reflects the current mission need.

I want to point out the benefits to this AEF rotation change. We get a four-to-one payoff. Four additional months at home for one extra month deployed. This is a substantial adjustment operationally. It improves the rotation cycle for everyone — more time to reconstitute personnel and equipment; more time in the saddle at a deployed location, which will inevitably improve performance through continuity; and more time to train and prepare for deployment.

I look forward to the new expanded AEF rotation...for all the benefits it'll bring...and for the continued commitment it'll display to our sister services. Remember, we exist to support the Air Force mission and national objectives — at home and abroad.

Stay tuned. The changes the Air Force is making are creating a more flexible and responsive force. In the end it's all about putting the right force at the right place.

Be good, be safe — think AEF.

The AEF is no longer a buzzword, but a way of life — it's become part of our doctrine.



# 1 HOUR PHOTO

## Deployed Airmen keep imagery on the move

Story and Photos by  
Master Sgt. Keith Baxter

Joint Combat Camera Management  
Team

**BAGHDAD, Iraq** —A picture may be worth a thousand words, but if no one sees the image, those words are lost. A team of highly specialized Airmen, including three reservists from the 4th Combat Camera Squadron, March ARB, Calif., ensure those “words” get to the people who need to hear them.

All photographs and video taken within the Iraqi Area of Operations are processed through the Joint Combat Camera Management Team here.

Located  
inside the



Green Zone of central Baghdad, the team's main objective is to collect and move all military imagery electronically back to the United States. The team members are innovators, in a sense, because nothing like this has been tried before.

The system is comprised of a central hub, located in Baghdad, and up to 12 individual satellite transmission units scattered strategically throughout Iraq. The field units send their imagery to the hub, which is then forwarded to the Pentagon. The imagery is made available for use by the Department of Defense and other government agencies. Once the imagery is reviewed and cleared for public release, it is also made available to news agencies and press services.

"In the past it has always been the job of the individual combat camera person to send his or her imagery off to the Pentagon," said Tech. Sgt. Glenn Clark, a video technician with the JCCMT from the 4th CTCS. "Now the field units can send all their video and photos to the hub using a high speed satellite connection, where we can collect it and send it off to the Pentagon all at once."

The strategic location of the JCCMT

and its large imagery archive make it a high demand resource for local commanders engaged in the Coalition Provisional Authority's Information Operations campaign. The collected imagery is also often used in coalition news conferences to show the military's perspective to the local and international press.

"In times past, those who needed access to combat camera imagery had to request it through the Pentagon. Now there is a process in place to get it into the hands of the local customers, within minutes instead of days," said Capt. David Ross, officer-in-charge of the JCCMT. "As soon as we get hot imagery, our team immediately gets it where it needs to go."

While the word joint in their name means they receive and process imagery from all branches of the U.S. military, the current staff in Baghdad is made up solely of Air Force members.

"This has been a good experience for me to work with other branches of the service," said Sergeant Clark. "Having to call a Marine or Army team in the field to coordinate a transmission or work out a technical issue gave me real insight into how the other guys

do business."

The team includes four active duty members and three reservists. In addition, the seven Airmen are deployed from three different bases. The team members attribute this diversity to the success of their mission.

"It's always the people who make or break a mission," said Staff Sgt. Tracy Duplantis, the JCCMT maintenance technician from the 1st Combat Camera Squadron at Charleston AFB, S.C., "Three members of the team are reservists. They are just as skilled and professional as their active duty counterparts, and we have all come together to get the job done."

The mission of the JCCMT is as difficult as it is unique. It has evolved from a concept of being able to move imagery on demand, to something people rely on everyday to tell the military's story from inside Iraq.

For team members, the hours are long and the demands are high. Despite the dangers of working in a combat environment, the Airmen stay focused on the importance of their mission and understand they play a role as guardians of America's military history.

**"Three members of the team are reservists. They are just as skilled and professional as their active duty counterparts, and we have all come together to get the job done."**

**— Staff Sgt. Tracy Duplantis**  
JCCMT maintenance technician

Tech. Sgts Glenn Clark and Roy Santana from the 4th Combat Camera Squadron, March ARB, Calif., check out the satellite dish for the Joint Combat Camera Imagery Transmission System. These combat camera specialists were sent to Baghdad to manage all military imagery documentation in the Iraq AOR.

# AIR FORCE COMM

## Airmen vital to Army effort in Iraq

Story and photos by  
Master Sgt. Karen Petitt

Multinational Corps-Iraq Public Affairs

**BAGHDAD, Iraq** —Even though Capt. Alycia Vrosh is afraid of heights, she climbs up a ladder to check on communications equipment located on top of the Al Faw Palace here.

While ensuring the comm lines are good to go, two Blackhawk helicopters circle overhead and she waves to them.

“I love them (the crew) and always wave to them when I’m up here on the roof,” said the communications operations action officer for Multinational

On top of the Al Faw Palace on Camp Victory that looks over part of Baghdad, Capt. Alycia Vrosh stands ready to assist the Army in directing communications efforts through Iraq. She's been deployed here for four months in support of Operation Iraqi Freedom.



Corps-Iraq. This time they treat her to a flyby before landing north of the palace.

Happy with the greeting, she heads back down to the first floor of the three-story palace where she has spent the past four months tackling large and hectic projects for the Army.

“Because the Air Force is in a support role, we’ve been able to work the details of several projects that are vital to Soldiers, that they would not have necessarily been able to accomplish without our help,” she said.

She’s taken the lead on projects such as organizing and ensuring 180 Internet cafes were working for the more than 140,000 troops stationed throughout Iraq.

“When I got here, it was a mess, because not all the cafes were set up, there were parts missing, broken assets and no way to fix it. Our team came up with a solution where we tracked each Internet café, brought in laptops and satellite phone systems and got the program manageable. I think of this as one of the big success stories from the past four months,” she said.

Another successful mission was for

her to assist in ensuring that the commanding general had reliable communications to his subordinate commanders. Two of the major problem areas involved poor infrastructure in the country and frequency dead spots. The team not only provided a primary solution, but also second and third back up systems so that now communications, or the lack of communications, is never an issue.

Her boss, Army Maj. Kenneth Patterson, chief of operations and plans for MNC-I communications, said the success of this project was a direct result of working in the joint environment, and that Air Force and Marine support kept this critical aspect of the mission working.

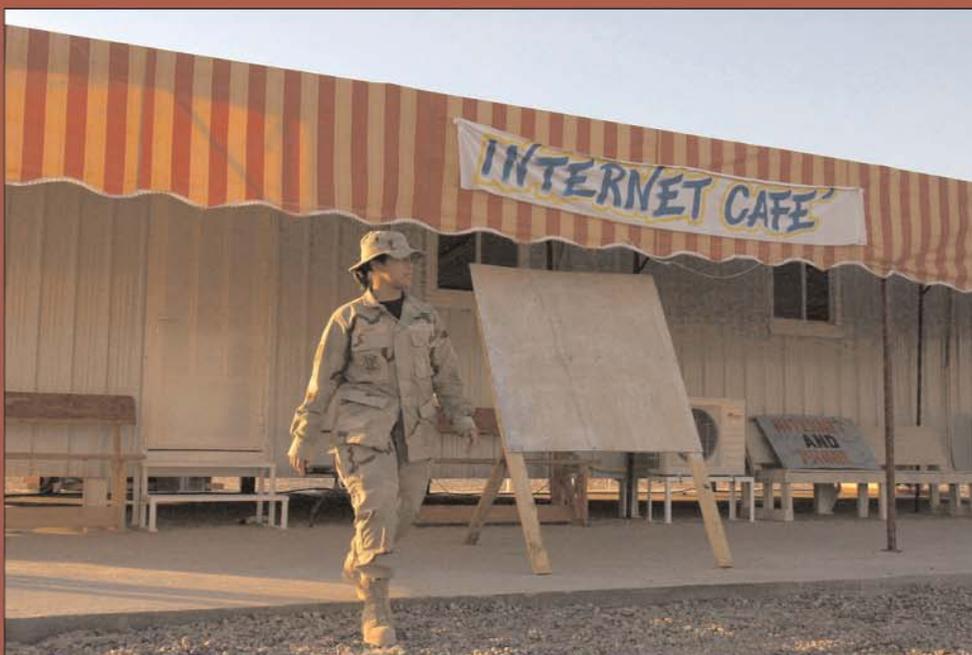
“It also makes it fun to come to work,” he said. “Whether we’re working on moving the Koreans into Irbil or working information assurance issues, there’s value added. The Air Force is able to work certain issues better because they speak the language to their counterparts or can work the air-field issues perhaps a little more efficiently than if we were doing it.”

He said the three or four month

turnover for Air Force members can be a challenge in continuity, but that bringing in people with fresh ideas and new enthusiasm is worth it.

Captain Vrosh’s enthusiasm is still high, she said, even as she prepares to head back to the 100th Communications Squadron based at RAF Mildenhall, England.

“I’ve been here during a very historic time and the vast improvements even in four months have been dramatic,” she said. “To think that I was here during the transition of power, to have Saddam be read the charges against him, and to see the beginnings of a new Iraq have been part of this incredible experience. And, I’m just glad to have been part of bringing communications to our young troops on the front lines who work long hours, in the heat, and just doing such hard work. To have them be able to send a note home or pay their bills or have some entertainment has been rewarding. And to ensure that our commanders can communicate to leaders in the field is a critical part of the mission that I’ve been proud to be part of.”



Air Force communications teams help support more than 180 internet cafes throughout Iraq. Airman 1st Class Vanessa Laboy finishes using one located in the 1st Cavalry area on Camp Victory.



# NEW FRONTIER

## Kill chain shortened by network weapons systems

By 2nd Lt. David Williams  
Air Force Space Command

PETERSON AIR FORCE BASE, Colo. — “We must preserve and enhance our ability to get and use quality, timely, actionable information to shorten the kill chain. . .” said then-Secretary of the Air Force James Roche. The kill chain (find, fix, track, target, engage, assess) is the warfighters’ methodology, and it is where networks, as weapons, can be most effective.

The Air Force Space Command Network Operations and Security Center is helping to lead the way in realizing these efforts by supporting joint networks. These include NORAD, NORTHCOM, the Air Force Satellite Control Network MILSTAR,

Tech. Sgt. Jun Lorica, a systems control technician from the 374th Communications Squadron, Yokota Air Base, Japan, uses a wire wrapping tool to cross-connect circuits on a distribution frame. The frame is the central voice and data communication hub that links Yokota to the rest of mainland Japan.

Master Sgt. Val Gempis / JCCC



Defense Satellite Communications System, Intercontinental Ballistic Missile communications and other unclassified and classified networks. To act on the new realities, AFSPC has already achieved operational visibility into the Non-Secure and Secure Internet Protocol Router Network with Dashboard—a web-centric utility used up and down the chain to gain near real-time insight into network operations, status and vulnerabilities. As a “best in class” product, the Dashboard is now being adopted at the Air Force level to leverage its operational weapon system capabilities.

Any SIPRNET user in the world can view the Dashboard and those with permissions can interactively provide input and updates to the system. Crew Commanders use Dashboard constant-

ly to solicit input, monitor status and vulnerabilities and receive feedback from AFSPC Network Control Centers.

Continuing the focus on networks as weapons, AFSPC is now piloting an effort on the Space Based InfraRed System using a product known as “Automated-Mission Impact of Network Disruptions.”

Capt. John Gerst emphasizes the need to monitor networks for mission impacts, not just technical issues.

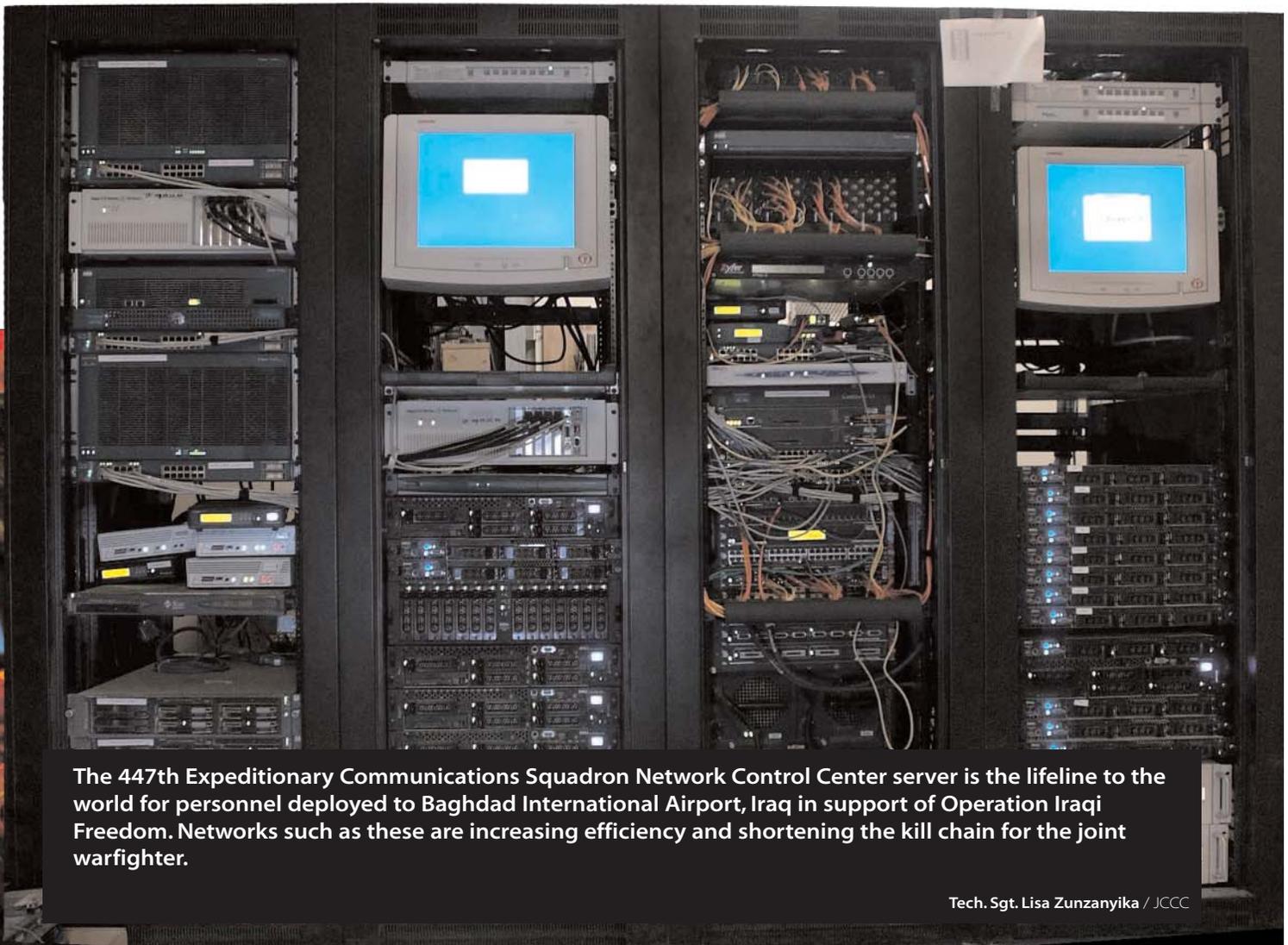
“We can talk all day about a router being down but how does that impact our ability to fly, fight, and win?” he asks.

What is being brought online tells operators exactly what the mission impact will be based on any type of network disruption. Simulations can also be run to ensure that planned net-

work outages will not have unexpected impacts to the weapon system.

The effort led by Captain Gerst will additionally provide input to the Single Integrated Space Picture—another communications area in which AFSPC is leading the way. This picture will cut across stovepipes, providing a single operational picture of all Air Force mission systems. With multiple inputs and layers of abstraction, the picture will be used by senior leadership to assess and control the status of mission systems inside and outside AFSPC, enhancing the integration and cross-flow of information.

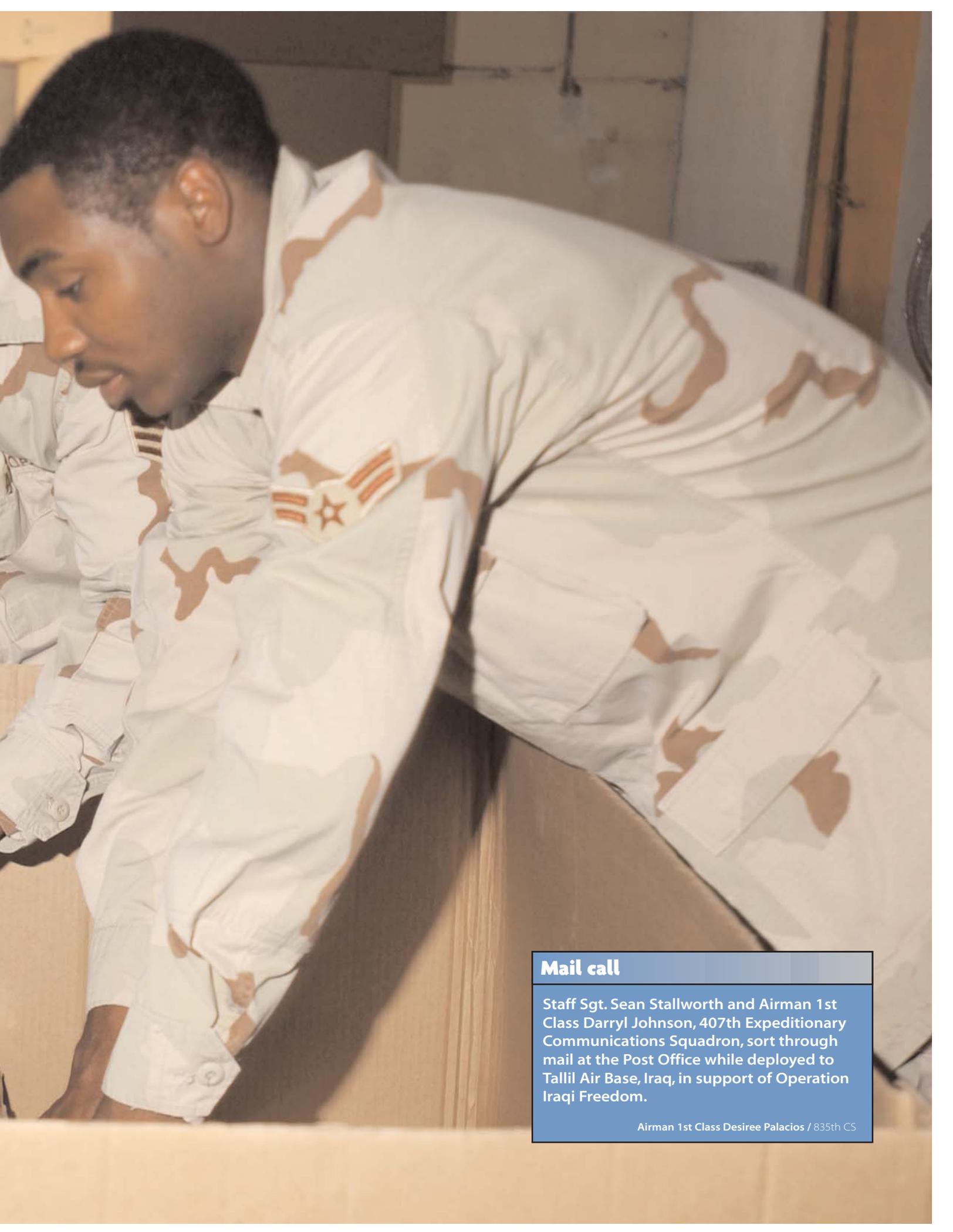
The communications community is working to provide value to the warfighter by shortening the kill chain through networks employed as weapon systems.



The 447th Expeditionary Communications Squadron Network Control Center server is the lifeline to the world for personnel deployed to Baghdad International Airport, Iraq in support of Operation Iraqi Freedom. Networks such as these are increasing efficiency and shortening the kill chain for the joint warfighter.

Tech. Sgt. Lisa Zunzanyika / JCCC





### **Mail call**

Staff Sgt. Sean Stallworth and Airman 1st Class Darryl Johnson, 407th Expeditionary Communications Squadron, sort through mail at the Post Office while deployed to Tallil Air Base, Iraq, in support of Operation Iraqi Freedom.

Airman 1st Class Desiree Palacios / 835th CS



# GLOBAL SECURITY

## Preempting terrorism on the Horn of Africa

By **Capt. Tim Schwamb**  
Air Mobility Command

**SCOTT AFB, Ill.** — Most of the focus of recent operations supporting the Global War on Terror has been on Iraq and Afghanistan, but the Combined Joint Task Force — Horn of Africa is also contributing to this mission.

**Where's the Horn of Africa?** It consists of the six East African nations of Djibouti, Ethiopia, Kenya, Eritrea, Sudan, Yemen and Somalia.

**Why the Horn of Africa?** Many terrorist organizations set up camp in Africa due to the lack of strong integrated governments throughout the region. CJTF-HOA stepped up as a catalyst to preempt and eliminate terrorist safe havens in the region by creating a coalition among the nations. Camp Lemonier, Djibouti hosts the CJTF-HOA, whose primary goals are twofold: Develop the coalition into a group of nations that work together to disrupt and defeat international terror-

ist organizations using their own resources, and let Africans know that the United States is there to promote global security. CJTF-HOA does some direct counterterrorist operations, but not as its primary focus.

CJTF-HOA is working to develop and strengthen the coalition by providing military-to-military training on force protection, border and port security and general anti-terrorism skills to several of the militaries in the region. This enables the HOA nations to begin their own counterterrorism operations. The U.S. also transformed its Joint Operations Center into a Combined Joint Operations Center, where the coalition liaison officers take an active role in the planning and execution of CJTF-HOA operations. Including the LNOs in the planning and execution further enhanced the participation of the HOA governments.

The CJTF-HOA is working to accomplish the first goal through a series of nation-building activities,

such as providing medical and veterinary care in rural villages, building schools, roads, hospitals and drilling wells in areas where water is scarce. CJTF-HOA also produces a large amount of informative materials that spread the word about the positive things done throughout the area.

CJTF-HOA/J6 is actively working to extend a network to the U.S. embassies and HOA Ministries of Defense. This major expansion is in the planning phase, but will ultimately enable the coalition nations and embassy representatives to get closer to the action and collaborate on counterterrorism operations.

Gen. John Abizaid, U.S. Central Command commander, said on multiple occasions that CJTF-HOA is the model joint task force, because if the U.S. had the opportunity to do what its doing in the HOA in Iraq and Afghanistan 10 years ago, the current situations may have been prevented. There is an opportunity in the HOA, and the coalition is aggressively working to eliminate terrorist safe havens in those countries and increase global security.

*Editor's note: For more information about CJTF-HOA, contact 1st Lt. Teresa Sullivan, CJTF-HOA public affairs officer, at [SullivanTL@hoa.centcom.mil](mailto:SullivanTL@hoa.centcom.mil).*

EAR UPDATE





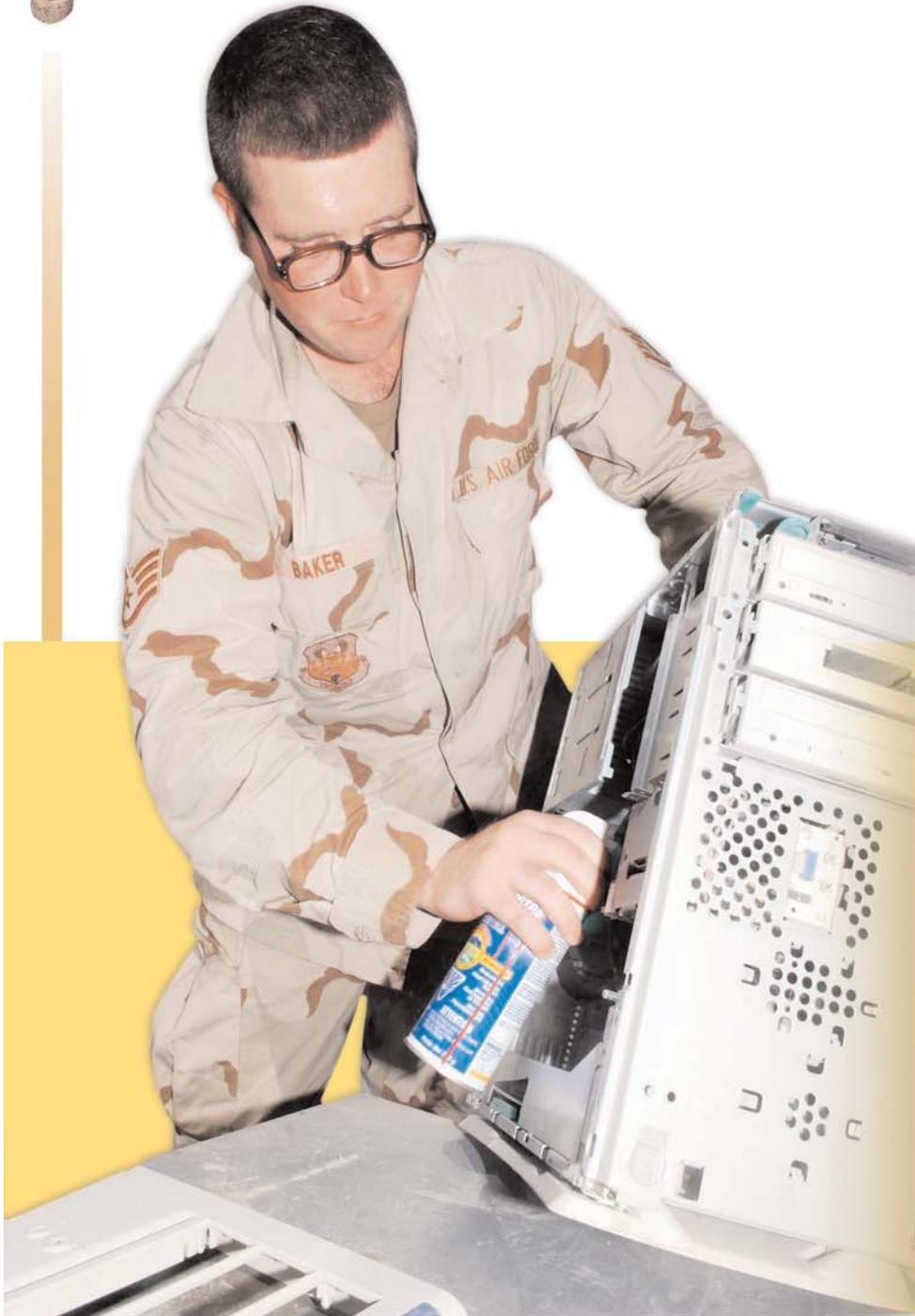
### **Picture perfect**

Visual information professionals consisting of photographers, videographers and graphics personnel are often the eyes of the decision makers.

Tech. Sgt. Justin Pyle / 835th CS



# KEEPING COMM OPEN



**By Master Sgt. Andrew Gates**

455th Expeditionary Operations Group  
Public Affairs

## **BAGRAM AIR BASE, Afghanistan**

— Deployed units rely on a steady flow of communication to accomplish the mission — computers and phones provide vital links between organizations around the Air Force.

Equally important is making sure that those computers and phones work well — especially in an environment that is not conducive to electronics.

Keeping the communication network running for 600 Airmen deployed to Bagram Air Base falls to the communications flight team. “We support the computer network, phones

**Staff Sgt. John Baker, 455th ESS, uses a can of compressed air to blow dust out of a computer. Dust is a constant foe of communications experts at Bagram, because it quickly destroys computer equipment.**

and lines,” said Master Sgt. Robert Dempsey, 455th Expeditionary Support Squadron.

“After nearly three years of deployed operations, much of the equipment on base is the same as on a traditional base. For the most part, the entire infrastructure is fiber (optic cable) or Cat-5 (computer network cable). There is some tactical equipment, but another organization maintains it.” Tactical communications equipment is usually used in the first networks built in a deployed theater, providing basic communications capabilities.

The job here is different from what some communications Airmen are used to, said Sergeant Dempsey, mostly because the Army forces here provide and maintain the infrastructure. “Normally, we run everything on an installation — we are the communications experts setting up and maintaining the network. Here, we are responsible for the computers on Camp Cunningham. If the server goes down at home, my team is responsible for fixing it. Here, the Army has that responsibility.”

Working at the user level instead of the network level helps communications experts better understand their cus-

tomers. “I usually work with people who have the same level of expertise that I do,” said Staff Sgt. John Baker, 455th ESS. “Here, I work with people with differing levels — some know nothing and others know just enough to be dangerous.”

Working here gives him a lot of information on how to improve training, both for users and for those who provide customer service for those users. “Now I can train work group managers better on dealing with customers — I can provide them more specific knowledge. Comm Airmen spend most of their time repairing and maintaining the equipment here. For computers, that’s a responsibility that normally falls to work group managers, such as Airman 1st Class Demetrill Newman, an information manager. “I mostly work on uncovering software issues and doing some repairs. That’s something I don’t do at home.”

Another task Airman Newman didn’t have the opportunity to do at home was to deal with classified systems.

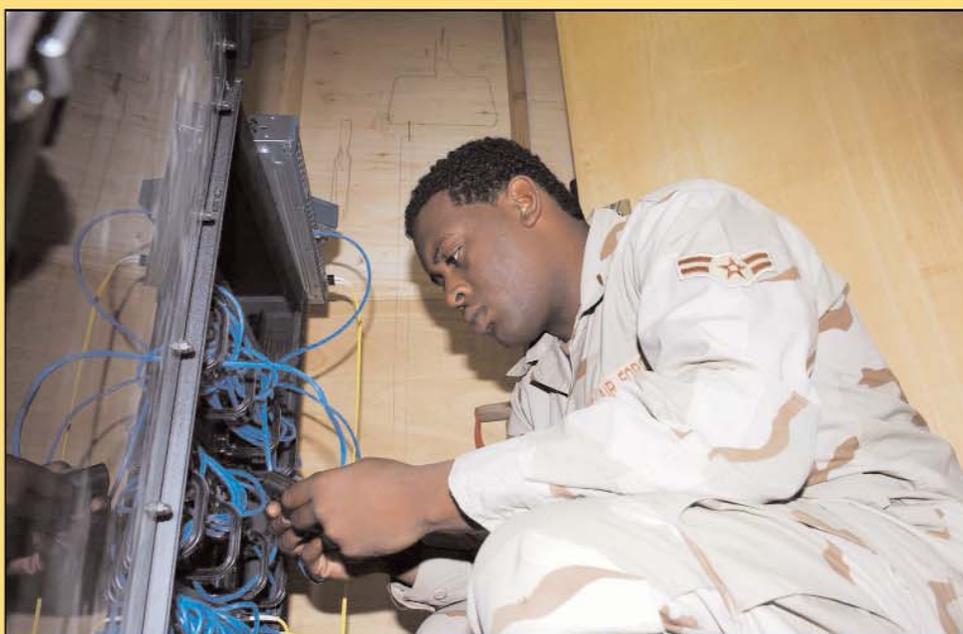
The opportunities here have given him some insight into how to do his job better at home. For instance, at home, he can handle problems over the phone, most of the time. Since the Army uses different programs, he finds that he often has to go over and visually see a problem

before he is able to fix it.

Because the Army owns the network, the Air Force team works closely with them to take care of its communication needs. “The Army has been absolutely fantastic,” said Sergeant Dempsey. “They are very understanding and bend over backwards to help. I can’t say enough good things about how they operate.”

Because of the dust, the Airmen here find themselves often repairing equipment, said Sergeant Baker, something else they are not normally trained to do. “I am using personal knowledge to repair computers — I have seen floppy drives that are eaten through in a month, and hard drives that are broken within six months of installation.”

That mission is extremely important to the overall mission in Afghanistan — that of protecting the country and ensuring that the coalition teams get out to register voters. “I think it’s really good that we are getting everyone the opportunity to vote,” said Sergeant Baker. “That’s really important. It’s the next step to moving on and making Afghanistan a secure nation. The country has been pretty beat up over the past 30 years. It’s about time someone helped out.”



**Airman 1st Class Demetrill Newman conducts a line test on a computer port at Bagram Air Base. Airman Newman, an information manager, doesn't normally get involved in the technical side of the computer network.**



## Procedures in place to avoid voting errors

By Master Sgt. Crystal Beard  
82nd Computer Support Squadron

LANGLEY AFB, Va. — The men and women supporting the military postal service are taking immeasurable steps to ensure overseas absentee ballots make it to the polls by the election cut-off date.

In 2001, the General Accounting Office conducted an investigation identifying voting problems during the 2000 election. The investigation revealed some absentee ballots did not arrive on time, some were not properly post-marked and many were not postmarked at all. They also found the Military Voter Assistance Program, established to assist voting offices, was inefficient.

This year, the Military Postal Service Agency has engaged its respective military postal agencies to ensure all absentee ballots will count in this year's election.

The first method being used to combat ballot problems is establishing a vot-

ing material survey.

In accordance with the National Defense Authorization Act of 2002, the Secretary of Defense conducted a survey this past summer of all overseas postal operations and sea vessels with military units responsible for collecting mail for delivery to the United States. The purpose of the survey was to determine if voting material from overseas is being held, and if so, how long and why.

MPSA created a Web-based email address where MAJCOM postal single service managers will submit all overseas component postal activity surveys. This will help locate possible problems before customers reach the mailing deadlines.

The GAO report indicated that some ballots were not counted due to inadequate date stamps or postmarking. In conjunction with the survey, MPSA is coordinating all postal activities to ensure proper cancellation stamps and/or machines are available. All postal activities are required to maintain proper canceling equipment to ensure mail is date stamped daily before being dispatched to the United States. MAJCOMs are monitoring all postal activities and postal supply offices to make sure canceling equipment is ordered and available.

Military postal services are also making sure absentee ballot forms are

properly delivered to service members. The majority of ballot forms will be mailed 30 to 45 days prior to election day. The United States Postal Service will contact local county election officials to provide mailing information for ballot forms going overseas, and will have local post offices pick up the balloting material from the county election officials daily.

Letter trays or tubs containing ballot materials will be dispatched as rapidly as possible, even if it only contains one absentee ballot form. These trays or tubs will display a distinct, highly visible label marking them for express mail processing to the three military mail gateways in New York, San Francisco and Miami. Once received, they will be given the highest priority concerning transportation and handling.

For the 2004 presidential election, the Military Postal Service and all of its respective agencies are diligently doing their part to make sure every eligible service member, U.S. citizen and patron's ballot receives the highest priority. The precautions and procedures taken should alleviate the previous problems of insufficient postmarking and missed cut-off dates. However, it is important that voters do their part by mailing individual ballots timely and correctly.

# Training today's warfighter

## JNTC, DMO enable full-spectrum battlespace dominance

**By Mr. Rick Davenport**

Air Force Agency for Modeling and Simulation

**ORLANDO, Fla. — The Joint National Training Capability** is one of the cornerstones of the Department of Defense's Training Transformation. It allows the warfighter to realistically train in a Joint environment. The underlying idea of JNTC is to link the services' live, virtual and constructive training environments into a single, cohesive one.

According to the U.S. Joint Forces Command's Web site, this training transformation creates joint warfighting conditions through a networked collection of interoperable training sites and nodes that synthesize personnel, doctrine and technology to achieve combatant commander and service training requirements.

**Distributed Mission Operations** is the backbone of Air Force Training Transformation and, therefore, a major part of the Air Force Agency for Modeling and Simulation's contribution to JNTC.

According to its concept of operations, DMO will enable battlespace dominance in service, joint, coalition and civil support operations, through integration of live, virtual, and constructive capabilities, systems and environments. DMO will be a force multiplier that maximizes warfighting capability.

JNTC and DMO are only the first steps in providing the Joint Force Commander the most capable and best trained Air and Space Force possible.

Based on lessons learned in Afghanistan and Iraq, the days of fighting as service stovepipes are over.

JNTC and DMO are leading to that moment when training within service stovepipes disappears. By joining various service's live ranges and adding virtual and constructive forces, training opportunities increase, the ability to train in a more complex environment expands, and warfighters become more knowledgeable and comfortable working within the environment they will face in the next conflict.

According to the DMO CONOPS, "The technology embedded in advanced weapons and sensors requires the development and maintenance of complex skills and knowledge focused on mission performance. DMO may be the only way warfighters can acquire the knowledge and practice the skills necessary to effectively employ complex weapons and weapons systems."

DMO has already had significant impacts on the warfighter. It was used to practice vignettes that were later used as the basis of operations in Iraq. It has also been used to practice and hone the skills and procedures for time critical targeting, and it provides a threat environment that can not be replicated short of war.

DMO provided digital training for Joint Surveillance Target Attack Radar System crews, allowing the JSTARS crews to see threat environments they could only see during war and fine tune the procedures they would use communicating the vital information to ground and air commanders.

### Joint Battlespace

Joint Red Flag, a designated JNTC event, will link 10 separate training audiences via DMO, joining what previously would have been at least five

separate service venues. It goes beyond adding a joint flavor to Red Flag. Joint Red Flag '05 will feature two air operations centers, three coalition partners, the Marine Corps as the coalition force land component commander the Air Force as the coalition force air component commander and an Army Brigade rotation at the national training center.

Virtual Flag/Blue Flag is another series of exercises combining current capabilities to create an enhanced decision environment. The idea behind Virtual Flag/Blue Flag is to link virtual cockpit simulators with the simulations that normally drive the exercise.

Typically, the Joint Conflict and Tactical Simulation provides the ground entities for the Air Force synthetic environment for reconnaissance and surveillance, Predator simulator and the virtual surveillance target attack radar system, as well as the Army's common ground station. This allows the warfighters at the Combined Air Operations Center — Nellis, the VSTARS and the CGS to practice procedures in a Joint environment too expensive to duplicate using real-world assets.

### Ready for the fight

The modeling and simulation master plan stresses, "Warfighter Readiness focuses on putting the Warfighter in an environment to improve warfighting decision-making, execution, skills and processes."

As JNTC ramps up to 40 events a year, warfighters will be continuously training in a joint decision environment, so fighting in such an environment will become second nature.

# Attorney's work reaches around the world

By Master Sgt. Darlene Foote  
SSG Public Affairs

**MAXWELL AFB, GUNTER ANNEX, Ala.** — While many people don't mind spending several hundred or even thousands of dollars on a vacation at a resort location, not many are willing to dish out that kind of money to go somewhere to live in bare bone conditions and work without pay.

However, that is exactly what Maj. Stephen See, Deputy Staff Judge Advocate at Standard Systems Group did—not once, but three times. His most recent trip happened this past June.

According to Major See, who serves as a youth minister for his church, Mozambique, which borders Zimbabwe and Zambia, is rated the third poorest country in the world.

"In addition to providing them the critical assistance they needed, one of our goals was to simply let them know that God loves them and that people care about them and their well-being," said the seven-year Air Force veteran.

Over the last three years he has spent nearly a combined two months working in Zimbabwe and Mozambique building wells, distributing supplies, working at AIDS clinics and teaching the Bible to local citizens. His feat was even more difficult because of communication barriers.

Because there are 26 to 30 different languages spoken in the region, just relaying that message proved quite challenging at times. At least two interpreters were required at all times just to have a conversation.

"My interpreter would translate what I said into Portuguese, and another would translate the Portuguese to the tongue of whom I was trying to communicate," said Major See.

The team of five spent nearly three



**Major See greets several Muslim Kotis by greeting them with "Salam Alakuhm," an Arabic greeting he learned while deployed to Oman.**

weeks with the Koti people, in the Northern Coastal town of Angoche, Mozambique, meeting with their leaders to share a message of hope. The predominately Muslim people were appreciative of the team's work.

According to Major See, the trip was a success, and the groundwork was laid for other teams to come in and provide the same kind of support and compassion that they were able to give.

"This trip was quite rewarding especially at those moments when we really connected with the people, despite the language differences," he said.

However, Major See's dedication to people and getting the job done doesn't stop there—he is also making a dif-



**Major See travels in a "dow" off the Mozambiquean Coast. The small sailboat, designed hundreds of years ago, is still the primary way to reach the islands.**

ference in the Air Force. He was just named the 2004 Air Force Outstanding Young Military Service Lawyer by the American Bar Association, Young Lawyer Division.

The annual award recognizes the legal contributions of one JAG under the age of 36 from each uniformed service, based on demonstrated excellence in job performance, proven leadership ability and service to the community. Additionally, Major See was named the AFMC 2003 Kuhfeld Award winner, an award given to the most outstanding active-duty JAG in the grades of captain or major.

"The Air Force, as a whole, and Gunter, in particular, are incredibly lucky to have an officer and attorney like Stephen See," said Major Susan Turley, the SSG Staff Judge Advocate. "He is a truly dedicated and talented leader and JAG. Yet, he's also one of the most humble, nicest people I've ever met. While he's done great things for the JAG Corps and the Air Force so far, I expect even better things from him in the future."



### **5th Mob**

Airman 1st Class Robert Acker sets up an antenna at Robins AFB, Ga. He is assigned to the 51st Combat Communications Squadron, which delivers mobile communications and information systems and weather systems support for expeditionary warfighters.

Sue Sapp / AFPN



weapons available, fuel status and aircraft currently available to be tasked.”

DLARS may be a new acronym, but the system has been in the planning stages for several years.

“DLARS started out as an outgrowth of a 2003 Lockheed Martin independent research and development project called Total Integrated Warfare,” said John Herring Jr., program manager. “The project was demonstrated to Gen. Hal Hornburg, commander of Air Combat Command, and Gen. Gregory Martin, commander of Air Force Materiel Command, in December 2003.

General Hornburg was so impressed he e-mailed the Air Force Chief of Staff, Gen. John Jumper, about the project and his desire to include it into JEFX.”

Mr. Herring also recalled the events leading to the birth of what is now known as DLARS including product demonstrations to the commander of the Air Force Command and Control, and Intelligence, Surveillance and Reconnaissance Center, Maj. Gen. Tommy Crawford. There were also meetings to include DLARS as an initiative into JEFX, then only two months away.

Instead of fielding a new data format for DLARS to extract, officials decided to levy existing technologies such as the Air Force’s newest aircraft data link system, LINK 16, and integrate it into the system.

“General Crawford came to the battle lab in January and saw what I was doing with another initiative and said, ‘That looks great, but let’s use LINK 16 information and get aircraft information into the CAOC faster,’” said Maj. Rod Schack, DLARS project officer.

Because of DLARS’ unique architecture, Major Schack’s team was able to integrate the system into JEFX within a short timeframe.

“DLARS is the last initiative added to JEFX 04. The tight timeline didn’t give us room to make changes to the JEFX structure, so we built a system

that paralleled it. Because of that, DLARS could integrate with JEFX and the Theater Battle Management Core System,” said Major Schack. “The design also allowed us to build a flying version of DLARS in two days which was flown on ... a flying test bed.”

The information available through DLARS can also be used for close-air support requests from the Army, provide information to the unit-level maintenance crews to support aircraft regeneration and assist in upper-level air-refueling management process.

“During Operation Iraqi Freedom, the Air Support Operations Center, which manages CAS assets, needed to request additional air assets from the CAOC. At that time, the system in use was not built to search for assets that could be retasked. As a result, there was a lot of labor expended to find those assets because they were needed immediately,” said Pete Peterman, lead Army CAS and situational awareness assessor. “With DLARS the requests happen at the touch of a button. Once a request is made the system searches for available aircraft and generates a listing of possible air assets that could be retasked to fulfill the CAS request within seconds.”

The system also helps improve aircraft regeneration times by providing information the aircraft stores down to unit level.

“DLARS can provide the wing

**“With this ability, maintenance crews can preposition assets to put aircraft back into the fight even faster than before.”**

**— Maj. Bill Mengers**  
JEFX interdiction offensive duty officer

operations center quick turn display information that can be used to calculate how much fuel and munitions are needed even before the aircraft returns from a mission,” said Maj. Bill Mengers, JEFX interdiction offensive duty officer. “With this ability, maintenance crews can preposition assets to put aircraft back into the fight even faster than before.”

The system also has the capability to assist in upper-level air-refueling management by helping to compute tanker-fuel off load based on data from receiving aircraft.

“DLARS in combination with LINK 16 information enables refueling management at the operational level by providing real-time fuel status for each receiving aircraft,” said Mr. Herring.

This capability assists with decisions regarding prioritization based on how long an asset can stay on station, if it will have enough fuel to be redirected to another target and prioritization of aircraft based on fuel load and weapons load, said Major Mengers.

“The benefit has been realized in the Time Sensitive Targeting cell in JEFX 04 when searching for a suitable asset with proper weapons and enough fuel to strike a dynamic or emerging target,” he said.

Although the recommendation to the Air Force chief of staff on whether or not to incorporate DLARS into the Air Force will not be made for some time, officials are already looking into possible future applications based on this system.

“The logical progression for DLARS is to exploit more data links. All you would need to do is translate the information into a usable format,” said Major Schack. “DLARS is a very simple concept. The data has always been there; it’s just a matter of taking the data and combining it with existing databases. That’s what DLARS does; it correlates, sorts and displays useful information so we can make quick, accurate decisions.”

RECENT DEVELOPMENTS

**NEW NAME, COMMANDER:** Lt. Gen. Harry D. Raduege, Jr., USAF, Director, Defense Information Systems Agency assumed command of the newly named Joint Task Force—Global Network Operations in a ceremony that also gave him the added responsibilities of Deputy Commander for Global Network Operations and Defense, United States Strategic Command. The unit, formerly known as the Joint Task Force—Computer Network Operations, had been commanded since June 2000 by Maj. Gen. J. David Bryan, USA.

The Secretary of Defense directed that action in a June memo, which reads, "I assign the Director, DISA, as Deputy Commander for Global Network Operations and Defense, USSTRATCOM Joint Forces Headquarters—Information Operations (JFHQ-IO), with authorities and responsibilities for Global Network Operations and Defense. The Joint Task Force—Computer Network Operations is designated as the Joint Task Force—Global Network Operations, and the Deputy Commander for Global Network Operations and Defense, USSTRATCOM, will serve as its commander. This action is consistent with the Unified Command Plan 2002 mission assignments through execution of responsibilities assigned under DoD Directive O-8530-1, 'Computer Network Defense,' and DoD Directive 8500.1, 'Information Assurance.'"

The JTF-GNO began as the Joint Task Force—Computer Network Defense in December 1998 with the mandate to "coordinate and direct the defense of DoD computer systems and computer networks ... in conjunction with the unified commands, services and agencies." Maj. Gen. John Campbell, USAF, was the first Commander, JTF (CJTF), and oversaw its transition from the Joint Staff to U.S. Space Command. In June 2000, Major General Bryan became CJTF and shepherded the young command through its first redesignation from JTF-CND to ►►

# SCOPE Champion

Civilian  
Focus

By Mr. Greg Skinner  
AFCA Civilian Career Force  
Executive Agent

**SCOTT AIR FORCE BASE, ILL. —** SCOPE Champion is the premiere civilian leadership development program for the comm and info community, but its impact will be felt on a much wider stage: If total force is viewed as a critically acclaimed production, then SCOPE Champion is a key member of the ensemble cast.

The total-force construct leverages the most effective use of officer, enlisted, civilian, guard and reserve and contractor resources possible to execute today's mission. It calls for a corporate approach, emphasizing the need for civilians to share an even wider mantle of leadership with the military.

One specific goal is greater correlation between the roles of senior ranking civilians and the officer corps. This requires a cultural shift for civilians to be more operationally focused, to include leading and managing in this network centric environment.

SCOPE Champion is a mechanism to help bridge the gap from a traditional role where comm and info civilians primarily provide continuity, to one where they are more in the forefront of operational planning and execution for their organization. Continuity is still very important, but today's mission also calls for civilian leaders who can manage network-related resources, and who understand the impact those resources will have on operations, both in theater and in garrison.

Today, even organizations with a purely support mission are more closely linked to operations because of the network; SCOPE Champion promotes the breadth

of experience, education and professional development necessary to strengthen that link. It increases opportunity for civilians to be considered for responsibilities traditionally held by the military, such as Deputy Commander, Director of Staff, or Network Operations Center Special Duty Officer—Now that is a total force approach.

SCOPE Champion candidates pursue professional military education to better comprehend military operations, and through management reassignment learn how comm and info support diverse organizations. The strategy also fosters a very strong mentoring campaign so that comm and info civilians are counseled and groomed for success by more senior individuals, just as the military has so long structured itself to do. While the target audience for SCOPE Champion is currently GS-13s through GS-15s (and their equivalents), the ripple effect for junior civilians seeking professional growth becomes apparent as well—they should be pursuing the skills and experience that will help them integrate into a total force, operationally-oriented environment.

Force shaping, down-sizing and technology immersion are all factors influencing the need for today's total force approach. Using that analogy of total force as a critically acclaimed production, civilians are being presented with the challenge and opportunity to take center stage now more than ever. Be ready... study your lines, especially the ones that begin with SCOPE Champion.

For further awareness, the SCOPE Champion Web page is located at: <http://www.afpc.randolph.af.mil/cp/cicp/SCOPE.htm>.

JTF-CNO. In October 2002, USSPACECOM and USSTRATCOM merged, and JTF-CNO became a component command of the JFHQ-IO.

The designation "JTF-GNO" reflects the command's mandate to lead and direct continuous system and network management, information assurance, computer network defense, and information dissemination management throughout the Global Information Grid under the authority of Commander, USSTRATCOM. (*Air Force Print News*)

**THEY WILL LISTEN:** Department of Defense Inspector General Joseph Schmitz is reminding servicemembers there are a number of ways to report suspected incidents of wrongdoing outside their chains of command. His office runs the DOD Hotline Program. Servicemembers and civilians who wish to report incidents without going through their chains of command can take full advantage of this program.

Those with suspicions can call toll free (800) 424-9098, commercial (703) 604- 8569 or DSN 664-8569 to report misdeeds.

Servicemembers and civilians can also mail their concerns to: The Defense Hotline, The Pentagon, Washington, D.C., 20301-1900. The e-mail address is: [hotline@dodig.osd.mil](mailto:hotline@dodig.osd.mil).

The push to inform servicemembers of this option grew out of the recent series of Senate hearings about prisoner abuse in Iraq. Senators believed there was no way for servicemembers to report wrongdoing outside their chains of command.

For more information, go to the inspector general's Web site at: <http://www.dodig.osd.mil/>. (Courtesy of American Forces Press Service)

**GOODBYE FORMFLOW:** After replacing FormFlow software with the Information Management Tool viewer, officials at the Air Force's departmental publishing office sealed the deal by officially taking down all FormFlow forms from its online Web site repository.

Established at [www.e-publishing.af.mil](http://www.e-publishing.af.mil), users will no longer find "forms" as they once knew them to be called. Instead, they can find IMTs, the new name for forms in the Air Force. As of June, all FormFlow products were replaced with their corresponding IMTs.

Much like the Adobe Acrobat application, which allows people to view portable document format files, the new viewer allows users to view, write, send, save and modify IMTs. The application allows people to use zoom features, plus incorporate bold, underline and italic text enhancements.

Officials said this software will make managing, processing and storing forms-based information easier and less time consuming. Besides providing a more efficient process, the program is tailored to support people with access to the Internet, as well as deployed users with limited or no access to a computer.

For legal and records-management purposes only, publishing officials are saving all FormFlow forms in a special archive, and will release them

to the public on an "as-needed" basis.

**UPDATED MANUAL:** An Airman's most important deployment tool just got better.

The original Air Force Manual 10-100, the "Airman's Manual," published in 1999, has been revised and updated and has hit the streets.

"We will distribute more than 675,000 copies to every active-duty member, reservist and guardsman," said David Epstein, the training and publications manager for the Air Force civil engineer readiness branch. An electronic version is also available on the Air Force portal.

One major improvement combines the manual with Air Force Handbook 32-4014, Volume 4, "USAF Ability to Survive and Operate Procedures in a Nuclear, Biological, and Chemical Environment." This consolidated the two publications from 400 pages to about 250 and put them both into one easy-to-carry booklet that fits into the battle dress uniform pants cargo pocket.

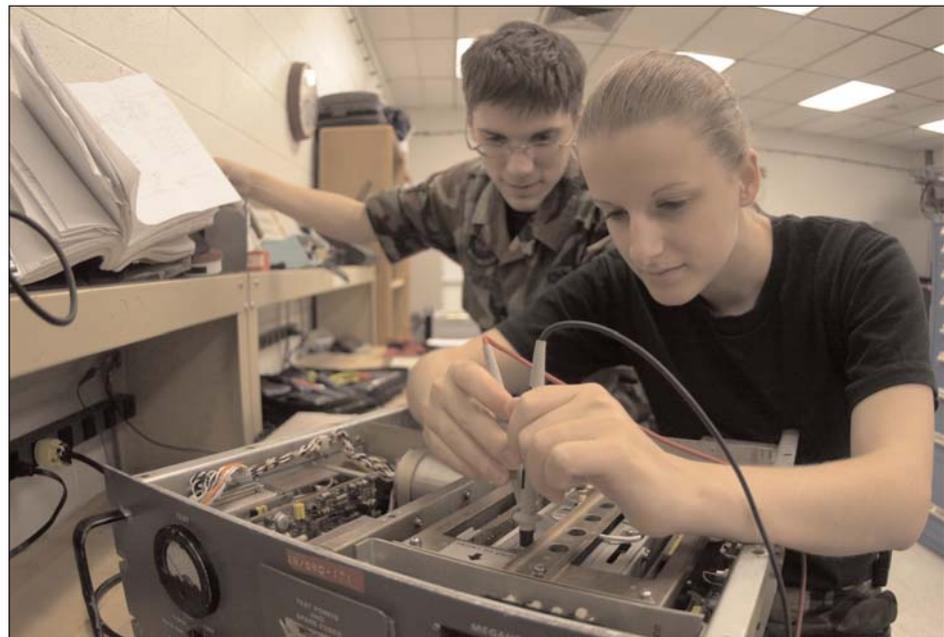
Another important feature is the

addition of about 20 pages of potential life-saving information. The section is tabbed, in easy-to-read simple text, and states specific "need-to-know-now" actions such as post-attack and shelter-in-place actions, weapons jam procedures, self-aid and buddy care and how to identify unexploded ordnance. It can even be read using night-vision goggles.

Every bluesuiter will get a copy of the manual, with deployed and deploying Airmen getting their copies first through their unit deployment managers. Certain emergency-essential civilians and contractors will also get them. (*Tech. Sgt. David A. Jablonski / Air Force Print News*)



**STUDY HARD:** The Air Force is offering three officers the opportunity to study overseas for two years through the Olmsted Scholar Program. Those selected will begin study for the 2005-2006 school year. ►►



Staff Sgt. David Miller / JCCC

## TESTING 1, 2, 3

Airman 1st Class Meghan Tobin, ground radio journeyman with the 56th Communications Squadron, Luke AFB, Ariz., checks voltage points on a backup transceiver while Senior Airman Erik Gustafson, ground radio technician, oversees the maintenance of the equipment per the Technical Order.

The program provides participants with an in-depth understanding of a foreign language and culture so they are aware of the viewpoints and concerns of people worldwide, officials said.

It involves cultural immersion by an officer and his or her family (if applicable), as well as study at a university in the country's native language. Officials are selecting officers with demonstrated leadership and scholastic abilities.

Applicants must be a regular or Reserve line officer on active duty with between three and 11 years of commissioned service, and no more than 11 years of total service by April 1, 2005. Officers must have at least a 3.0 grade point average on a 4.0 scale for their undergraduate degree. They must have achieved at least a 550 on each portion (verbal and quantitative) on the Graduate Record Examination.

Finally, they must have scored at least a 110 on the Defense Language Aptitude Battery.

Applications must arrive here by Oct. 15. Applicants should send completed applications to: HQ AFPC/DPAPE, 550 C St. W., Suite 32, Randolph AFB, TX 78150-4734.

For more information, visit the local MPF or the Web site at: <http://www.afpc.randolph.af.mil/pme/0-Olmsted.htm>.

### TECHIE EXPO

**EXPAND THE MIND:** The Air Force Association will hold its first Air and Space Conference and Technology Exposition at the Wardman Park Hotel in Washington D.C., Sept. 13-15.

The professional development conference sponsored and conducted by AFA is in support of the total force. It includes major conference address-

es, forums and more than 24 workshops. The speaker line-up includes government, Department of Defense and Air Force senior leaders. There is a reduced conference fee and a single day fee for DoD personnel. All people attending the conference will receive a certificate documenting their participation.

Registration information and a schedule of events are available online at: [www.afa.org](http://www.afa.org) or by telephoning (703) 247-5800.

### KUDOS

**RAWLINGS AWARD:** Sometimes there is no substitute for the gratification of a job well done.

So when a diverse team of 23 Air University members juxtaposed to accomplish a challenging goal, earned the General Edwin W. Rawlings Award at the annual Air Education and

Training Command Communications and Information Awards; it was merely the icing on the cake.

The award, given to recognize teams consisting of two to 25 people who have completed a project that clearly enhances Air Force communications and information operations, was earned by the AU team for its creation and implementation of an enterprise software system that has synergized student management processes and systems throughout company grade officer and enlisted professional military education schools.

The team consisted of seven software developers from the AU Communications and Information Directorate, commonly known as AU/SC, and 16 representatives from various AU schools.

"We brought people together from multiple Air Force career fields, some with little to no software devel-



Senior Airman Priscilla Robinson/ 31st CS

## ITALIAN JOB

Airman Brian Allison of the 31st Communications Squadron, Aviano AB, Italy, installs a Satellite Terminal. The ACE shop provides reachback connectivity from deployed locations.

opment experience, and they rolled up their sleeves and accomplished something great," said Fred Hoff, branch chief of information engineering for AU/SC.

The software system, called iGECKO, which was originally developed by the Squadron Officer College, replaced numerous aging, lackluster database systems, which did not communicate with each other. iGECKO is serving 14 enlisted professional military education schools worldwide totaling more than 11,000 students.

According to Senior Master Sgt. Jeffrey Dzedzic, director of plans and programs for the College of Enlisted Professional Military Education, iGECKO will soon be pushed to 69 additional airman leadership schools and will eventually service more than 32,000 students.

"After an exhausting requirements gathering process, we realized we were in desperate need of an upgrade to the current databases and what was available to us from industry was either terribly costly or not applicable to our needs," said Sergeant Dzedzic. "AU/SC has provided us an awesome, outstanding product and was able to do so with in-place resources."

In addition to creating a quality product to enhance the training mission, the Air Force benefited financially from the team's efforts, "We saved the Air Force millions of dollars of software developer contractor work by accomplishing this task in-house," said Mr. Hoff. "The key to success was successfully teaming developers with functional experts. This effort is a model of how we need to do business in the future. There is no substitute for having the customer actively involved throughout the entire process."

The Rawlings Award is now proudly displayed by the members of AU/SC and serves as a constant reminder of what cooperation and teamwork can accomplish.

As Mr. Hoff stated, "To have our customer say to us, you built our system on time, on schedule, and you gave us 100 percent of what we asked for; that is the ultimate success story in a software developer's life." (Mr. Jon



Airman 1st Class Ryan Wilson / 509th CS

## HOTTER WITH SOLDER

Airman First Class Samuel Lake solders motherboard wires together on a radio transmitter. Airman Lake is from Humphreys, Mo., and is a Ground Radio Technician with the 509th Communications Squadron at Whiteman AFB Mo.

Sladek / AU Public Affairs)

### POSITIONS AVAILABLE

**HELP WANTED:** Opportunities for Airmen to become enlisted aviators are taking off as nine aircrew specialties are opening up for retraining.

The Air Force's senior enlisted aviator said more than 360 training slots are available for enlisted Airmen in ranks senior airman through master sergeant.

Chief Master Sgt. Tim Steffen, enlisted aviator career field manager, said the service has been aggressively recruiting enlisted fliers through several avenues, including notices on monthly leave and earnings statements and "head hunters."

"Our recruitment drive has quickly gained momentum, and considering all the fantastic opportunities available, it's hard to believe so many aviator positions remain unfilled," Chief

Steffen said.

First-term Airmen assigned to units within the continental United States may not apply before the first duty day of the month in which they complete 35 months of their enlistment (59 months for six-year enlistees). They must apply before the last duty day of the 43rd month of the enlistment (67 months for six-year enlistees). Airmen stationed overseas may apply between the 15th and ninth month before the date they are eligible to return providing they will enter the 35th month of service (59th for six-year enlistees) on or before their return date.

Many of the retraining slots became available with the release of the fiscal 2005 noncommissioned officer retraining program, the chief said.

"Flying duties are incredibly challenging and extremely rewarding," the chief said. "Along with the chance to fly all over the world, another great reason for becoming a CEA is the great

incentive pay."

CEAs are entitled to a monthly incentive pay based on the number of years of aviation service, not rank. Specifically, Airmen with four years or less of aviation service receive \$150 per month. Airmen with more than four years earn an extra \$225, and those with more than eight years earn \$350. Airmen with more than 14 years of aviation service collect \$400.

Positions are available for in-flight refueling specialists, flight engineers, loadmasters, airborne communications and electronics specialists, airborne battle management systems specialists, airborne mission systems specialists, flight attendants, aerial gunners and airborne cryptologic linguists.

Contact the local military personnel flight for more information, or visit the dot-mil restricted CEA Web site at: <https://www.xo.hq.af.mil/xoo/xoot/xoota/CEA/cea.htm>.



**Techno Gizmo** Capt. Mack Coker (foreground) learns how to use the Global Procedure Designer with the help of Iain Hammond, a systems engineer for MacDonalD Dettwiler. The GPD is a new software-based program providing terminal instrument procedures specialists with a better evaluation of obstacles and terrain in the arrival and departure path for aircraft.

## **GLOBAL PROCEDURE DESIGNER** USAFE ensures clear routes for aircraft

### **What is the Global Position Designer?**

The software allows the terminal instrument procedures specialists to provide a better evaluation of obstacles and terrain in the arrival and departure path for aircraft.

### **How does it work?**

Determining obstacles used to entail tedious calculations taking hours or even days to do by hand. The new software-based system can provide a more complete evaluation of obstacles and terrain in a fraction of the time. By comparison, the software that TERPs specialists use now for obstacle and terrain evaluation can evaluate up to about 10,000 obstacles, but the new system can evaluate 23 million terrain and obstacle points, so it is much more thorough and correct.

### **What is the benefit?**

An example of a new procedure being developed using this software will give aircrews the capability of flying down to 50 feet above the ground (without sight of the ground), as they maneuver for landing in bad weather.

### **What does the future hold for GPD?**

Although this system is primarily being used at Ramstein AB, Germany, and USAFE's terminal instrument procedures facility is the first organization in the world to implement the new system, the Global Procedure Designer program has been in development nearly seven years and is going to be released to all Air Force major commands after specialized training has been completed.

source: Tech. Sgt. Mona Ferrell / USAFE News Service

# PERSISTENCE

A silhouette of a three-masted sailing ship is shown against a bright, orange-hued sunset sky. The sun is a large, glowing orb in the upper right quadrant. The ship's masts and sails are dark against the lighter sky, with some sails featuring a white patch with a dark letter 'D'. The overall scene is framed by a dark, textured border.

"THOSE WHO EXPECT TO REAP THE BLESSINGS OF FREEDOM  
MUST, LIKE MEN, UNDERGO THE FATIGUE OF SUPPORTING IT."

— THOMAS PAINE (1737-1809)



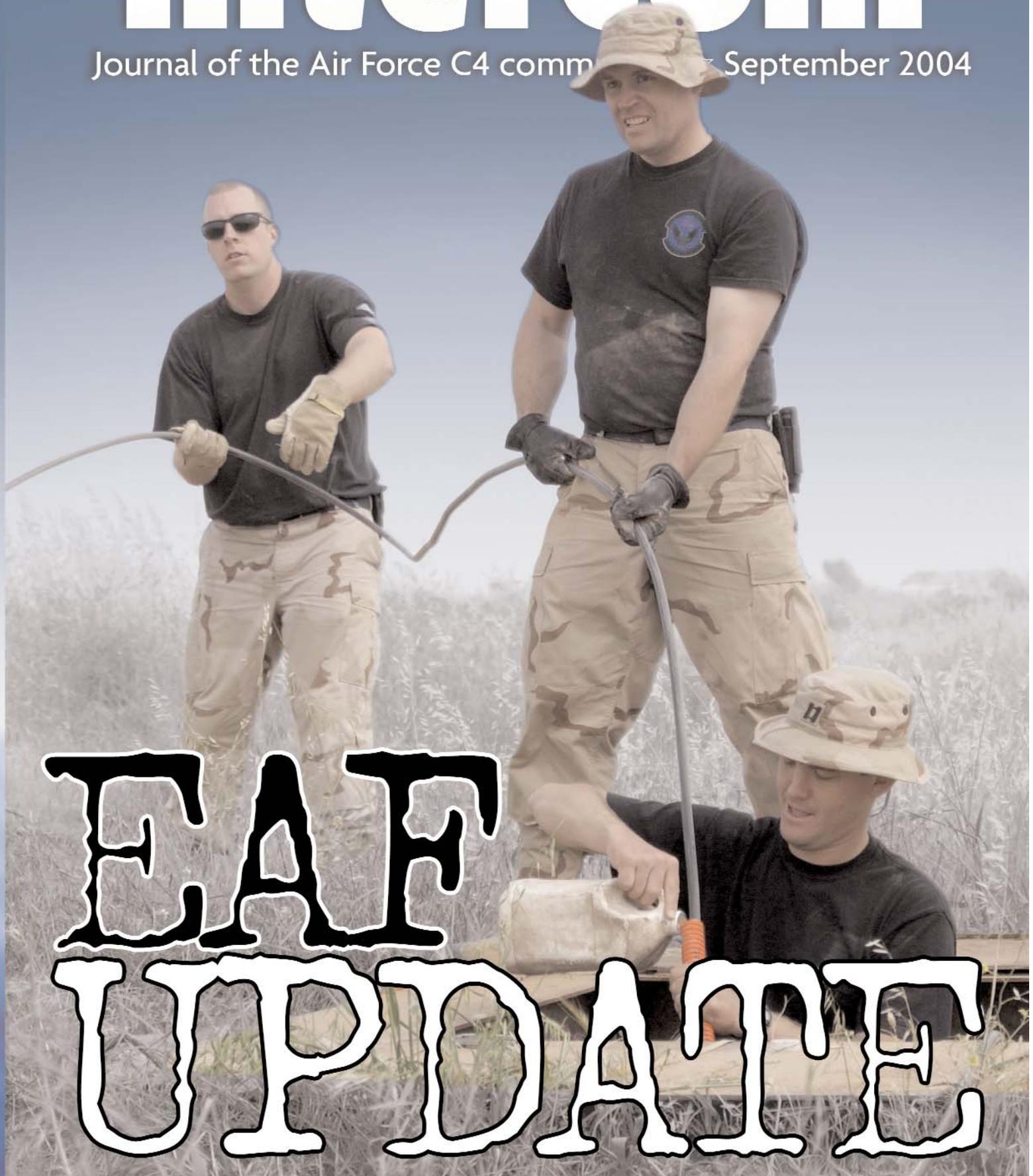
"If you want to be free there is but one way; it is to guarantee an equally full measure of liberty to all your neighbors. There is no other."

Carl Schurz (1829-1906)



# intercom

Journal of the Air Force C4 command September 2004



**EAF  
UPDATE**