InfoDOMAIN

DECISION SUPERIORITY FOR THE WARFIGHTER

WINTER 2010-2011

Information Dominance Corps

InfoDOMAIN

DECISION SUPERIORITY FOR THE WARFIGHTER

FEATURES

DEPARTMENTS

FRONT COVER: ***The Information Dominance Warfare Officer (IDWO) device and the Enlisted Information Dominance Warfare Specialist (EIDWS) device. For more information about the IDC's pins see pages 24-27. (Graphic Illustration by MC2(SW) Joshua J. Wahl)***

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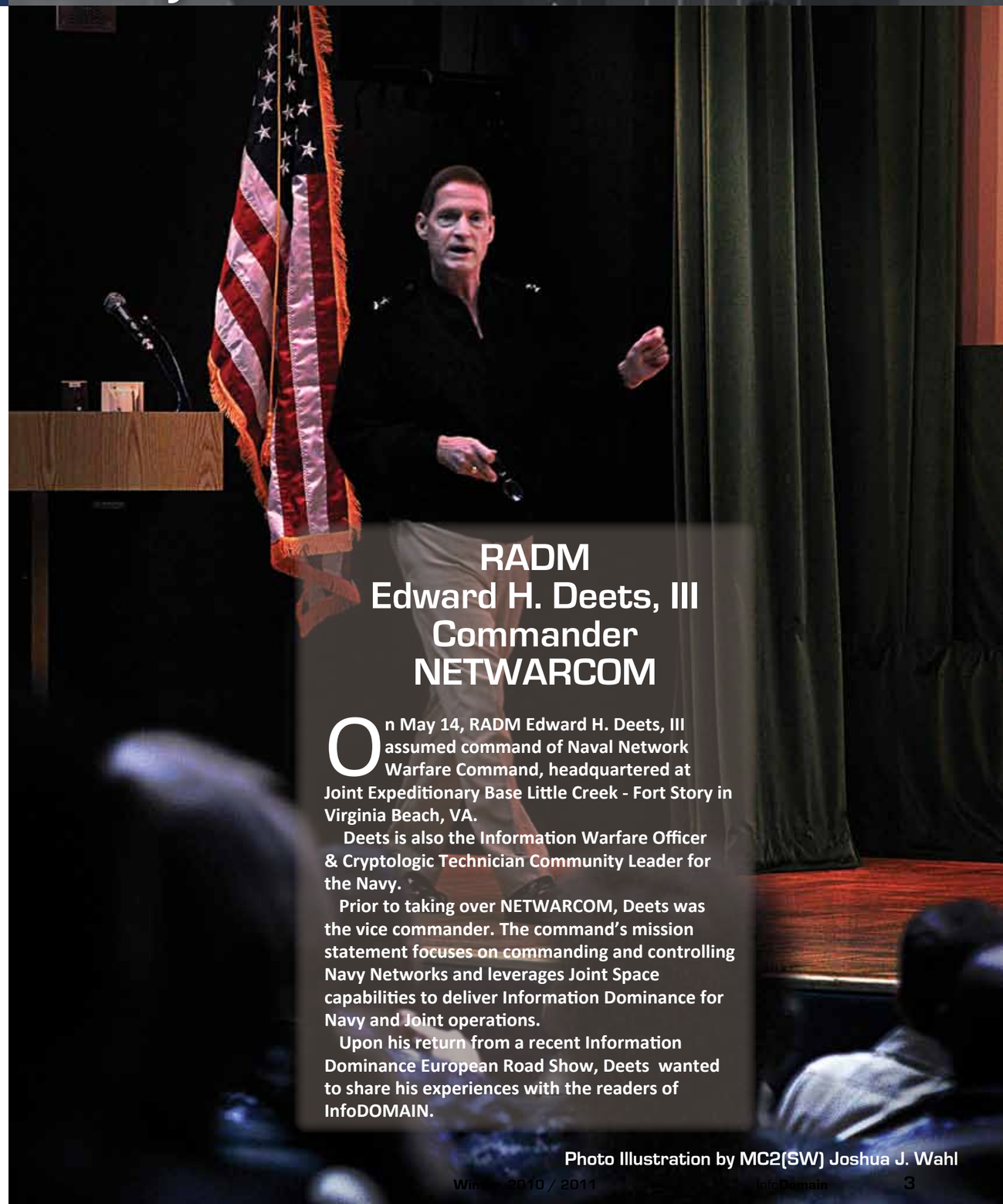


RADM Edward H. Deets, III Commander NETWARCOM

On May 14, RADM Edward H. Deets, III assumed command of Naval Network Warfare Command, headquartered at Joint Expeditionary Base Little Creek - Fort Story in Virginia Beach, VA.

Deets is also the Information Warfare Officer & Cryptologic Technician Community Leader for the Navy.

Prior to taking over NETWARCOM, Deets was the vice commander. The command's mission statement focuses on commanding and controlling Navy Networks and leverages Joint Space capabilities to deliver Information Dominance for Navy and Joint operations.

Upon his return from a recent Information Dominance European Road Show, Deets wanted to share his experiences with the readers of InfoDOMAIN.

Photo Illustration by MC2(SW) Joshua J. Wahl

Information Dominance: The ability to seize and control the information domain "high ground" when, where and however required for decisive competitive advantage across the range of Navy missions.

-- U.S. Navy's Vision for Information Dominance – May 2010

I recently visited a number of Navy and Joint commands in five European locations to talk to many of our Information Dominance Corps (IDC) members about our way ahead in this new warfare area. My team and I met with members of all of our IDC Communities: Intelligence (1830/IS), Information Professional (1820/IT), Information Warfare (1810/CT), Meteorology and Oceanography (1800/AG) and the Space Cadre. We visited NCTS Sigonella, NCTS Naples, 6th Fleet, NAVEUR, USEUCOM, USAFRICOM, Menwith Hill Station, and JAC Molesworth.

My team was comprised of representatives from all four IDC Communities (and an aviator for good measure), from a variety of commands and staffs:

CAPT Joseph Kinder (C6F) – Information Professional (1820)

CAPT Alfred Turner (OPNAV N2/N6) Intel (1830)

CAPT Joseph Boogren (PERS 47) Information Warfare (1810)

CDR James Gateau (EUCOM) Informational Professional (1820)

CDR Howard Watson (OPNAV N2/N6) Aviation (1310)

CDR Christopher Gabriel (AFRICOM) Meteorology/ Oceanography (1800)

LCDR Peter Bouras (OPNAV N2/N6) Intelligence (1830)

LCDR John Hill (OPNAV N2/N6) Information Warfare (1810)

LT Julia Poth (NNWC) Intelligence (1830)

ISCS Tonya Gray (OPNAV N2/N6)

ITCS Ronald Ramsey (OPNAV N2/N6)

Our series of global IDC Road Shows is designed to provide detailed information about the IDC, our individual Communities, and the vision for our Navy's way ahead in Information Dominance. We allowed all the time that was needed to answer the many questions we got from our Sailors and civilians. The best way to get the straight story is from the source, so my presence and that of the dedicated team that I took with me is critical to ensuring that everyone understands where we're headed and why.

Our Chief of Naval Operations, ADM Gary Roughead's vision is clear and the importance of our individual Communities and their associated unique skills is equally clear. In the end, the corps becomes greater than the sum of our Community parts, but each of our four Communities and our Space Cadre are vitally important to our Navy's success in this new warfare area. I want to share a quote from the CNO:

"People who will operate in this domain will be at a premium because there will be great competition for their intellect, for their experience and for their competence. So what we have done is to take our already very proficient and experienced operators and create an 'Information Dominance Corps.'

They will retain their individual identities, but they will be managed as a corps, they will develop as a corps and they will fight as a corps."

Our IDC, which includes our many civilians, is comprised of over 45,000 personnel. Within the IDC, each Community possesses unique skills, specialties and sub-specialties. Our way ahead improves the depth of professional expertise within each Community, greatly expands each member's knowledge of the other Communities, and continues Navy's leadership in this war fighting domain.

"The establishment of the Deputy CNO for Information Dominance (OPNAV N2/N6) and FLTCYBERCOM/C10F has elevated the role of information, cyber, space and networks in our operations and investments…

I will continue to press in this area to ensure our networks and architectures are agile, responsive and secure; that we are capable of leveraging information in all environments; and that we no longer limit our thinking to 'information in warfare,' but fully develop the concept of 'information as warfare.'"

-- CNO Guidance for 2011

We enjoyed excellent attendance and interaction in all locations and I'm continually impressed with the incredible caliber of our people. I gave our audiences a foundational presentation that covered the CNO's vision, the specifics of this new warfare area, and our way ahead. Our team then drilled deep on a variety of issues from officer designator and rating health, to programmatics. We got lots of questions and that's what it's all about.

Our IDC communities are the keys to achieving the agility and innovation required to integrate and leverage the Navy's powerful information capabilities, and thus to ensure Information Dominance over potential adversaries. Each of our Communities brings many decades of war fighting experience to the rapidly evolving information domain. As the CNO highlighted, our core skills have never been in greater demand than they are today. It's vitally important that the Navy writ large, our Joint counterparts, and our allied and coalition partners fully understand the critical importance of Information Dominance and delivering this core warfighting capability.

We're off to Denver and Colorado Springs in December to take the show to our large core of IDC warriors that comprise much of our Rocky Mountain Navy. Our briefings are posted on the iNEWS site in the PAO command document Library/Briefs. I'm available at: edward.deets@navy.mil to answer your questions.

at a GLANCE

RADM Deets is a native of Charlottesville, VA. He graduated from Duke University in 1979 where he was commissioned an ensign via the Naval Reserve Officer Training Corps.

Deets began his Information Warfare Officer career at the Naval Security Group Activity Kunia, Hawaii. There he served as a direct support officer aboard a variety of ships in the Western Pacific, Indian Ocean, North Arabian Sea, and the Mediterranean. His next tour was at the Naval Security Group Activity Pyongtaek, Republic of Korea, as the executive officer. From there, he was assigned to the staff of Commander in Chief, United States Atlantic Fleet.

In 1991, he reported to commander, Carrier Group 2 aboard USS John F. Kennedy (CV 67) as the staff cryptologist. He deployed to the Mediterranean Sea and also participated in several counternarcotics operations on various ships. In 1993, he became the cryptologic junior officer detailer at the Bureau of Naval Personnel in Washington, DC. Next, he spent two years on the staff of the U.S. 6th Fleet in Gaeta, Italy, as the command and control warfare officer. He attended the National War College at Fort McNair, Washington, DC, where he graduated with honors in 1998. He served a follow-on joint assignment as the executive assistant to the National Security Agency chief of staff.

Deets' personal awards include the Legion of Merit with gold star, the Defense Meritorious Service Medal, the Meritorious Service Medal with gold star, the Navy and Marine Corps Commendation Medal with two gold stars, the Army Commendation Medal, and the Navy and Marine Corps Achievement Medal. He holds a Master of Science Degree in National Security Strategy with a concentration in Information Strategies. He is married and has two sons.

FORCE CHAPLAIN'S THOUGHTS

The holidays are great times for family and faith group celebrations. Most major faith groups share a specific view of holidays or holy days. The idea is that these days are holy or set apart from other days. They are special. They are set apart to allow adherents and in most cases all people, adherent or not, a time for rest and reflection.

The body itself needs periods of rest to recharge and heal. These times are also very important to the emotional well being of the individual. Several faith traditions include the example of God resting and specific commands for adherents resting. In the midst of the hustle and bustle of the commercial side of the holidays, I recommend you set aside time to rest.

Reflection is the second part of the equation. Faith groups point followers to remember a miraculous event, a time when God intervened in the normal course of human events and changed the outcome. They also charge the followers to reflect on that intervention and what it means to them as individuals.

Perhaps there is a call to change their attitudes or behaviors in some way. Periods of reflection allow us time to process the information and make decisions accordingly. Reflection is a valuable practice regardless of your frame of reference. There is great merit in taking time to reflect on one's life and look for areas that need improvement. Equally important is constructing a concrete plan for making those improvements, and executing the plan.

Take time this holiday season to rest and reflect. And do remember to be thankful.

Grace and Peace

Chaplain Mac

Hub Offers Links to Fans on Facebook

Social media at the Defense Department has gotten so popular it now has its own Web page 'hub' to coordinate it all.

DoD has launched an updated Social Media Hub Web page to provide quick links to service-affiliated Facebook, Twitter and YouTube social media sites as well as policy documents, training manuals and other information and to provide a forum for discussion.

Each service has a page on the hub that contains links to various social media sites and resources.

For more information about DoD's Social Media Hub go to:

WWW.SOCIALMEDIA.DEFENSE.GOV

Navy Sets Course to Better Link Shipboard Networks

Solution lies in virtualizing hardware components and duplicating them in a common software environment

By Paul Richfield, Defense Systems

The Navy is taking aim at aging, incompatible computer systems, a problem throughout the Defense Department, through a $1 billion program to upgrade and consolidate the systems of nearly 200 ships and training sites.

Known as the Consolidated Afloat Networks and Enterprise Services (CANES) program, it is the service's most ambitious spending for shipboard networks in more than a decade. It is a shift away from customized computers to an Internet-style setup in which individual workstations become secure portals that link to a common knowledge base. CANES will encompass each of the various command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) domains, in addition to a fifth C: combat systems.

"This is very exciting," said CAPT Kevin Hooley, assistant chief of staff for readiness and training at Navy Cyber Forces in Virginia Beach, VA. "We're finally understanding the value and speed of information in the 21st century.

"The Navy has made a strategic decision to take all their various disciplines of information from stovepiped communities and bring them into one, overarching community and aggregate their power," Hooley said. "SIGINT (Signal Intelligence), traditional intelligence, space cadre, communications, oceanographers and meteorologists — these are now being brought together. In the past, this was all done ad hoc."

Although users of the Navy's existing inventory of shipboard computer technology consider it to be effective, it also qualifies as a hodgepodge of disassociated capabilities developed in isolation. Each computer system comes with unique hardware and software configurations that are generally incompatible with other systems. Because the Navy can upgrade its floating networks only when ships are in port, the process of upgrading a major system can extend from months to years.

To Hooley, the solution lies in virtualizing the various pieces, parts and functions of hardware and duplicating them in a common baseline software environment. In this type of system, individual software applications perform functions that previously required dedicated, stand-alone machines.

"So instead of having a system of boxes and wires, we'll have software and, to a lesser extent, firmware," he added. "Any time we put anything over the air and onto a network, we increase our vulnerability — we have to know that going in.

"The technology is not the challenge — [rather it's] our ability to pace the integration of the technology. One thing we're continually doing as part of the integration process is to build in a set of layered defenses, from software and crypto to good personal practices."

Interoperability remains the greatest problem, Hooley said. "The various applications and virtual systems must be coherent so they don't defeat each other. This can only get worse as the amount of hardware and software for traditional C4ISR functions and now combat systems grows."

COTS Is Key

At the outset, CANES is slated to replace five existing systems that form the foundation of the Navy's computing power at sea. That includes the service's main networking system, the Integrated Shipboard Network System, along with the service's primary tool for communicating with coalition partners, the Combined Enterprise Regional Information Exchange System.

CANES technology also is expected to assume the functional roles of the Sensitive Compartmented Information, Video Information Exchange and Submarine Local Area Network programs.

To integrate those capabilities and add others, such as weapons targeting — the fifth C — the Navy is adopting a strategy that many Fortune 500 companies have embraced as part of a knowledge-centric approach in recent years.

The Navy and industry recognize that because knowledge is stored securely on the network instead of in a server or hard drive, they can purchase computers on the open market in quantity and from multiple suppliers. And, as hardware and software advance, they can quickly upgrade those machines without taking the system off-line.

That approach, known as commercial off the shelf (COTS), forms the basis of competing proposals from the two remaining CANES competitors: Lockheed Martin and Northrop Grumman. The contractors lead teams that feature a number of small, relatively obscure, software design companies. The Navy eliminated two other bidders, Boeing and BAE Systems, in March and is expected to name a prime contractor in July 2011.

As a survivor of the first cut, a team led by Lockheed Martin MS2 Tactical Systems in San Diego, was awarded a $15 million CANES development contract that could be worth as much as $937 million if the integrator wins the competition. Its partners include General Dynamics, ViaSat, Harris and American Systems.

Lockheed Martin declined to discuss its efforts. Its program could be in a state of flux following the recent departure of several senior staff members. Its rival, Northrop Grumman Space and Mission Systems, in Reston, VA, was eager to discuss its competing bid.

The Northrop Grumman team now has a $17 million CANES contract worth as much as $775 million if it gets the Navy's go-ahead next summer. Its partners are IBM, Atlas Technologies, Beatty and Co. Computing, Juno Technologies, Syzygy Technologies, and CenterBeam.

"Nothing will have to be developed for CANES that doesn't exist now," said Mike Twyman, vice president of integrated command, control, communications and intelligence systems at Northrop Grumman's Information Systems unit.

"The Navy has developed a 'vendor-neutral' specification, which allows competition for components through the life cycle of the program," Twyman said. "Operating system issues go away because we're creating an environment that can host any of them.

"The links between various classification levels are handled through mature cross-domain technologies, such as guards, that allow you to move data between different levels of security, coalition versus U.S. Navy, for example, on the same screen," he said.

The core of the Northrop Grumman effort is an IBM product, a high-speed blade server, and the latest virtualization software.

"This is where the miracle occurs," Twyman said. "It isolates the application from the host software. This approach has been going on at DOD for several years. We've been doing it for (the Defense Systems Information Agency) on the Global Command and Control System-Joint.

"If an application crashes, it doesn't take the whole system with it," he said. "It also helps reduce system administrator time. If there's a problem with the app, a backup virtual machine can be launched immediately."

Server capacity isn't an issue because extra space is available, Twyman said.

"With our approach, the Navy doesn't have to rip out a rack to install a new processor — they can just add it," he said. "Leveraging COTS technology against the custom technology that's been used in the past is a much stronger position that reduces the total ownership cost."

EDITOR'S NOTE: **Republished by permission, Defense Systems 1105 Media, Inc. 2010.**

CYBERFOR Deputy Commander Steps Up as New DON CIO

From CYBERFOR Public Affairs

Terry Halvorsen has served for the past year as Deputy Commander of Navy Cyber Forces (CYBERFOR), and previously as the Deputy Commander of Naval Network Warfare Command (NETWARCOM). He was selected to be the Department of the Navy Chief Information Officer (DON CIO) by the Secretary of the Navy, and assumed the duties of the position Nov. 22. Here, he offers some parting thoughts for InfoDOMAIN readers.

What do you hope will be your legacy and what are the accomplishments you are most proud of?

Photo By MC2(SW) Joshua J. Wahl

First would be the establishment and development of the Type Commander (TYCOM) role for C4I (command, control, communications, computers) – now C5I (add combat systems) - at NETWARCOM and now at CYBERFOR. That role needed to be filled. The work that started under VADM Denby Starling, former NETWARCOM and CYBERFOR commander, has been continued and accelerated under RADM Tom Meek, CYBERFOR commander. The staff here embraced this, so it is their accomplishment, not mine.

Among the most critical things that happened at NETWARCOM and CYBERFOR over the last three or four years would be the ship readiness reviews. We're making sure ships are C5I-ready, concentrating on Electronic Warfare, building the N4/7 (Readiness and Training) department and getting the right talent structure in place.

Other highlights: the Cyber Asset Reduction and Security (CARS) effort to reduce legacy networks, and raising the awareness of the entire Navy on the importance of C5I – not just from a security aspect, but from all of the tenets of warfighting. It really has become a warfare area. You can't fight a war today, you can't do anything – even prevent war – without a good understanding of and a well-functioning C5I systems.

The fact that we could get the Next Generation Enterprise Network (NGEN) moving, taking command and control of that effort, was a great step in the right direction for the Navy. The Fleet Integration and Transition Team (FITT) did great work in laying out what NGEN needed to do to support the fleet. I think that was one of the better efforts across the Navy in a major acquisition that captured the operator and the fleet perspective to a really high degree.

Our NGEN hiring effort was a resounding success. Despite everyone telling them it couldn't be done, our manpower and comptroller teams brought 307 civilians on board in about seven months. That is an incredible accomplishment given the way our current human resources processes work. The success of the NGEN hiring effort played a key role in mission readiness for the NGEN transition.

And I'm very proud of how we've handled the reorganizations we've gone through. I would give the entire CYBERFOR and NETWARCOM staffs an A+ for not missing a beat on mission while working through several reorganizations based on Navy requirements to increase the emphasis on cyber. This is a business area with tremendous growth. They've handled all that with few additional resources, yet they keep getting the work done.

As you begin your new assignment as DON CIO, how has your work here prepared you, and what will you take with you that will most significantly assist you in your new role?

This has been a tremendous learning experience for me. It's been very different from my previous experience, in that it was a TYCOM role, and more focused in cyber and Information Technology. I had the opportunity to work with key professionals across the staff functions here who helped educate me on everything from resources to people to strategic planning to business transition.

A prime takeaway: Remember the Fleet – Remember the Operators – Remember the People.

I think it is easy – not intentional – but it is easy at the higher levels to think about the processes and the fiscal issues. You have to; they're important. The main thing from my experience here that will help me there is to remember that all those processes and issues are tied back to people and to the fleet being able to execute its mission. So bringing that perspective to DON CIO – I could not have done that without having this job.

I told the DON CIO staff on Day One: you have to think about "operationalizing" your policies, your rules, your guidance – and you've got to communicate with the operators to do that. We won't write policies in which we haven't thought about how the people who actually have to do it are going to do it.

What are your thoughts about the future of Navy Cyber Forces?

The work that the Navy Cyber Forces domain carries out is going to become more important and is going to grow, so I'd say the future is bright for the people here and the work being done. How it's organized may change. As many people know, there is some discussion about the best structure to put into place. The Chief of Naval Operations and other Flag officers are looking at that. You've got the very senior people in the Navy spending their valuable time thinking about this – that ought to tell us that it's some of the most important work going on in the Navy today.

NRL Scientist Commemorated in Launch of Namesake, USNS Howard O. Lorenzen

By Daniel Parry, Naval Research Laboratory

WASHINGTON, DC – Christened June 26, USNS Howard O. Lorenzen (T-AGM 25) is the second ship in U.S. Navy history to honor a Naval Research Laboratory (NRL) scientist for contributions made to naval and civilian scientific research.

Developing devices to detect, deceive and otherwise jam enemy radar, Dr. Lorenzen earned the distinction as the "Father of Electronic Warfare."

Operated by the Military Sealift Command the missile range instrumentation ship, will replace the USNS Observation Island launched in 1953. Lorenzen is equipped with a new dual band phased array radar system and other advanced mission technology.

In a career that spanned 33 years at the Washington-based NRL, Dr. Lorenzen developed radio countermeasures that could exploit detected or interrupted electromagnetic transmissions for military purposes, intelligence gathering and electronic countermeasures — a pioneering concept that was the genesis of modern day electronic warfare.

"Dr. Lorenzen understood and the Navy realized the value and relevance of not only detecting enemy radio and electronic transmissions, but that recording, analyzing and deciphering these transmissions and developing intuitive countermeasures would prove to be an integral and vital function to the future of national security," said Pete Wilhelm, director, NRL Naval Center for Space Technology.

Following the formal ceremonies at VT Halter Marine, Pascagoula, MS, the 12,575 ton, 534 foot ship will be home to a crew of 88 and will host embarked military and civilian technicians and mariners from other U.S. government agencies. Missile range instrumentation ships provide a platform for monitoring missile launches and collecting data that can be used to improve missile efficiency and accuracy.

Official U.S. Navy Photo

Susan Lorenzen Black, daughter of Dr. Lorenzen, christens the Navy's newest missle range instrumentation ship named in her father's honor.

Officers Required to Have Full-Length Photo on File

From Navy Personnel Command Public Affairs

MILLINGTON, TN -- Officers are still required to have a full-length photo in their military records.

NAVADMIN 103/07, released in April 2007, reinstituted the requirement for officers to submit photographs for their permanent service records.

"While there may be limited opportunities for officers to have a photo taken professionally, there is a simple way to accomplish this requirement using materials and equipment available [a white board, a digital camera, and a plain wall]," said CAPT Leo Falardeau, Navy Personnel Command (NPC) assistant commander for Career Progression.

Per the instruction, write the required information on a piece of paper, poster board or white board in two-inch letters (can be hand-written).

LAST NAME, FIRST NAME, MIDDLE INITIAL
GRADE/SSN LAST FOUR/DESIGNATOR(S)
DD/Month abbreviation/YY (for example: 09 OCT 10)

Take the white board, poster or paper along with a digital camera and a shipmate into the passageway. Stand against the bulkhead (left shoulder forward), while a shipmate takes the full-length photo.

The photograph (per MILPERSMAN 1070-180) must be in color and encompass a full-length, three-quarter view of the member, left shoulder forward. A plain, flat background provides sufficient contrast to highlight details of the uniform. The photo must be four inches in width and six inches in height.

Save the picture to a hard drive, then copy and paste it into the submission form (link below). Type in the requested information, print the form with the picture and then sign the form.

Mail the completed, signed form to:

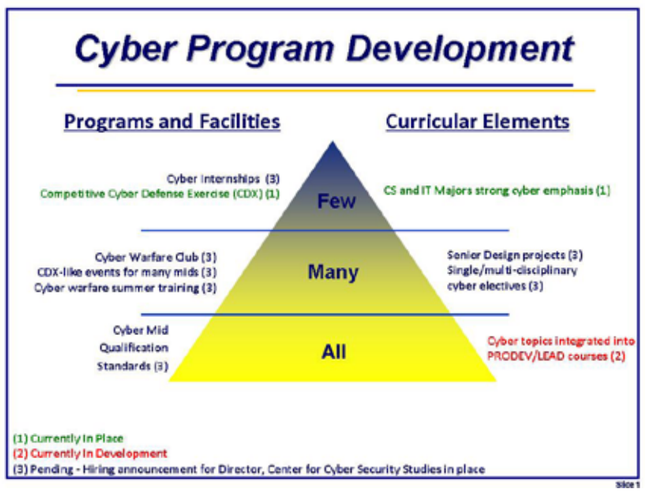
Navy Personnel Command
Pers-312
5720 Integrity Dr
Millington, TN 38055-3120

NAVPERS form 1070/884 is available at http://www.npc.navy.mil/ReferenceLibrary/Forms/NAVPERS/.

Board schedules can be viewed at www.npc.navy.mil.

Naval Academy Seeks to Broaden Cyber Programs

By MCC(SW/AW) Kristen D. Loeding, NETWARCOM Public Affairs



Technology and cyber/information warfare are rapidly growing areas and the Navy is seeking ways to ensure Sailors remain trained and qualified to meet the growing trends in the cyber warfare environment.

The U.S. Naval Academy is no exception. They've recently added elective cyber security courses to the curriculum and the Academy's Superintendent, VADM Michael H. Miller, is looking at the Naval Academy becoming a center for cyber security education and producing graduates who are familiar with and can specialize in cyber warfare. He also recently announced plans to introduce an introductory cyber warfare course for next year's entering class.

The academy's proximity to the National Security Agency headquarters at Fort Meade, MD and the Pentagon in Washington, DC makes it a logical center for cyber security training.

In December 2009, the Naval Academy created a new Center for Cyber Security Studies (CCSS) which serves to enhance educational opportunities available to midshipmen, faculty and staff by supporting cyber security and cyber warfare training. Over the past year, the CCSS has teamed up with the National Security Agency and the National Defense University to set up internships for midshipmen.

The academy is pilot testing two new cyber security elective courses: Cryptography and Network Security and Computer Forensics. Another course, Fundamentals of Cyber Security is also being pilot tested. It's open to all midshipmen to prepare them, regardless of major, in the fundamentals of cyber warfare.

USS Bush Intelligence Team Certifies for Deployment

By LTJG Segio Wooden, Center for Naval Intelligence Public Affairs

VIRGINIA BEACH, VA – The aircraft carrier USS George H. W. Bush (CVN 77) intelligence team completed its first of four Intelligence Team Trainer (ITT) certifications at Naval Education and Training Command's (NETC) Navy and Marine Intelligence Training Center (NMITC) Sept. 17.

The ITT is a milestone for Bush as the carrier prepares for its maiden deployment. Certifications such as the ITT are designed to provide intelligence training in a realistic shipboard environment. All deploying carriers and their air wings are required to complete four ITTs before receiving final certification and approval to deploy.

During the ITT, Bush's intelligence team honed skills and learned how to operate as a team during the various training scenarios.

"Through the scenarios, the watch teams developed and refined critical skills and operating procedures that directly support tactical decision makers during inter-deployment training cycles and fleet readiness training plans," said IS1(SW) Nancy Grant, NMITC ITT facilitator.

NMITC instructors taught Bush's Intel team in a team-training laboratory using group-paced applications. The instructors guided the watch teams during practical applications to facilitate maximum acquisition of knowledge, critical skills and intelligence center operating procedures. This included identifying priority intelligence requirements and contacts of interest, maintaining a tactical intelligence plot as part of an operation, and providing actionable intelligence to carrier strike group and amphibious ready group commanders. Watch teams employed shipboard intelligence systems to receive, process, and disseminate intelligence data to support tactical operations in projected operational areas.

"The ITT staff receives feedback via end-of-course critiques and end-of-training round tables," said CTT1(SW/AW) Jeffrey P. Andrasak, NMITC ITT facilitator and team cryptologic lead. "That feedback is then incorporated into the ITT scenarios aiding in more realistic scenarios and training environments."

The ITT is the first of many steps that the Bush and its intelligence team will have to undergo prior to deployment. "The certification provided the intelligence team an opportunity to grow, develop and learn in a controlled environment," said LT William Blanks, NMITC's ITT department head. "The lessons learned from the scenario-based instruction are skill-sets that Bush's intel team will use throughout its carrier and air wing training and certification period."

"This was a great opportunity for us to see how far we've come as a team," said CDR Tina Simington, Bush's senior intelligence officer. "This group of intelligence professionals has had to help build this ship from the deck plates up and it has been a great opportunity to see how much we've developed, but also how much further we must go with our training."

Because the ship's intelligence team is fairly new, Simington sees the ITT as necessary training to help them acclimate to shipboard operations.

"We only have one intelligence specialist with previous carrier experience, so we had to be creative in our preparation for the ITT," added Simington. "We developed our own scenarios and took advantage of every available training opportunity to prepare for these exercises."

"The ITT helped us. It was pivotal to establishing a good working rapport with the air wing, ship's company and the staff," said CDR Tracy Vincent, assistant chief of staff for intelligence, Carrier Strike Group Two.

"We are very confident and excited to show what we know and to show the rest of the fleet what to expect from its newest and greatest carrier," said Simington. "We were successful because of all the hard work put in by all of our Sailors."

For more information about the Naval Education and Training Command, visit https://www.netc.navy.mil/

For more information on the Center for Naval Intelligence, visit: https://www.netc.navy.mil/centers/cennavintel/.

LETTERS FROM THE GROUND

"Salaam Alekum"...

Greetings from Kabul,

This is my second tour in Afghanistan. I knew when I left after my tour at Combined Security Transition Command-Afghanistan in April 2008 that I would be back; it was only a question of when.

I arrived in early June at International Security Assistance Force (IASF) Joint Command (IJC) located at the Kabul International Airport. When I had last walked the ground that IJC occupies, it was nothing but sand, dirt and rock. Today it's a busy three-star headquarters led by Army Lt. Gen. David M. Rodriguez, that has a sort of chaotic energy to it.

IJC oversees the day-to-day operations of Coalition Forces in Afghanistan; this focus allows the ISAF Commander, Army Gen. David Petraeus, to focus on strategy in Afghanistan and across the region. IJC has about 1300 personnel from the 43 member nations. This international coalition focused to disrupt, degrade and dismantle the al-Qaeda network, but also provide a secure environment in order to support improved governance and development in Afghanistan.

Official U.S. Navy Photos

I volunteered for the Global War on Terrorism (GWOT) Support Assignment (GSA) orders as the IJC Theater Information Assurance Manager but was retasked upon arrival as the CJ6 Current Operations Officer, I couldn't be happier. I direct, integrate and synchronize the daily operations and reporting for all CJ6 while also maintaining situational awareness of all Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) operations, missions and current initiatives at the headquarters and our six regional commands to ensure communications and network connectivity issues are identified and resolved as expeditiously as possible. As you can imagine, I'm rather busy as the operations tempo is always high.

My daily interfaces with various supporting commands, organizations and contractors keeps me on the move and has allowed me the opportunity for time "outside the wire." Kabul has changed in many aspects from a few years ago. The streets are vibrant with activity, the traffic is usually snarled, and construction is going on everywhere within the capitol. Security in Kabul is tight, with scores of armed Afghan Soldiers and police on the streets. Scenes of open air markets, jingle trucks, trash piles, herds of goats and sheep on the sidewalk, and children going to school are the typical sights as you convoy through the city. The biggest thing I remember each and every time I leave the wire is that we are - really - still at war. Our nation's finest, especially our GSA/Individual Augmentee (IA) Sailors, chiefs and officers are out here fighting in it and getting the job done.

The summer was relatively hot but now fall has arrived. The air is getting cooler, snow is beginning to cap the mountains that loom over the city and my "Time in A-Stan Countdown Ticker" tells me I have less than seven weeks left. I'm thankful that in my view, time has gone by quickly. I truly have never worked this hard or at this pace in all my time in the Navy. Don't get me wrong -- I am not complaining. I love this assignment and the camaraderie with my International Band of Brothers but really, being half a world away from home takes a toll. My four-year-old son Joshua wants Santa to bring Daddy home for Christmas – I need to make sure his wish comes true.

In some ways I am looking forward to completing this tour. Things I'm looking forward to at home: my family, normal work hours, weekends, fast internet, and home-cooked meals. Things I look forward to leaving behind: dust, sand storms, never-ending flies, air quality and sewage smells, watching the NFL at midnight, and having to carry my weapon everywhere. I could probably come up with many more, but those are the highlights. Regardless, my two tours in Afghanistan are by far the most rewarding deployments I've ever been on.

For those of you "Over Here," stay focused, stay engaged and always check your six. For the rest of you, I'll see you back in the fleet.

EDITOR'S NOTE: ***LCDR Don V. Wilson, USN, is currently assigned as the Current Operations Officer for J6, International Security Assistance Force Joint Command in Kabul, Afghanistan. He previously served as the Information Systems Officer on board USS New York (LPD-21) and has 23 years of service. Wilson is a 6420 Limited Duty Officer, qualified as both a Surface Warfare Officer and Information Dominance Warfare Officer.***

Graphic Illustration by MC2(SW) Joshua J. Wahl

CYBERFOR Markets Navy's Newest Force at Premier Information Event

From CYBERFOR Public Affairs

SAN JOSE, CA – For the first time ever, members from Navy Cyber Forces (CYBERFOR) sponsored an information booth at the San Jose Convention Center during MILCOM (Military Communications) 2010, Oct. 31 – Nov. 3.

"As a new community within the Navy, our primary purpose at MILCOM was to inform visitors of our mission and who we are," said ITCM(SW) Gary Myers, CYBERFOR Senior Enlisted Adviser. "And that's what we did throughout the four-day conference."

U.S. Army Lt. Gen. Dennis L. Via, director of Command, Control, Communications and Computer (C4) Systems (J6), the Joint Staff, was one of many featured speakers at MILCOM 2010. He is the principal advisor to the Chairman of the Joint Chiefs of Staff on all C4 systems matters within the Department of Defense.

Commander of the Space and Missile Systems Center at Los Angeles Air Force Base, U.S. Air Force Space Command's Lt. Gen. Tom Sheridan, and Fusion-IO chief scientist and Apple Computer co-founder, Steve Wozniak, joined Via in kicking off the conference

Lockheed Martin and the Aerospace Corporation served as corporate hosts in coordination with conference co-sponsors, the Armed Forces Communications & Electronics Association (AFCEA) and the Institute of Electrical and Electronics Engineers (IEEE) Communications Society.

Now in its 29th year, MILCOM is one of the largest government/industry conferences in the world, and the premier technical communications, networking and information-sharing event of its kind.

More than 5,000 people from 30 countries attend this annual gathering, which draws professionals from government, scientific, academic and engineering communities, contractors, allies, and top international educational institutions.

This year's conference hosted three executive panels and 24 technical panels covering topics such as advances in information technology, military satellite communications, radio waveforms and cyber security.

There were also in-depth tutorials addressing commercial wireless networking, cyber security and virtual wargames, digital video broadcasting, quantum communications, and coding and transport of motion imagery data. Panels and tutorials were also offered for unclassified and classified audiences.

For more information on MILCOM events go to: http://www.milcom.org.

Photo Illustration by MC2(SW) Joshua J. Wahl

NIOC Hawaii Cryptologic Chief Shares IA Experience

By CTI1(AW/NAC) Jennifer Schooley, NIOC Hawaii Public Affairs

Official U.S. Navy Photo

CTRC(SW/AW/EXW) Tabitha Henry in Iraq

CTRC(SW/AW/EXW) Tabitha Henry departed Naval Information Operations Center (NIOC) Hawaii, for her Individual Augmentee (IA) in December 2009. Leaving behind the comforts of Hawaii, she began her training at Navy Mobilization Processing Site (NMPS) Norfolk, VA, followed by a brief class in Maryland, and then a month at Fort Dix, NJ. Her favorite part of the training was the time spent on the range.

She arrived Apr. 10 at Camp Ramadi in the Al Anbar province of Iraq. While it is located near the Euphrates and Tigris Rivers, it is not the same as looking at the Pacific Ocean from Waikiki Beach.

Although she had no opportunity to interact with the local population for volunteer work, she feels she's made a positive impact in Iraq. "My greatest successes have been seeing tangible results of my work in direct action," said Henry. Being a senior non-commissioned officer in Iraq comes with its increased responsibility. According to Henry, "My biggest challenge has been keeping an eye on my Sailors who are spread between three detachments,"unlike NIOC Hawaii where her Sailors were working in the same building.

On her deployment, Henry earned her Enlisted Expeditionary Warfare specialist (EXW) qualification, based on her experience serving in a maritime security/maritime combat related role. Core qualification skills required for the EXW include weapons qualification and maintenance, marksmanship, land navigation, field communications, and expeditionary camp deployment.

Henry's deployment to Iraq was a rewarding and eye opening experience. Her advice to Sailors considering an IA tour is to do it. "It's beneficial to get out of your comfort zone." Having been out of her comfort zone for almost a year, Henry confided that upon her return, "Dinner at the Melting Pot sounds like a plan!"

FEWC Dep Dir Achieves Personal Goal at Ironman Triathlon

Official U.S. Navy Photo


Official U.S. Navy Photo

By George D. Bieber, CYBERFOR Deputy PAO

Kailua-Kona, HI – To Fleet Electronic Warfare Center's (FEWC) deputy director, CDR Kristin M. Barnes, the term "Ironman" means much more than a comic book character or a movie. It has meant intense training and tough competition in the granddaddy of triathlons, the 2010 Ironman World Championships, also known as the Ironman Hawaii held Oct. 9.

More than 1,800 men and women participated in the competition which has become triathlon's Super Bowl, Wimbledon, World Series, World Cup and Tour de France all rolled into one.

"What makes this event so unique is that 'average' people get to compete alongside the best in the world; swimming 2.4 miles against ocean currents, cycling 112 miles and running 26.2 miles over challenging lava-covered terrain," said Barnes, who finished 38th in her age category after running Ironman events in 2007, 2008 and 2009

For the 40-year-old Vermilion, OH native, this year's Ironman was personally rewarding. Not only did she best her 2008 Ironman Hawaii time of 11 hours and 47 minutes by three minutes, but she passed the Army's representative two and a half miles shy of the finish line.

"The only military services that beat me were the Air Force and Coast Guard runners," she said, "… they were younger."

Long before she entered the Naval Academy at Annapolis, MD on Jul. 6, 1988, Barnes participated in volleyball and track during the school year and softball during her summers. While at the Academy, Barnes participated on the cycling team and even ran a few marathons.

"When your father is the school's wrestling and cross-country coach and you have four siblings, you either participate in one or more sports or you get left behind," said Barnes. "I first became hooked on triathlons back in 1982 when I saw an Ironman competition on TV."

For Barnes and other triathletes, there is no bigger day in this sport than the Hawaiian event. It is the race that defined their sport as it came of age back in 1977, and continues to be the defining race for any avid triathlete.

To get to the starting line, competitors must either be very lucky and get a spot through the lottery, or be very talented and win a qualifying spot at one of the qualifying events held around the world, or in Barnes' case … be sponsored by the Navy's Morale, Welfare and Recreation (MWR) after completing an application and providing results from past triathlons.

She also iterated that military members need the support she has had from her current and past commands. "Naturally you need the talent and then you need to make the cut," she added, "but more importantly, you need your command's support to allow you time to train as well as time to compete."

"The dedication and determination commander Barnes displayed in the 2010 Ironman World Championship is truly remarkable. I and the entire command are very proud of her," said CAPT Gregg Smith, FEWC's Director.

As a naval aviator, Barnes has deployed seven times in her 22 years of service … five on carriers and two on shore; Bahrain and Kuwait. And she has seen her share of the world while competing in a host of triathlons, varying drastically in temperatures as well as terrain.

Most recently, Barnes changed-up her training for her next Ironman event this coming May 7, in St. George, Utah leading to completion of her semi-annual Physical Fitness Assessment for the Navy. She was named Navy Cyber Forces' top runner overall with a time of 10 minutes and 11 seconds.

According to Barnes, the Navy's sports program is always looking for members, both enlisted and commissioned. "You don't know whether or not you can participate in a sport unless you ask," said Barnes. "Get out and do stuff and if something opens up that you enjoy and feel competitive in … grab it!"

Old Crows Honor NIOC Whidbey Island – Again

By CTR1(IDW/NAC/AW/SW) Cris Dominguez, NIOC WI Public Affairs

Navy Information Operations Command (NIOC) Whidbey Island was recently awarded the 2010 Association of Old Crows (AOC) Outstanding Navy Unit Award for Shore Installations at the 47th annual AOC Convention held in Atlanta.

This is the second consecutive year that NIOC Whidbey Island has won the award for excellence in Electronic Warfare (EW) and Information Operations (IO).

"Winning once is a tremendous achievement," said RDML William A. Leigher, deputy commander, U.S. Fleet Cyber Command and 10th Fleet, in a congratulatory letter to the command. "Two years in a row is a testament to the tenacity and perseverance by your entire crew of talented Sailors."

Earlier this year, LT William Norgaard, air operations department head, was selected as the winner of the AOC Joint Award (Navy), and CWO3 Timothy Echeverio, NIOC Whidbey Island Operations, was chosen as the AOC Technical Analyst of the Year, both as a result of their performance during deployments in support of Operation Iraqi Freedom.

This year also marked the first year an award was given for shore installations. In 2009, NIOC Whidbey Island became the first shore command to win the unit award that historically went to ships and air squadrons.

All AOC awards are highly competitive, and recognize individuals and units that have furthered the aims of the Association of Old Crows in support of EW and IO.

"I am very proud of the hard work of NIOC's Sailors," said NIOC Whidbey Island's Commanding Officer, CDR William Dodge. "It's amazing to be the first NIOC to win the award; and it's even more incredible to win it back to back."

EDITOR'S NOTE: *NIOC Whidbey Island Sailors and civilians provide operational commanders with highly adaptable electronic warfare solutions to achieve radio frequency spectrum superiority. The Sailors develop new concepts, methods and processes to sustain electronic warfare effectiveness, while keeping pace with technological evolution and warfare challenges.*

The command deploys Sailors to carrier and expeditionary strike groups, fleet expeditionary electronic attack squadrons, and fleet marine electronic attack squadrons supporting the Global War on Terrorism, as well as maintaining a cadre of EP-3E weapons and tactics instructors.

AOC has members in 47 countries with 69 chapters in 20 countries. AOC's membership includes executives, scientists, engineers, managers, operators, educators and military personnel. Founded in 1964, AOC is headquartered in Alexandria, VA.

Operation CARS - Continuing Pursuit of Navy IT Transformation

From CARS Public Affairs

CARS Accomplishments

Operation Cyber Asset Reduction and Security (CARS) has successfully completed FY10 mission goals with a laser focus on reducing the Navy's IT ashore network footprint, improving Navy's IT security, and preparing the Navy for Naval Networking Environment (NNE).

The concerted efforts of CARS supporting commands and supported commander's task force have made significant progress toward meeting the desired effects of Chief of Naval Operations' (CNO) Operation CARS.

As of Sept. 30, 939 legacy networks were terminated, including elimination of all associated network servers (e.g., domain controllers, print/mail servers, etc.) and migration of 1,076 application servers from legacy networks into a single enterprise network.

CARS Leadership Change

Charles Kiriakou took over the CARS leadership position from Neal Miller in January 2010. Miller's contributions to the CARS overall mission success and exemplary leadership skills resulted in CARS recognition as a 2010 Department of Navy Information Management/Information Technology (IM/IT) Excellence Award winner and one of six case studies featured in *"The Business of I: How to Improve Service and Lower Costs"* book by Robert Ryan and Tim Raducha-Grace.

Miller moved to a new leadership role as Naval Network Warfare Command's (NETWARCOM) assistant chief of staff for Network Assurance and Chief Information officer (CIO) after the establishments of Fleet Cyber Command and Navy Cyber Forces (CYBERFOR). Miller still works closely with Operation CARS effort and will assume Excepted Network governance after CARS named operation ends in September 2011, per the CNO's CARS Warning Order.

Kiriakou, who has been with the CARS Task Force since its inception in 2006, was ready to take the helm when Miller began his new position. Kiriakou previously served as the CARS Information Assurance (IA) division head and CARS deputy director and is well-qualified to assume the CARS leadership role.

Kiriakou stated, "CARS has made great progress over the past three years, but much more work is needed to reduce the Navy IT footprint, improve security, and prepare for NNE. This mission is very important to the Navy and Department of Defense, and I'm happy to lead the charge."

Kiriakou will continue to work with all Navy organizations to continue to achieve Navy enterprise IT transformation.

"One of my favorite sayings of Neal Miller is 'you have to cooperate to graduate.' I believe cooperation is the only way the Navy can mature its IT portfolio and continue to deliver the required IT functionality, in a secure manner and efficient manner," said Kiriakou.

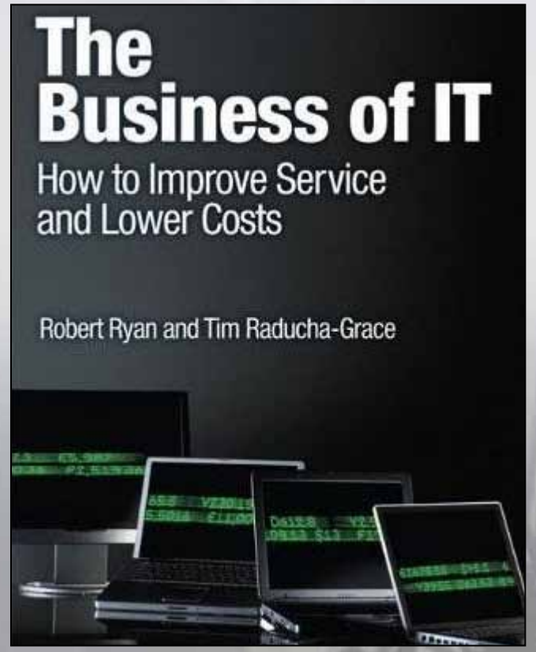
Excepted Network IA-CND Suites

The CARS team, with the help of Space and Naval Warfare (SPAWAR) Systems Center - Atlantic (SSC-ATL) and NETWARCOM's subordinate commands (i.e., Naval Computer & Telecommunications Area Master Stations (NCTAMS) and Naval Computer & Telecommunications Stations (NCTS)) deployed or upgraded eight centrally-managed Information Assurance - Computer Network Defense (IA-CND) suites in Bangor, WA; San Diego; Norfolk, VA; Jacksonville, FL and Washington, DC.

The Excepted Network IA-CND Suites continue to prove their value in improving security, as seen in the positive results from Defense Information Systems Agency (DISA) Command Cyber Readiness Inspections (CCRI), centralized Host-Based Security System (HBSS) deployment and management, and centralized Computer Network Defense (CND) sensor feeds to Navy Cyber Defense Operations Command (NCDOC).

Excepted Networks

The Excepted Network process, approved by Deputy Chief of Naval Operations (DCNO) N2/N6 has enabled first-ever enterprise IT decisions regarding which capabilities belong in an enterprise network and which ones can be approved to reside outside the enterprise.



To date, 220 Excepted Networks (EN) have been granted interim approval. The recent establishment of the EN Continuation Review Board (CRB) comprised of representatives from DCNO N6, NETWARCOM, and the owning Echelon II command, will approve or disapprove Echelon II requests for continuation of the required ENs to meet all requirements in the EN sustainment plan/final checklist.

Looking Ahead

FY11 will be another challenging year for Operation CARS, but the CARS team is up to the task. Clifford Bussey, CARS deputy Assistant Chief of Staff (ACOS), said, "CARS has been one of most challenging projects I've worked on in my 30-plus years with the Navy. It has also been one of the most rewarding, since we are seeing major accomplishments and transformation in Navy IT."

CARS FY11 major focus areas include but are not limited to:

- Termination of all remaining Navy CONUS legacy networks with approved reclamas.
- Termination of all remaining Navy OCONUS legacy networks and circuits.
- Review of all initially approved ENs for continuation of EN status.
- Continued re-homing of Navy CONUS NIPR and SIPR Excepted Networks behind a centrally-managed IA-CND suite.
- Align current centrally-managed IA-CND suite refresh and sustainment plans with overarching Navy enterprise IA-CND suite consolidation and standardization plans.
- Transition of ENs governance functions from CARS to NETWARCOM CIO.
- Transition centrally-managed IA-CND suite program management and oversight from CARS to CYBERFOR.
- Close-out Operation CARS, per the operation timeline established by CNO.

Even though the CARS named operation is scheduled to end in FY11, several functions must remain in order to maintain the security and IT gains accomplished since the inception of CARS, and continue the momentum of Navy enterprise IT transformation.

CYBERFOR Civilians Test Leadership Skills in Outdoor Venue

Story & Photos by Jacky Fisher, CYBERFOR Public Affairs

It's all fun and games until … a small group of senior civilian government employees get involved. Then the games turn into an effective training tool focused on leadership competencies such as learning how to be a better leader, an effective follower, and how to create a common language for both leaders and followers to use when influencing team behavior and individual performance.

Pivotal Ventures hosted the outdoor activities Nov. 4, which were coupled with classroom training sponsored by Training Human Capital Inc., in partnership with East Carolina University on the Virginia Weslyan College campus. Both curriculums are designed to either build a sound leadership foundation for GS-9 and below government employees or enhance a leader's ability to lead and be part of a team for mid- to senior-level employees and supervisors.

One outdoor activity used old fashion mouse traps as a learning tool. Team members set the traps to be arranged in a circle in a particular manner by 'the circle leader' while the rest of the team observed, supervised and offered guidance.

Goal: Mission accomplishment as a team with verbal and hands-on guidance in a predetermined timeframe.

Issue: Mouse traps are very sensitive and it doesn't take much to set them off. When that happened (and it did … often), the challenge was to see how fast the team could regroup, start over, aim for the same goal and still meet the deadline.

After the laughing and joshing ended, a group discussion followed each exercise focused on lessons learned. John 'Jay-T' Toomer, Navy Cyber Forces/N43, learned how to be a team builder as well as a team leader. "One important thing I realized about teams is [that] new team members don't immediately get to the level of a functional team. The team reaches down and picks them up to their level. I found this mindset to be extremely profound and saw it demonstrated … several times."

Building confidence and trust in oneself as well as imparting and placing the same in fellow team members and training staff was part of this course. Volunteers geared up in safety harnesses and climbed a ladder to hook up to wires stretched between two trees some 30 feet high.

Goal: Walk the wire from one tree to touch the other tree and then safely glide down landing on terra firma.

Issue: Thirty feet in the air!

Nervous laughter could be heard as each person started up the ladder. A sense of empowerment was experienced as each one glided safely to the ground. According to Kema Geroux, President of Pivotal Ventures, the training is designed to identify and enhance interpersonal skills including communication, decision-making, trust, problem solving and leveraging diversity, and to apply these skills in this newly forming group.

Amber Rose, Joint Forces Command/N7, recalled words she heard one of her team members say about doing the ropes – fear is 'nothing but a thang.' According to Rose, "Trust in your team members is imperative to success."

Contact Training Department specialists, Dan Deighan, Navy Cyber Forces or Stephanie Parker, Naval Network Warfare Command at (757) 417-6764 for more information about the Leadership Development Program.

(Clockwise from above) A leadership Development Program attendee slides down from her walk the wire experience. Another attendee sets mouse traps for an exercise in teamwork. Attendees see how fast a team can regroup start over, aim for the same goal and still meet deadline. Trust became an important part of yet another problem solving exercise. An attendee begins her walk the wire portion of the exercise.

CYBERFOR & NETWARCOM Sign Partnership with Portsmith Schools

Story & Photos by MC2(SW) Joshua J. Wahl, CYBERFOR Public Affairs

PORTSMOUTH, VA - U.S. Navy Cyber Forces (CYBERFOR) and Naval Network Warfare Command (NETWARCOM) formalized an educational partnership with Portsmouth Public School District during an official signing ceremony Oct. 21.

The Partnership in Education (PIE) signing ceremony highlights CYBERFOR's and NETWARCOM's Diversity Outreach Programs designed to inspire students in science, technology, engineering and mathematics (STEM) as career alternatives upon graduation from high school.

Each year, 300 students participate in the STEM program projects, following distinct pathways as they progress through classes in geographic information systems, biotechnology and robotic modeling and simulation.

Sailors and civilian staff members from both commands devoted more than 400 hours during the 2009 school year expecting to continue the educational momentum and further strengthen the bond with the partnership signing.

NETWARCOM Chief of Staff, CAPT Janet Stewart, addressed the importance of investing in the students' education.

"It is vital to America's future that we all invest in these young men and women because they are the leaders of tomorrow," said Stewart. "The Navy's greatest asset is its people and we will continue to need good people in order to stay strong."

Portsmouth City Schools Division Superintendent, Dr. David C. Stuckwish, highlighted the positive impact of the Navy volunteers' presence and providing positive role models for the children.

"Many students come from single family and nontraditional homes and it is important for them to see a success," said Stuckwish. "You cannot put a value on what you bring, it's priceless."

Director of Science for the Portsmouth Public School District, Laura Nelson, expressed her enthusiasm of the agreement during a tour of classes illustrating the various STEM programs and their curriculum.

"The volunteers have served us so well," said Nelson. "We look forward to this school year and are grateful for the Navy's part of this."

(Opposite Page) Portsmouth School Board Divisional Superintendent, Dr. David Stuckwish signs an educational partnership agreement with NETWARCOM & CYBERFOR as NETWARCOM Chief of Staff, CAPT Janet Stewart looks on. (Left) CYBERFOR & NETWARCOM Sailors and civilian staff members observe students during a science project at a Biotechnology Camp during a class tour at Churchland Middle School in Portsmouth, VA.

Cyber Domain Diversity Officer Received HENAAC Award

By MCC(SW/AW) Kristin D. Loeding, NETWARCOM Public Affairs

VIRGINIA BEACH, VA – LCDR Mark Venzor recently received the 2010 Hispanic Engineer National Achievement Award Corporation (HENAAC) Most Promising Engineer or Scientist - Advanced Degree Award during the "Tribute to our Hispanic S.T.E.M. (Science, Technology, Engineering and Mathematics) Military and Civilian Heroes" recognition ceremony.

Venzor is currently serving at Navy Cyber Forces (CYBERFOR) as the Force Diversity officer. During the past year, he implemented a domain-wide diversity strategy that integrates national and regional outreach, community service, mentorship, diversity training, and strategic communication in support of the Navy's and CYBERFOR diversity policy.

CYBERFOR Chief of Staff, CAPT Dee Mewbourne, said Venzor is personally committed to mentoring young people and enhancing diversity efforts across the domain.

"Mark truly believes in the importance of a well-run diversity and community outreach program," Mewbourne said. "He knows that valuing diversity enhances opportunities for all of our team members – which, in turn, optimizes team accomplishments. His focus on mentoring benefits young people by helping them succeed in school – and, these same students may one day take their place as servicemembers defending our country. He's very deserving of this important award, and we're certainly proud of his recognition."

Through various partnerships with the Navy and non-profit organizations, Venzor has conducted numerous motivational and educational presentations to youth. He serves as the National Historian for the Association of Naval Services Officers (ANSO) and as a Director on the National Board of Mexican-American Women's National Association (MANA), a national Latina organization. He's also developing his own non-profit organization to provide scholarships to young men and women who are active in their community.

For 21 years HENAAC has recognized the achievements of America's engineers and scientists within the Hispanic community. The purpose of the HENAAC award nomination process is to highlight and honor Hispanic success stories and provide role models to motivate students to pursue degrees and careers in science, technology, engineering and math.

(Left to right) LCDR Mark Venzor receives the 2010 Hispanic Engineer National Achievement Award Corporation (HENAAC) Award from RADM Patrick Brady, commander for Space and Naval Warfare (SPAWAR). (Official U.S. Navy photo)

Mass Pinning for Cyber Community

By MCC(SW/AW) Kristen D. Loeding, NETWARCOM Public Affairs

VIRGINIA BEACH, VA – Eighty-eight Navy officers were pinned with the new Information Dominance Warfare device Nov. 8 during a multi-command ceremony at Joint Expeditionary Base Little Creek – Fort Story.

"I'm very proud of all of you, this is truly an historic occasion," commented RADM Edward H. Deets, III, commander, Naval Network Warfare Command. "The Chief of Naval Operations' vision is clear; this is a warfare area and domain. Our Navy and the security of our great nation depend on your success."

Officers from the information professional, information warfare, intelligence, meteorological and oceanography, and space cadre communities were eligible for the pin after it was approved by the Chief of Naval Operations (CNO) in February 2010. According to newly pinned CDR Ansel Hills, Naval Network Warfare Command, eligible officers must complete a personnel qualification standard and board, as well as take and pass a Navy Knowledge Online course to prove they have the overall foundation for the qualification.

"Its name-brand recognition for our community," said Hills. "People will see the pin and ask about it and we have the opportunity to tell others about the program and how important cyber warfare is."

Cyber defense and the information domain are at the forefront of cyber warfare, and the Navy and Department of Defense are continuously improving and advancing their cyber communities. Fleet Cyber Command and 10th Fleet were created earlier this year as part of the CNO's vision to achieve the integration and innovation necessary for war fighting superiority across the full spectrum of military operations in the maritime, cyberspace and information domains.

"It is my belief, and the CNO's, that we need professionals who understand their specific skill areas, but they also need to have a broader perspective," said VADM. David J. Dorsett, Deputy Chief of Naval Operations for Information Dominance (N2/N6) and Director of Naval Intelligence (DNI). "We're trying to bridge the knowledge gaps between all of our information professionals, have people understand the environment, have them understand space and how space supports all of our activities, to understand the various elements of intelligence, cyber warfare, network management, and command and control."

RADM Thomas P. Meek, commander, Navy Cyber Forces added, "I've been in the Navy about 29 years and have heard the debate about information dominance throughout that time. The time is right that we developed this program and warfare device."

The Information Dominance Warfare (IDW) Program firmly establishes that information dominance is a warfare community and it represents the Navy's emphasis on cyber domain and information. Through the program the cyber community not only has professionals who understand their specific skill areas, but they also have a broader perspective.

Deets presented a challenge to those getting pinned. "As John Paul Jones said, 'It seems to be a law of nature that those who will not risk, cannot win.' Take risks and write this next chapter."

Photo by Robin D. Hicks

Graphic Illustration by MC2(SW) Joshua J. Wahl

IDW Officer 'Grandfather' Qualification Available on Navy eLearning

By Ed Barker, Naval Education and Training Command Public Affairs

PENSACOLA, FL – Veteran Information Dominance Corps (IDC) officers with significant experience and service are authorized accelerated qualification as Information Dominance Warfare Officers (IDWOs) through completion of the IDWO training module and test available on Navy eLearning (NeL) starting Sept. 28.

OPNAV Instruction 1412.13 includes an accelerated qualification provision allowing IDC officers with service prior to the inception of the IDWO qualification program a waiver from the formal qualification process. Details and specific time requirements to qualify for accelerated qualification vary by community.

"During the process of establishing the program, we recognized that many IDC officers already had significant experience and demonstrated service in their individual communities," said Deputy Chief of Naval Operations for Information Dominance, VADM Jack Dorsett. "In fact, most O-3s and above had already completed extensive community-specific Professional Qualification Program and Personnel Qualification Standard programs and boards that equated to the new IDC-wide qualification process. Officers that met select career experience criteria can log on to NeL and demonstrate their knowledge of the other communities in the IDC, earning them the qualification and pin. This approach is consistent with those used for the introduction of warfare qualification insignias in the past."

Specific guidelines and eligibility for the qualification waiver can be found in enclosure one of the IDWO qualification instruction and additional details on the program can be found in Naval Administrative Message (NAVADMIN) 328/10. Details on the standard (non-accelerated) process for qualification can also be found in the OPNAV instruction. Officers must pass the accelerated qualification test no later than Jan. 31, 2012 to qualify as IDWO via the accelerated method.

"We've seen significant interest in the IDWO module since the launch on Navy eLearning," said CAPT Hank Reeves, NeL project director, assigned to the Navy's Sea Warrior program. "Within the first week of it being available on NeL, there were over 2,000 completions and they are still going strong."

The IDWO qualification program and breast insignia were announced in NAVADMIN 058-10 in February, and work on qualification program, including the training module and test for accelerated qualification, immediately followed.

"We were challenged to go from the concept of accelerated qualifications to online completions in a very short time," said Sam Kelley, director of operations, Model Management Program, for the Center for Information Dominance. "Fortunately, the players from OPNAV, Navy Cyber Forces, Navy eLearning and the development working group all came together to make this happen. Looking at the rate of hits to the course and test, I think we can say it's been well-received."

The IDWO accelerated qualification module and test can be located through the Learning tab on NKO: https://www.nko.navy.mil.

For more information on the IDWO program, refer to NAVADMIN 328/10 and OPNAV Instruction 1412.13.

Cyber Sailors Eligible for New Information Dominance Warfare Pin

By MCC(SW/AW) Kristen D. Loeding, NETWARCOM Public Affairs

VIRGINIA BEACH, VA – Cyber Sailors now have an opportunity to keep in line with the Master Chief Petty Officer of the Navy's (MCPON) warfare specialty requirements through earning the new Enlisted Information Dominance Warfare Specialist (EIDWS) pin.

All active duty and full time support (FTS) enlisted personnel who are attached to an operational Information Dominance command with an approved EIDWS program are eligible to enroll in the program.

"MCPON Rick West has stated that it was his intent that all enlisted Sailors earn a warfare device," said FORCM(AW/SW) Jay Powers, Force Master Chief, Navy Cyber Forces. "Many of our IDC Sailors are not in a position to earn one of the other warfare devices, so the EIDWS represents a great opportunity for them. Earning the EIDWS pin also serves to make those eligible Sailors more proficient in Information Dominance Warfare (IDW) and more able to successfully contribute to their command's mission."

The Chief of Naval Operations (CNO) has widely discussed how vital the information domain is in today's maritime environment. In 2009, he directed the establishment of the Information Dominance Corps (IDC), comprised of more than 45,000 active and reserve officers, enlisted and civilian personnel from information-centric communities including Intelligence, Cryptology, Information Warfare, Meteorological and Oceanography, Information Professional and Space.

"With the growth of technology and cyber terrorists, the cyber arena is the new battlefield," commented Powers. "Considering that there were more than 360 million attempts to penetrate Department of Defense networks in 2009 alone, it is clear where today's most important battle is now taking place."

Getting the IDW program ready for launch took a year and-a-half of research and collaboration.

"The initial challenge in writing the Performance Qualification Standards (PQS) was getting the core group of cyber domain Subject Matter Experts (SMEs) together to figure out what information was needed to institute into the core PQS books," said MCC(EXW/AW) James Perkins, EIDWS domain coordinator. "We found that we needed to break away from the standard two-book format of the other warfare programs. We chose a three-book format with a common core, platform specific and a command specific, that was approved by MCPON."

More than 40 chief petty officers and SMEs throughout the domain made sure that line items, references and test banks were correct, so when the program went live it was as up to date and accurate as possible

According to Powers, cyber Sailors at commands where the EIDWS program is approved and functional, must meet certain criteria to earn their pin: demonstrate effective leadership and directing ability, have received at least one observed evaluation, be promotable during most recent reporting period, and complete PQS for initial qualification.

Eligible Sailors will complete the EIDWS (NAVEDTRA 43365) Common Core PQS, Platform Specific PQS, and Command Specific JQR/PQS. The Common Core PQS is available on the Navy Knowledge Online web site under the PQS portal/PQS 43300 series.

"With the growth of technology and cyber terrorists, the cyber arena is the new battlefield."

– FORCM Jay Powers, CYBERFOR

The warfare insignia was created to provide a common linkage among the IDC communities. It signifies the Sailor is competent in his or her rating, having acquired additional knowledge to enhance his or her understanding of the role of the IDC as it pertains to war fighting, mission effectiveness and command survivability.

The following types of operational units are authorized for the EIDWS program: Navy Information Operations Commands and Detachments (NIOCs/NIODs), Naval Computer and Telecommunications Area Master Stations (NCTAMS), Naval Computer and Telecommunications Stations (NCTS), Office of Naval Intelligence (ONI), and Naval Meteorology and Oceanography Center (METOC).

Commands that do not have an enlisted program and are not within CYBERFOR, Navy Meteorology and Oceanography Command (CNMOC) and ONI, but have similar missions, may request approval from the Force Master Chief to establish an EIDWS program.

Graphic Illustration by MC2(SW) Joshua J. Wahl

InfoDOMAIN Interviews CID Corry Station's CO

Official U.S. Navy Photo

CAPT Gary Edwards

INFODOMAIN: What was your last assignment before assuming command of Center for Information Dominance (CID) Corry Station?

EDWARDS: I was last assigned to the staff of the Office of the Secretary of Defense (OSD), where I worked in OSD Policy. I was responsible for coordinating policy issues relating to major weapons systems as well as training and personnel with the service chiefs and component commanders.

INFODOMAIN: CID is headquartered at Corry Station in Pensacola, Fla., but the domain is large. Can you elaborate?

EDWARDS: CID is challenged with training Sailors around the world. This includes those Sailors assigned to fleet concentration areas like Norfolk, VA; Hawaii; San Diego and Japan. Our goal is to ensure those Sailors who can't travel to Pensacola receive the right training they need to get the job done.

INFODOMAIN: You've been the commanding officer of CID for a little over a year now -- what is your overall impression of the job?

EDWARDS: My impression of CID is it's a great assignment! CID is one of the most dynamic training commands within the Navy. CID is responsible for training Sailors who operate in almost every warfare domain. It is exciting to know that our efforts here contribute to the success of war areas throughout the Navy. Equally exciting for me is having the honor of helping to mold young Sailors. CID responsibility includes providing training for Sailors directly after they complete recruit training. These young volunteers arrive eager and excited about serving their country, I am honored to help them start their Navy career.

INFODOMAIN: What is the mission of CID?

EDWARDS: Our mission is to develop warfighters by providing the right training, at the right time, in the right place to meet fleet requirements, using the very best of technology, innovation, science and theory for continuous personal and professional development of cryptology, information operations, and information technology personnel.

INFODOMAIN: What rates/ curriculum are being trained at CID?

EDWARDS: CID currently trains the following rates: Information Systems Technician, Cryptologic Technician Interpretive, Cryptologic Technician Maintenance, Cryptologic Technician Networks, Cryptologic Technician Collection and Cryptologic Technician Technical.

INFODOMAIN: What sort of skills or background would a person need to have if they were thinking of becoming a cryptologist or IT?

EDWARDS: Information Systems Technicians (ITs) design, install, operate and maintain state-of-the-art information systems. ITs perform the functions of a computer system analyst. They operate telecommunications systems including automated networks and the full spectrum of data links and circuits.

Cryptologic Technicians (CTs) control the flow of messages and information and also conduct electronic warfare. Their work depends on their special branch.

The Navy does not require Sailors entering these fields to have previous experience, although it helps. These fields do require above average entrance exam scores. In most instances, the Navy recruits young people who have very little experience in the rating to which they are assigned. Amazingly, within a matter of months, the Navy can turn civilians into highly-trained technical specialists.

INFODOMAIN: Approximately how many students (officer and enlisted) are trained at CID annually?

EDWARDS: CID trains approximately 20,000 Sailors annually.

INFODOMAIN: How long are they at Corry before being deployed?

EDWARDS: The length of time Sailors are assigned to Corry Station varies dependent upon the training. On average, Sailors are assigned here for 25 weeks.

INFODOMAIN: What do you think of the term "Cyber Warrior"? Is this an appropriate description of the students who are being trained at CID?

EDWARDS: The growing importance of cyberspace to nearly every aspect of how our country operates cannot be overstated; cyberspace is an important domain to our nation. Our adversaries know and understand this and are ready to attack and exploit this medium. As such, it is important that we prepare and properly train our Sailors to take actions to protect, defend and react in a manner that could and should be described as warfare. In my opinion Cyber Warrior is an appropriate description of what we expect of our Sailors.

INFODOMAIN: What role do you think CID will play in the future for the Navy?

EDWARDS: CID will continue to play a major role in helping to develop warfighters to meet fleet requirements. The only changes I foresee have to do with how we train. CID will have to always explore faster, more efficient ways to train using the very best of technology, innovation, science and theory.

INFODOMAIN: Hasn't CID been recently tasked with significantly increasing the number of students who are being trained annually? What do these increased numbers mean?

EDWARDS: CID has been designated as a learning center that will experience growth over the next few years. This growth represents our leadership's understanding of the importance of force needed to successfully operate in the information domain. Cyberspace operations are a key component of the joint combined arms fight.

Chief of Naval Personnel Visits Center for Information Dominance

Story & Photo by Gary Nichols, Center Information Dominance Public Affairs

PENSACOLA, FL – Chief of Naval Personnel (CNP) arrived at the Center for Information Dominance (CID) Corry Station Oct. 19 to visit the staff and receive an update on the command's activities.

"The skills and the abilities that are taught at this school are the foundation of the future of warfighting that we will do as a Navy and as a nation," said VADM Mark E. Ferguson III, CNP.

CID Corry Station is the Navy's learning center that leads, manages and delivers Navy and joint force training in Information Operations, Information Technology and Cryptology.

With a staff of more than 1,050 military, civilian and contracted staff members, CID Corry Station oversees the development and administration of more than 168 courses at 16 learning sites throughout the United States and Japan. Each year, the center provides training for more than 19,000 members of the U.S. Armed Services and allied forces.

"The importance of cyber operations, electronic warfare -- all the things that we are doing here -- are preparing a future set of leaders in the Navy who will go out and bring these new capabilities to an ever-important warfighting area throughout the fleet," Ferguson said. "We are making efforts to increase the throughout of all these schools and bring the very latest in technology and learning methodologies and concepts to prepare us for the future."

Several important new programs CID is helping to develop to meet those challenges are the Joint Cyber Analysis Course (JCAC), Information Systems Technicians of the Future (ITOF) and Digital Tutor (DT).

CID developed JCAC to help the Navy master the cyber domain. This 24-week intensive course provides joint cyber warriors with advanced technical background in computer network operations (CNO). During the course of their training, students learn to think logically and analytically, master a significant body of knowledge to tackle very complex problems, and fulfill tactical CNO mission requirements. Upon graduation they are well-equipped to serve in a wide range of roles and functional areas within the CNO community.

CID's new ITOF curriculum is helping to provide information superiority for the warfighter by aligning Navy Information Systems Technician (IT) training with Department of Defense 8570.1M directive certification standards, resulting in Sailors being fully developed as ITs, certified and capable of rapidly adapting to accelerated growth of IT systems in the future.

DT is a pilot program that is being tested at CID to model computer-based training for the next generation of cyber warriors. In partnership with the Office of Naval Research and the Defense Advanced Research Projects Agency (DARPA), DT has extensively studied how the best instructors teach and how they adapt to individual students. This information is then incorporated into a mild form of artificial intelligence, which will enable the DT to teach each student one-on-one in a computer-based environment.

Other important non-academic programs CID is responsible for include Navy Credentialing Opportunities On-line (COOL) and Center for Language, Regional Expertise and Culture (CLREC).

Navy COOL is a centralized, Web-based hub that consolidates information from numerous sources at the federal, state and local levels on certifications, licenses, apprenticeships and growth opportunities that correspond with each Navy rating, job and occupation.

Since 2006 Navy COOL has processed more than 28,000 credentials for Sailors. In 2010, the Navy COOL Website has received an average of 2.5 million hits each month.

CLREC provides cultural awareness and language learning for the fleet. In addition to coordinating all formal, foreign language training of Navy personnel conducted at the Defense Language Institute, CLREC collects foreign language training products and cultural information from sources throughout government, academia and industry.

This year, CLREC has delivered instructor-led training to more than 18,600 Sailors and provided training products and materials to approximately 121,000 personnel from the Departments of Defense and Homeland Security.

"This has been a great visit," Ferguson said. "I've been very impressed with everything I've seen -- from the enthusiasm of the students, their skills and ability, and the great dedication of the staff and the leadership here, it's just been a very impressive day for me."

NGEN
NEXT GENERATION ENTERPRISE NETWORK

Working Together to Transition to Future of Naval IT

NMCI CoSC Paves Way for NGEN Acquisition

From NGEN Public Affairs

The transformational and innovative Navy Marine Corps Intranet (NMCI) contract came to a close Oct. 1 when the NMCI Continuity of Services Contract (CoSC) took effect, marking the next phase in the network's evolution.

Over the next four years, NMCI CoSC — the follow-on contract to the NMCI contract that ended Sept. 30 — will enable the Department of the Navy (DON) to purchase the infrastructure, assets and Intellectual Property (IP) of NMCI, the largest enterprise network in the Department of Defense (DoD), while assuming Command and Control (C2) of the network, specifically Network Operations (NetOPs), Design and Technical Authorities.

As the DON assumes full ownership and control of the network, NMCI will transition to the Next Generation Enterprise Network (NGEN), acquired in a segmented approach which allows for the possibility of multiple vendors. NMCI has been operated by a single prime contractor, Hewlett-Packard (HP) Enterprise Services, formerly Electronic Data Services (EDS), since it was stood up in 2000. During this fiscal year, Requests for Proposals (RFPs) for the NGEN segments will be issued to cut over the first seats to NGEN in FY12; the full transition will be completed by 2014.

"NMCI was a hugely successful program for the DON in consolidating disparate, stove-piped networks into a single, modern, cost effective enterprise network with a high level of service that meets mission critical needs," said CAPT Scott N. Weller, NMCI program manager.

With the end of the 10-year NMCI contract, the DON decided to change the way the network operates, Weller said. "For NMCI, the DON chose to have the prime vendor supply the infrastructure; under NGEN, we wanted the ability to purchase it. The NMCI CoSC vehicle provides the ability to transition pieces of NMCI services to multiple contracts instead of a single contract. We also wanted the ability to purchase any information and any intellectual property that we need in order to go to NGEN."

The NMCI CoSC will enable that transition to NGEN, the next step in the evolution of the DON's secure, net-centric enterprise network. NGEN will maintain continuity of services of all of the capabilities that are currently available in NMCI while providing an increased level of government control and maintain information security while remaining within budget.

A critical milestone in the transition to NGEN was achieved in early October when the DON purchased the "Government Purpose Rights" (GPR) to the network's IP. Those rights allow the government to share HP's NMCI and NMCI CoSC IP with potential third-party successor contractors and the rest of the DoD.

The NGEN acquisition has been divided into five segments:

- Independent Security Operations Oversight and Assessment (ISOO&A) will provide the DON with an independent assessment of the security posture of the network.
- Transport Services includes network, Information Assurance security and testing services and infrastructure sustainment.
- End User Hardware includes computers, monitors and keyboards. The End User Hardware will be introduced as government furnished equipment via the technology refresh cycle.
- Enterprise Software License segment includes software for end users such as operating systems and office tools and must be able to support on-demand purchasing.
- Enterprise Services includes seat services such as desk side support and voice, video and data services and non-seat services such as email and messaging, application integration and hosting services, portal services and data storage services.

Over the next year, there will be three RFPs on the street, one of which will be awarded in FY11, said CAPT Timothy A. Holland, NGEN program manager.

The ISOO&A segment is the first of the RFPs to be released. That RFP is expected to be issued soon followed by the potential award in the third quarter of FY11.

At NGEN's October 2010 Industry Day to discuss the transport segment, Holland challenged industry participants to utilize new technologies in providing the same capabilities as NMCI at a lower price or more capabilities at the same price.

"I want you (industry) to be able to tell me that you can do it better and, by the way, 'I can give you a better performance for the same price or I can give you the same performance for a lower price'," Holland said. "If a vendor can come in and provide the same or better experience than the end user expects, I will incentivize you to provide that new technical solution."

As the transition to NGEN progresses, the majority of the changes will be internal, in a behind-the-scenes capacity, as the government takes over complete oversight, leadership and ownership of the network. With more than two years of preparation work already completed, the changeover from NMCI to NGEN will be seamless.

NGEN Preparation Highlights: People, Processes & Technology Update

From NGEN FITT

The Next Generation Enterprise Network (NGEN) program has experienced recent successes in its preparation for the transition to NGEN. In alignment with the Naval Networking Environment (NNE) ~2016 vision for a single secure network environment, NGEN is the first step towards the Department of Defense's (DoD) desire for net-centric capability management.

A key milestone in moving towards NGEN was the expiration of the 10-year Navy Marine Corps Intranet (NMCI) contract Sep. 30, 2010. In its place is the NMCI Continuity of Services Contract (CoSC) (see 'Working Together to Transition to the Future of Navy IT on the previous page, PM NGEN article, for more information), which, among other things, allows initial government command and control (C2) over the network – an element critical to mission success.

Mission success is accomplished by providing the operational commander with a holistic network operational picture and situational awareness (SA). NGEN C2 and SA depend on the combination and integration of three components: people, processes and technology. No single piece will be as successful without the others.

The Summer 2010 issue of InfoDomain (Strengthening NGEN through People, Processes and Technology) outlined efforts underway for developing the people, processes and technology. This article provides further information on progress and successes.

A new C2 workforce was funded for 307 civilians to work across the information domain enterprise, with a focus on network operations (NetOps). This workforce will support key functions in the initial government oversight gained in CoSC and is spread over Naval Network Warfare Command (NETWARCOM), Navy Cyber Forces (CYBERFOR), Navy Cyber Defense Operations Command (NCDOC), and Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMSLANT) in Hampton Roads, VA; NCTAMS Pacific (PAC) in Pearl Harbor, HI; and Navy Computer and Telecommunications Station (NCTS) San Diego.

Hiring efforts began in October 2009, and by the early spring, approximately 50 new civilians were on board. In April, CYBERFOR concurrently participated in a virtual career fair and issued a press release on NGEN hiring opportunities, which received media attention from Norfolk to Pearl Harbor. This attracted significant interest from qualified applicants and by late August, the C2 workforce reached 100. Hiring was steady through the late summer and fall, with over 250 new hires on board by the end of October. The remaining workforce is reporting on board through the first quarter of FY11.

This C2 workforce was put in place prior to the transition to NGEN to enable the workforce to prepare and integrate into the current environment. Information Assurance Workforce (IAWF) and Information Technology Infrastructure Library (ITIL) training requirements have been identified and resourced, affording the C2 workforce the opportunity to obtain requisite training and/or certifications as required during this transitional period. Available training has included:

- Microsoft Certified Professional (MCP)
- Security +
- Certified Ethical Hacker (CEH)
- Certified Information Systems Manager (CISM)
- Certified Information Systems Security Professional (CISSP)
- Global Information Assurance Certification (GIAC) Global Security Leadership Certification (GSLC)
- ITIL v3 Foundations, Service Operations, Continual Service Improvement (CSI), and Operational Support and Analysis (OSA)

The C2 workforce will also begin integration with the Information Technology Service Management (ITSM) process development efforts, which will produce the

... continued on Page 32

NetOps standards, policies and controls that will enable the DON to effectively operate and defend the network in alignment with the warfighter mission. These process teams are developing NetOps documentation such as Standard Operating Procedures (SOPs) for Event Management, Incident Management, Information Security Management, Access Management, Problem Management, Request Management and IT Service Continuity Management. Process team work is expected to be completed in Spring 2011.

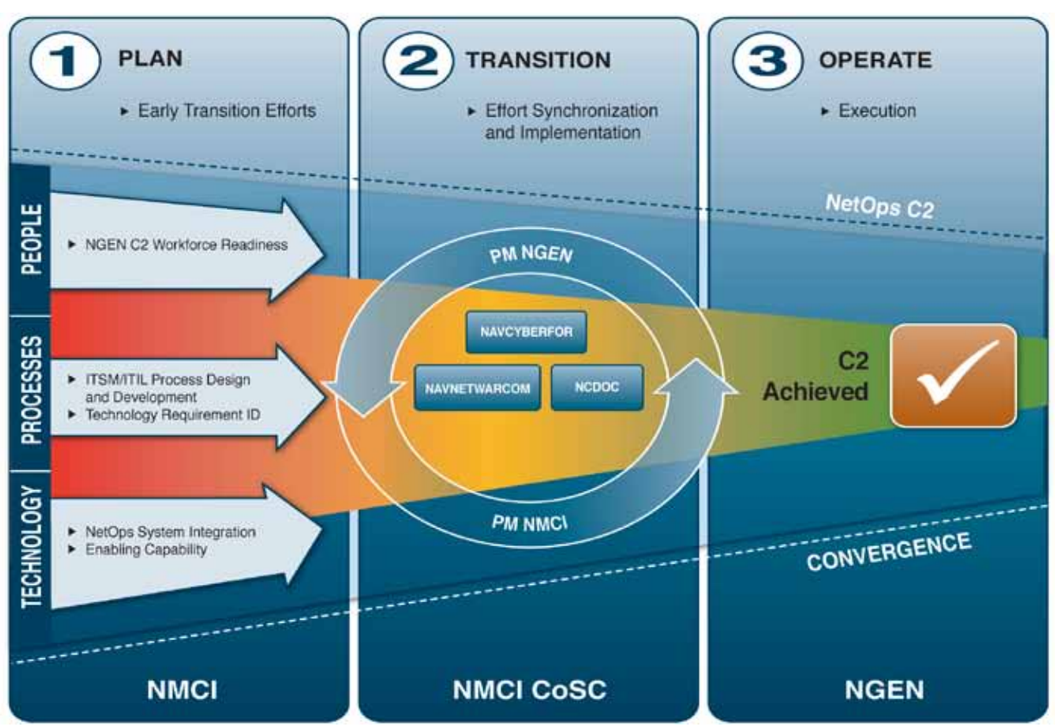
The ability to automate processes through technology enables process efficiency and allows for near real-time operational awareness. The Enterprise Network Management System (ENMS) is a decision support tool that enables an end-to-end approach to network management, service restoration and service delivery, and was being evaluated as a potential NGEN interface. With ENMS, network problem reports are automated, eliminating delays in the reporting process. This automated SA capability would allow network operators to better manage and defend the Navy's networks.

For several months, CYBERFOR, NETWARCOM, Program Manager NMCI, and Program Executive Office, Command, Control, Communications, Computers, and Intelligence (PEO C4I)'s Shore and Expeditionary Integration Program Office (PMW 790) participated in a Limited Objective Experiment (LOE) to enable watchstanders at the Global Network Operations and Security Center (GNOSC) to view Navy network outages and events in real-time through an ENMS display.

On Sep. 28, 2010, the LOE completed a successful demonstration of the ability to pass network service impacting events and Response to Operational Problem (RtOP) data from the NMCI CoSC environment to ENMS.

The LOE demonstration used limited scenarios, two of which were the degradation of Blackberry enterprise services and unclassified Microsoft exchange email services. The demonstation proved that as these services experienced problems, ENMS received computer-generated error messages, which had previously only informed network administrators. The result enabled GNOSC awareness of these problems as they occurred.

The success of the ENMS LOE demonstration, the stand up of the C2 workforce, and nearing completion of the applicable NetOps processes all contribute to the preparation for a successful transition to NGEN and the beginning of the ability to provide the operational fleet with a real-time NetOps picture. NGEN will arm the warfighter for success on the network-centric battlefield by enabling secure, reliable and adaptable global information exchange across the full spectrum of operations. And this success is enabled by the supporting people, processes and technology.



Network Operations Command & Control Transition

Team SPAWAR Leads IO Discussion at Cyber Symposium

By Steven A. Davis, SPAWAR Public Affairs

SAN DIEGO – Space and Naval Warfare (SPAWAR) systems command representatives provided insight into how the Navy can achieve its vision of Information Dominance at the National Defense Industry Association San Diego Chapter's fall symposium. The Oct. 4-6 symposium was designed to bring Navy, government and defense industry communities together to discuss the challenges associated with achieving information dominance.

Virtually every operation aboard a Navy ship – navigation, engineering, communications and weapons – relies on transfer of data. Therefore, the Navy is highly dependent upon the cyber domain to conduct its missions.

"The reality is that in a few short years, IT has transitioned from a support function to a strategic element of power in its own right. Without question, cyber has redefined the front lines of national security."

William J. Lynn III,
Deputy Secretary of Defense
Sept. 30, 2010 to the Council on Foreign Relations

"Our current communications and network infrastructure won't be able to handle the expected volume of tactical data we need to process and disseminate," said Terry Simpson, the principal deputy for intelligence at the Program Executive Office for Command, Control, Communications, Computers and Intelligence (PEO C4I). "We are working to design a mission capable infrastructure that gets assured information quickly into the hands of those at the tactical edge."

Simpson noted that operational forces, industry and the acquisition community all have a role to play. Success will depend upon increased innovation, speed of delivering capability and reducing total ownership costs of information technology systems throughout their lifecycles.

The acquisition process for traditional platforms, such as ships and aircraft, isn't agile enough for delivering cyber capabilities. "We are now operating in a cloud computing, service application environment," said Simpson. "Shrinking the time to deliver software intensive systems will require revisions in budget authority and programmatic emphasis."

RDML William Leigher, deputy commander at Fleet Cyber Command / 10th Fleet, discussed the need to change thinking from platform-centric warfare to cyber-centric warfare. Adversaries can probe U.S. networks because to do so is inexpensive and anonymous. It is estimated that 140 countries now have offensive cyber capabilities.

"If we can't ensure command and control, then nothing else matters," said Leigher, whose career is primarily based in signals intelligence. "We have to start looking at the network operationally."

Leigher noted that, like sonar operators, network operators must be able to "visualize" the network: understand what the normal state is, and differentiate between what may be an anomaly and what may be an indicator of intrusion.

SPAWAR Systems Center (SSC) Pacific, which works heavily in cyberspace and information dominance, offered insight into what lies ahead in communications and information systems, command and control, and intelligence, surveillance and reconnaissance.

In addition to collecting data through sensors and surveillance tools, SSC Pacific is working to provide ways for warfighters to more effectively analyze the information and aid in decision making.

Above all, there is a need for new thinking and new approaches to problems that will reduce total ownership cost while providing the best capability to the fleet. Low bandwidth, for example, is a key challenge in fielding technology for the Navy.

Brian Marsh, the department head for communications and information systems, said a new approaching could be the answer.

"We traditionally think about bandwidth purely as how many bits per second that we deliver to a platform, and I want to challenge us to think about bandwidth a little bit differently," he said. "It is not just how many bits per second that we deliver, but how we are using those bits."

The Navy made several key changes this year in recognition of the importance of information dominance. The Office of the Chief of Naval Operations (OPNAV) N2/N6 was realigned, Fleet Cyber Command was established and 10th Fleet was re-established to provide agility and better integration of information capabilities. In addition, the Information Dominance Corps was formally instituted. It includes approximately 45,000 military and civilian professionals in fields such as naval intelligence, cryptology, space and information systems.

Expert Shares insights on OPSEC & Social Networking

By Jacky Fisher, CYBERFOR Public Affairs

A picture is worth a thousand words. But it's what you can't see in a photograph that could pose a serious threat or security breach.

With the right software, some of which is standard and defaulted to be 'on' -- information like the exact date, time and place a photo was taken, or longitude, latitude, and even altitude –- can be collected.

Who would want that type of information? What photographs would be of interest? Where are these photographs found?

A terrorist scanning Facebook looking at the all-familiar individual augmentee (IA) photo that many servicemembers send home of themselves holding an M-16, clad in cammies, flak vest and Kevlar helmet, standing in front of something clearly not in the United States – this could pose a security breach. Family vacation photos posted on Facebook – the ones without the forward deployed service member – could represent a target of opportunity.

Military spouses learned this and much more from Lee Case, a member of the Navy Operations Security (OPSEC) Support Team located at Navy Information Operations Command (NIOC) Norfolk. Case was the second guest speaker at the Spouse to Spouse presentation sponsored by C.O.R.E., The Continuum of Resource Education, held Nov. 9 at Joint Expeditionary Base Little Creek-Fort Story.

Keynote speaker, Ellen Roughead, wife of Chief of Naval Operations ADM Gary Roughead, focused her remarks on volunteering and balancing work and life of a military spouse. Case's focus was OPSEC and Social Media.

Facebook, blogging and the gamut of social media was discussed with an eye towards OPSEC.

Normally, when 'targets' are considered, military members or military units come to mind. Lee assured the audience that families left behind can be targets too and, if targeted, are quite effective at demoralizing a forward deployed military unit.

"Think like the wolf. You're safe, you're home, but you may not be safe at home," said Case. "One of the best ways to strike a unit ... target the family."

Case makes her OPSEC and Social Media presentation to a variety of audiences ranging from teenagers to 'mom and dad' and military commands. She works extensively with Fleet and Family Service Centers. For more information on this topic or to schedule an OPSEC and Social Media presentation for your command contact the Navy OPSEC Support Team (NOST) at (757) 417-7100, or email opsec@navy.mil.

Official Photo by Naval Public Affairs Center

(Standing, far left) Lee Case, Navy Operations Security (OPSEC) Support Team memeber, addresses Social Media issues with military spouses during a Spouse-to-Spouse presentation at the Joint Expeditionary Base Little Creek - Fort Story.

Operations Security & Internet-based Capabilities

What's Your Acceptable Level of Risk?

By James Magdalenski, Director, Naval OPSEC Support Team

Over the past year, the Naval Operational Security (OPSEC) Support Team (NOST), located at Navy Information Operations Command (NIOC) Norfolk, has presented their popular "OPSEC and Social Networking" or Internet-based Capabilities (IbC) brief to more than 30,000 military personnel and family members.

Strike group staffs, ships, submarines, squadrons, shore commands, family readiness groups, Ombudsman assemblies, fleet and family service centers, high schools and leadership forums like the Continuum of Resource Education (CORE) recently attended by Mrs. Ellen Roughead, have all benefited from the information presented and hopefully learned how to better manage their Web presence. As the NOST gets more and more exposure as the Navy's "go-to" organization when it comes to OPSEC, we also receive more and more comments, questions and e-mails regarding the subject.

Recently, we received the following email: "Admiral's location a security risk? ADM (last name) uses a program called Foursquare which reports his location to his Facebook page. Apparently he left London and on Oct. 16, he was at the Navy-Marine Corps Memorial Stadium because it reported that (first name) just checked-in at Navy-Marine Corps Memorial Stadium (with three others) (Annapolis, MD)."

One of the first things we have to remember and remind people of, is that OPSEC is not about "Loose Lips Sinking Ships" or "Loose Tweets Sinking Fleets." Although catchy phrases, OPSEC is really a systematic process that identifies, controls and protects generally sensitive but unclassified information about a mission, operation or activity. This systematic process, also known as the OPSEC five-step process, is defined in several publications, including NTTP 3-54M/MCWP 3-40.9, the Navy and Marine Corps publication on OPSEC. The five steps with a few examples are:

Step One: Identify critical information (missions, specific ship's movement, capabilities)

Step Two: Analyze the threat (hostile countries with intent and capability, foreign intelligence services, criminals)

Step Three: Analyze vulnerabilities (unsecure communications, lack of awareness or training)

Step Four: Assess the risk (Threat x Vulnerability x Impact = Risk)

Step Five: Apply countermeasures (secure communications, training, shredding all paper)

Using the above e-mail about the Admiral on Foursquare, let's apply the five-step process.

- Step One: The critical information

... continued on Page 36

is the Admiral's real time location. His location a week ago is not critical or important.

- Step Two: The threat could possibly be anyone who wants to do harm to the Admiral. Knowing the local threat is very important and can usually be obtained from the local NCIS office or intelligence office.

- Step Three: The vulnerability is the Admiral posting his location in the open via Foursquare and Facebook in near real time, making him susceptible to the threat.

- Step Four: The risk is the possibility the threat will take action based on his location. The impact could be severe both personally and professionally (Threat x Vulnerability x Impact).

- Step Five: The countermeasure could be as simple as the Admiral deciding to stop posting his current location in the open via Foursquare.

The five-step process is how the NOST responds to questions like the "Admiral's location a security risk." The Admiral is obviously aware he is posting his location (critical information) via open social media (vulnerability), and hopefully aware of the threat in his location. Posting his location in near real time is a risk, but a risk the Admiral is willing to accept. Short of us informing him of this vulnerability and risk, there is nothing more we will do.

Another question we often get asked: "Why can the ship across the pier access Facebook but our ship cannot?" Like the Admiral's scenario, the same process applies. Each commanding officer (CO) assesses the risk of opening IbC or social media to the crew based on ship's mission or critical information, threat and vulnerabilities. As a result of their risk assessments, the CO's make the decision on whether or not to accept the risk.

As the Navy's OPSEC support capability, the NOST continues to press forward with the IbC / social networking phenomenon. Some of the initiatives include:

- Incorporating an IbC topic in the two-day Navy OPSEC course.

- Publishing weekly "best practices" on our Facebook page at www.facebook.com/NavalOPSEC.

- Developing additional OPSEC videos, training and awareness products related to IbC.

- Developing new IbC training on Navy Knowledge On-line (NKO).

- Updating the NOST Web and SharePoint sites at www.nioc-norfolk.navy.mil/OPSEC, to include posting ALNAV 056-10 and 057-10 on IbC.

In closing, I'll leave you with two questions and a quote from an unknown individual who made a comment about IbC, specifically Facebook.

First question: How much did you pay for your Facebook page?

Answer: Nothing, its free!
The quote: "If you are not paying for it, you're not the customer; you're the product being sold."

Second question: What's Your Acceptable Level of Risk?

For more information on OPSEC, contact the NOST at opsec@navy.mil or (757) 417-1700.

CYBERFOR Sailors Lend More Than Skills During Humanitarian Mission

By George D. Bieber, CYBERFOR Deputy PAO

America's Navy … A Global Force for Good … is more than just an advertisement slogan for two local Sailors.

IT1(SW/AW) Bernard Rayford, Navy Cyber Forces (CYBERFOR) Reserve Affairs budgeting and orders clerk, along with IT1(SW/AW) Kathy Sikes, a National Security Agency system administrator for CYBERFOR, received a set of Individual Augmentee (IA) orders to the Military Sealift Command hospital ship USNS Mercy (T-AH19) in support of Pacific Partnership 2010 (PP10) in April.

Both Sailors have more than 16 years in the Navy, but this was a 'first of its kind' for them.

"A typical deployment involves six months at sea with a few liberty ports," said Rayford. "However, this float was anything but typical. There were more than 11 stops during the five and-a-half months we were aboard this medical marvel, USNS Mercy."

Sikes and Rayford were originally attached to Mercy to design, operate and maintain state-of-the-art information systems for PP10, whether at sea or ashore. Each performed their daily functions of a computer system analyst and operated telecommunications systems including automated networks and the full spectrum of data links and circuits.

"We spent anywhere from five to 15 days at each port," said Sikes, who served as the Leading Petty Officer (LPO) for the ship's communications as well as LPO for the mobile communications required by the medical teams when they went ashore. "The entire operation was a challenge with only 15 of us to handle satellite communications, radio, messaging, computers and any other form of communications necessary for the medical experts to do their job."

Mercy had medical and dental personnel from 16 different countries around the globe with specialties ranging from pediatrics to geriatrics. Additionally, the ship's staff included members from other services; hence PP10 was more of a joint venture than Navy specific.

"The deployment required a higher skill set than what a typical IT would do," said Rayford. "I remember in Indonesia when I and a team of 24 others set up a medical site and saw more than 5,000 people over a four day period. Aside from keeping the lines of communication up a bunch of us painted schools and participated in some friendly sports activities with the local populace at a few of the ports."

Rayford jokes about some people's amazement over his skin color and having to touch his hair or have a photo taken with him. "I managed to even get a nickname at a couple of the locations," added Rayford. "I was often referred to as 'Ray Ray the rock star'."

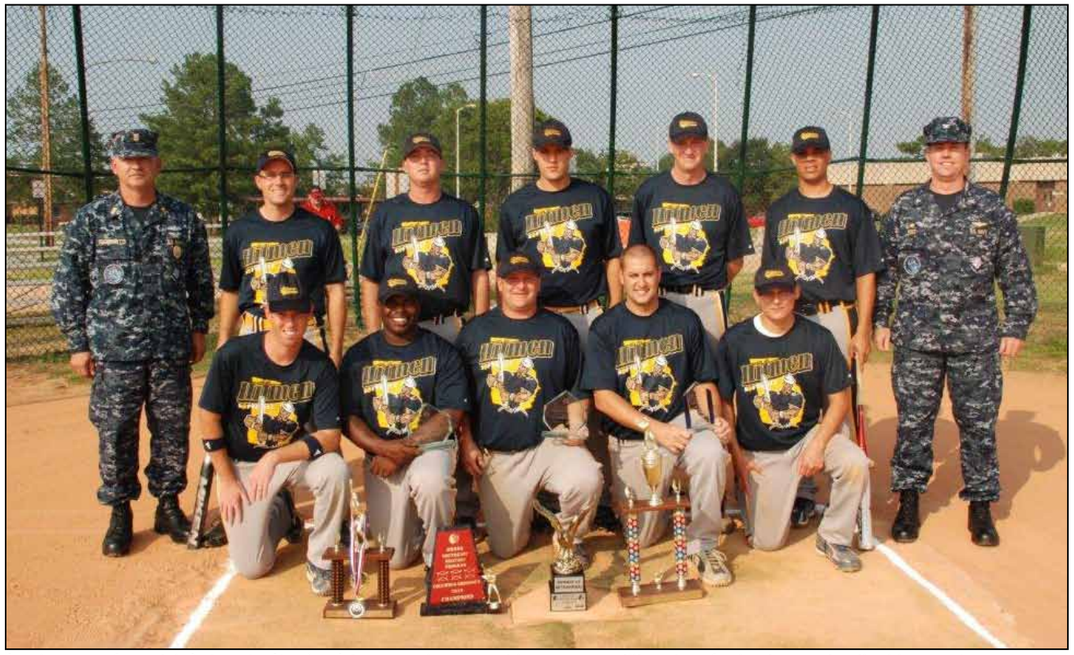
(Far Left) IT1 Bernard Rayford and a fellow shipmate pose with some Indonesian school children. (Official U.S. Navy Photo)

Sikes shared a similar experience, to include assisting medical staff at several locations, taking blood pressure readings until her communications gear was cleared to be set up. "What's really sad is when you have to turn people away because a riot breaks out," said Sikes. "Some locations started out with no glitches, but once word got out about us being in the area and offering free care, it soon became uncontrollable."

During their visit to Cambodia, Sikes had a memorable encounter with an elderly couple. "I'll never forget that couple," laughed Sikes. "He needed glasses and she needed dentures, but two days after their exams they each had a unique way of showing their appreciation. His was, 'Oh now that I can see you … you're so ugly, but I like you anyway.' Hers was even funnier as her new teeth gave her the urge to bite me."

Sikes and Rayford also got to participate in a Navy tradition as well as achieving some Navy qualifications during PP10. Rayford and Sikes, former pollywogs, became 'shellbacks' when Mercy crossed the Equator and both re-qualified on their Surface Warfare pins. They want shipmates to know that they (shipmates) need to check message traffic for these types of IA opportunities.

"No one is going to come looking for you." said Sikes, "You have to do the leg-work and follow through to achieve this 'once in a lifetime' opportunity."



(Back Row, Left to Right): CMDCM(SW/AW) Steven Roberts, David Denenno, William Crawford, Eric Lampi, Erik Ahlstrom, Sean O'Connell and NIOC Georgia's CO, CAPT John Post. (Front Row, Left to Right): Richard Pohlman, Alfonza Spradley, Jerome Hand, Brian Kemper and Larry Galvan. (Not pictured): Geoffrey Barnes, Christopher Elsken and Dalton Humphries. (Official U.S. Navy Photo)

NIOC Georgia Places 2nd in World Softball Tourney

By CTI2 Anna Duncan, NIOC Georgia

PANAMA CITY BEACH, FL --Naval Information Operations Command (NIOC), Georgia's "Hitmen" stationed at Fort Gordon in Augusta, GA took second place at the U. S. Specialty Sports Association's (USSSA) Military World Softball Tournament in Panama City Beach, FL.

The NIOC Georgia players were up against 16 other teams and were able to push through with a record of 5-2, losing only to the teams who placed first and third in the weekend tournament.

The "Hitmen" hit the ground running at the start of the tournament with a 10-8 victory over Special Operations Civil Engineer Squadron, a local Air Force command in Panama City, in the first game. They kept it going with an 8-7 victory over Joint Communications Support Element, a Joint Forces Command out of Tampa, FL in the second game.

The "Hitmen" lost their third matchup against Naval Air Station (NAS) Whiting Field in a fight to the finish resulting in a 4-3 defeat. It did not take them long to bounce back, however, and reclaim victory against the Equipment Maintenance Squadron "Warriors" from Arkansas with a 10-8 win. A three-run homerun by Brian Kemper to get the game started, and a three-run homer by Alfonza Spradley in a late inning, were enough to light the fire under the "Hitmen" and get them back on a winning streak.

The "Hitmen" then won two straight games to play in the championship against Fort Polk's "Gators" from the Lake Charles area of Louisiana. The first game was against the Naval Support Activity Mid-South's "Storm," a team that had already beaten the "Hitmen" earlier in the season at the Alabama Slamfest-Military States in Montgomery, AL, with a decisive blow of 14-6.

The "Hitmen" struggled in the first few innings to score runs, however Dalton Humphries turned things around with his immaculate defense and hot hitting that started an inning of hit after hit, plating enough runs to carry them the rest of the game to a 7-4 win. With determination the "Hitmen" then faced NAS Whiting Field one more time, -- the team that had beaten them earlier in the tournament and twice previously this year.

As the day progressed and the temperature rose, Whiting Field scored two runs in the second inning; the "Hitmen" answered with two runs of their own. Regulation time ran out and this gridlock of offense and defense was sent hurling into extra innings where it was literally "win or go home." In the top of the ninth inning, with two runners on, Spradley came through with the game winning three run homerun to send the "Hitmen" onto the championship with an 8-5 victory.

For the first time this year, the "Hitmen" faced Fort Polk's "Gators." After two grueling games the "Hitmen" still had some fight left in them, starting out against the "Gators" with an impressive three up, three down first inning. By the third inning however, the length of the games and the hot humid weather had the "Hitmen" in a tough spot. They put up a good fight, but were defeated 12-5, finishing the tournament in second place.

The "Hitmen" were driven by great defense and pitching from the hands of Erik Ahlstrom and Richard Pohlman who helped lead Fort Gordon's NIOC GA "Hitmen" to the best finish they've ever had in this tournament, and closing out the season with the number one ranking in the world at the intramural level.

NIOC Hawaii Gets Hit with Flu . . . Vaccination, That is

By CTRSA Kayla Reed, NIOC Hawaii

Tripler Army Medical Center nurses arrived at Navy Information Operations Center Hawaii, Sept. 30, prepared to administer more than 1,500 influenza vaccines between 6 a.m. and 1 p.m.

Although flu season is around eight months long, Oct. 1 through mid May, Hawaii tends to see the flu all year round. This is due to the tropical climate and fluctuation of tourist populations.

"The scheduling of today's event was very convenient for off-going shift workers." said CTRC(SW) Daniel Farnsworth. Farnsworth received the flu mist for the first time today. He stated, "Getting the flu shot or mist is much better than getting the actual flu."

Symptoms of the influenza virus are high fever, sore throat, dry cough, headaches, muscle aches, extreme tiredness, and runny or stuffy nose. It is very difficult to distinguish between the flu and other infections based on symptoms alone, so consult a doctor to determine which treatment is best for you.

Some treatments include getting plenty of rest, drinking plenty of liquids, and avoiding using alcohol and tobacco. The average incubation period for the flu is between one and four days.

There are ways to reduce the spread of the influenza virus. Some include: washing your hands often with soap and water, coughing and sneezing into a tissue or your sleeve, avoiding close contact with sick individuals and staying home if you are sick.

The best way to protect yourself and others against influenza is to get a flu vaccination each year.

When it comes to being vaccinated, there are two options available in the United States -- the flu shot and the flu mist. The flu shot, first available in the United States in 1945, is an inactivated vaccine, containing the killed virus, given with a needle usually in the arm. The shot is recommended for individuals older than six months of age who are healthy or those with chronic medical conditions, such as diabetes, heart disease or asthma.

The alternative to the shot is the mist. First available in September 2003, the mist is a nasal spray made with live, weakened flu viruses that do not cause the flu. The mist is recommended for healthy individuals 2 to 49 years of age who are not pregnant.

Official U.S. Navy Photo

NIOC Misawa Sailors Bike for Charity

By CTICS Leah Strebin, NIOC Misawa

Navy Information Operations Command (NIOC) Sailors stationed aboard Misawa Air Base completed a 160-mile bike ride for charity Oct. 25.

CTR2 Reuben Cuenca, CTR2 Ryan Remley and CTR3 Marshall Pierce bicycled round-trip from the city of Misawa, Japan to Morioka, Japan in order to raise money for the Akebono Orphanage.

The three Sailors began training for the ride in June and spent numerous weekends cycling around Misawa's Lake Ogawara during an oppressive summer heat wave.

"We've been riding just about every weekend doing nothing less than 40 miles," said Remley.

Ultimately his team would pedal their way to 100-mile days in preparation for their ultimate goal. It was while training that the Sailors decided to dedicate their ride to charity.

"We just came up with an idea and went with it," said Pierce. "It just took a little bit of inspiration and the ball was rolling from there."

Together, they raised more than $4,000 through donations from co-workers and family members and decided to donate the money to the local orphanage.

Upon their return to Misawa, the Sailors were tired, but they were proud of what they accomplished.

"I think it was great," said Pierce. "We hope (Sailors) in the future take what we have done and go further with it. I mean, we're just a bunch of bike-riding idiots, and we had no idea it would turn into something this successful."

NIOC Misawa Sailors peddle more than 160 miles to raise money for a local orphanage. (Photo by CTR3 David Callahan)

NIOC Hawaii Sailors Make a Difference Cleaning Up Local Stream

By LTJG Melissa Ocasio, NIOC Hawaii Public Affairs

Thirty Sailors from Navy Information Operations Command (NIOC) Hawaii rolled up their sleeves to participate in the 20th anniversary of "Make a Difference Day," Oct. 23.

Millions of volunteers worldwide spend the day focusing on community improvement, with projects ranging from rebuilding playgrounds to restoring wetlands. Here in Hawaii, NIOC Sailors devoted their weekend morning to cleaning up the Kapakahi Stream Watershed.

Kapakahi Stream flows from its headwaters at the Hawaii Plantation Village to the West Loch of Pearl Harbor. The Kapakahi Watershed spans 280 acres, and is home to the Pouhala Marsh. This marsh provides crucial habitat for several native plant and animal species. NIOC Sailors helped by pulling invasive weeds, and picking up trash that lined and was floating in the stream.

"We have a very successful event, probably due to our partnerships," said Iwalani Sato, community relations specialist for the Storm Water Quality Branch, Department of Environmental Services. "It's a diverse group of volunteers, ranging from school groups, the military and other agencies. We have hands-on activities here which challenge people and make them more aware about the watershed and how pollution affects the community they live in. It's everyone's responsibility to prevent pollution, and by being here today they have taken individual responsibility."

The team leader for Sailors from NIOC Hawaii was CTRMC(SW/AW) R.T. McClain. Speaking about the clean up effort, McClain said, "This is my third year doing this. I really enjoy being stationed in Hawaii, and the most rewarding part of this day is being able to give back to the community. A watershed like this does not get the attention that a beach will get for clean up. An area like this often gets overlooked."

After approximately two hours of pulling weeds, fishing trash out of the stream, and picking up garbage alongside the steam, NIOC Hawaii Sailors were able to clean a quarter mile stretch of the Kapakahi stream. All participants were thanked for their time and efforts, and invited back for the next clean up in April.

"I had heard about this event from a friend at the command," said CTN2(EXW) Joshua Reed. "I wanted to come today because I like doing outdoor volunteer work that impacts the environment. I recently PCS'ed to Hawaii and am glad to get involved in the community."

Sailors from NIOC Hawaii pull weeds and trash out of the Kapakahi Stream and pick up garbage along its banks. (Photo by IT2 Jedidiah Dyer)

NIOC Menwith Hill Supports Community

By CTI1 Brandy Hensley, NIOC Menwith Hill

Fostering and maintaining good community relations is important to every command, but it becomes an integral part of the mission set for an overseas command. The joint services of Royal Air Force (RAF) Menwith Hill are quite proactive in engaging with the local communities of the greater Harrogate area and within the North Yorkshire county of England. In an effort to develop greater continuity and a strong bond with the local communities, the U. S. Forces hosted on RAF Menwith Hill each engage with a different town.

Navy Information Operations Command (NIOC) Menwith Hill partners with the town of Ripon. This year, Sailors have participated in community events such as local civic functions, Battle of Britain and Remembrance Day ceremonies, and the annual Founder's Day parade known as the St. Wilifrid's Procession.

Ripon is the fourth smallest city in England and is located in the Borough of Harrogate, North Yorkshire. The city itself, which is more than 1,300 years old, is noted for its most prominent feature, the architecturally significant Ripon Cathedral. Ripon is a tourist destination due to its close proximity to the United Nations Educational, Scientific and Cultural Organization (UNESCO) World Heritage Site, Fountains Abbey, and its 800 year old traditional English market day, held every Thursday.

One of the major roles NIOC Menwith Hill plays in the local community is their support of the local care home, The Royal British Legion Lister House. Due to the facility's exclusivity to active duty and prior service members and their dependents, there is a unique camaraderie among the residents and the Sailors who volunteer.

At monthly luncheons Sailors and veterans exchange stories, experiences, and in some cases even uniform items. "Jeffrey Barry (a 30-year veteran, former Royal Navy Petty Officer First Class – U.S. Navy Chief

... continued on Page 42

CTR2 Samuel Difrancis and CTR2 Jenise Hopwood pose with Jeffrey Barry, retired Royal Navy Petty Officer First Class. (Photo by CTR1(SW/AW) Robert Dudas)

equivelant) wears that Dixie Cup better than I do!" CTR2 Samuel Difrancis laughingly exclaimed at a recent event honoring World War II veterans and survivors.

NIOC Sailors heard first-hand accounts of bravery and sacrifice from a World War II submariner, a Lancaster Bomber engineer, one Soldier who parachuted into enemy territory, and even one woman who lived through the Battle of Britain where her house was destroyed by a German bomb during the London Blitz. Regardless of nationality, the shared bond of serving one's country is universal. "The time spent (with the volunteers) is very therapeutic for the residents," said Activities Director, Julie Harris. "It means a lot that the (American Navy) cares enough to take time out of their day to visit ... and they just love seeing everyone in their uniforms!"

"I have never come back from Lister House without feeling impressed by the stories of the veterans and by the positive reaction to the Sailors visit," said CDR Tim May, commanding officer, NIOC Menwith Hill. "The Armed Services stationed at RAF Menwith Hill have a proud tradition of giving back to the local area and the volunteer efforts of their members are crucial to fostering those bonds that form strong communities."

The Sailors, Soldiers, Airmen and Marines stationed here are respected ambassadors to the community and proudly represent their respective services and the United States of America.

(Left) NIOC Menwith Hall's Commanding Officer, CDR Timothy May reviews the personal scrapbook of WWII Lancaster Bomber Flight Engineer, Len Watson, at Lister House.
(Below) A special memorial stone and anchor greets guests to Lister House.

(Photos by CTIC Michael Knadler)

NIOC Sailor Earns Army Achievement Medal

Story & Photo by CTI1 (NAC/AW) Jennifer Schooley, NIOC Hawaii Public Affairs

RP2(SW/FMF) Richard Figueroa of Navy Information Operations Command (NIOC) Hawaii was awarded the Army Achievement Medal for his efforts in coordinating a series of relationship-strengthening workshops called "Strong Bonds Retreats."

According to Army Capt. Brian Murphy, chaplain, 715th Military Intelligence Battalion, Figueroa devoted a lot of personal time on the project. "Some of these retreats were Army focused, so he went above and beyond his Navy duties," Murphy said.

"Strong Bonds is a unit-based, chaplain-led program which assists commanders in building individual resiliency by strengthening the Army family," said Army Chaplain, Lt. Col. Birch Carleton. "The core mission of the Strong Bonds program is to increase individual Soldier and family member readiness through relationship education and skills training."

The retreats are available for married couples, single Soldiers, and Army families. Married couple's retreats focus on communication and how to strengthen relationships. During family retreats, attendees learn about effective parenting and have interactive activities with their children. Single Soldiers are taught about picking the right partner from the lesson "How to avoid marrying a jerk." The "no jerks" program is also called "P.I.C.K. a Partner" for Premarital Interpersonal Choices and Knowledge.

With Figueroa's help, these Strong Bonds retreats are made available to NIOC Hawaii Sailors working in the joint environment.

"I thank the Army for allowing Sailors and other services to participate," Figueroa said. "I've seen a lot of relationship issues in the military and I'm a strong believer these workshops can be an effective tool in mending these relationships."

The Strong Bonds program was introduced in 1997, and in the past year more than 160,000 Soldiers and family members have participated in more than 2,600 Strong Bonds events.

(Left) Army Capt. Brian Murphy awards RP2(SW/FMF) Richard Figueroa the Army Achievement Medal for coordinating relationship-strengthening workshops.

Special**Recognition**

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CTN1 Jessica McClendon, JFCC for Network Warfare
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CTRC Richard Perucca, NIOC Maryland
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CTIC Giselle Wells, JLTC Ogden
LCDR Kenya Williamson, NETWARCOM Virginia Beach
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LCDR Joel Yates, NIOC Georgia

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CTI1 William Alexander, NIOC Bahrain
LTJG Lance Alt, NIOC Texas
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IT1 Keith Anderson, NIOC Hawaii
IT1 John Arnett III, NIOC Georgia
CWO3 Matthew Arnold, NCDOC
YN2 Robert Arroyos, Jr., NIOC Texas
IT3 Mark Ashcroft, NCTAMS PAC Wahiawa
CTR3 Charles Bain, NIOC Hawaii
LTJG Mark Barnes, NIOC Hawaii
ET1 Arthur Batucal, NR NCTAMS PAC DET San Pedro
CTM1 Neal Baumgartner, NIOC San Diego
CTM2 Travis Beckwith, NIOC Hawaii
LT Daniel Berger, NCTAMS PAC Wahiawa
CWO2 Dave Besel, NIOC Georgia
CTM2 Bryan Bird, NIOC Hawaii
CTN1 Springer Blankenship, NIOC Maryland
CTR1 Jason Bockerman, NIOC Whidbey Island
CTT2 Michelle Bolden, NIOC Norfolk
ET1 Carl Booth, NCTAMS LANT DET Rota
CTN1 Sannita Boughter, NIOC Georgia
ITC Devon Bowers, NMCI Det Norfolk
YN2 Michael Boyd, NIOC Hawaii
IT2 Toni Boyd, CYBERFOR, Virginia Beach
ET2 Seth Brewer, NCTS Sicily
IT1 Michael Brinksneader, NCTAMS PAC Wahiawa
ITSN Brandon Brooks, NIOC Hawaii
ITC Gabriel Brooks, NR NCTAMS PAC DET San Pedro
CTNC Brian Brown, NIOC Pensacola
CTN1 Ryan Brown, NCDOC
CTNC Alfred Brunner, NIOC Hawaii
CTR1 Lance Burney, NIOC Sugar Grove
CTM1 Timothy Busby, NIOC Hawaii
IT1 David Bustin, NIOC Georgia
IT1 Matthew Butler, NCTAMS PAC Wahiawa
CTN1 Joseph Caddy, NIOC San Diego
ET1 Joe Cain, NCTAMS PAC Wahiawa
LS2 Traviyance Caple, NCTAMS PAC Wahiawa
CTRC Chanell Carrington, NIOC Norfolk
CTI1 Amanda Carter, NIOC Bahrain
CTI3 Andrew Carter, NIOC Maryland
CS3 Jason Carter, NIOC Sugar Grove
CTT2 Nelson Carthen, NIOC Georgia
CTI1 David Tucker, NIOC Georgia
CTN1 Roman Tyshkun, NIOC Hawaii
IT2 Matthew Vandusen, NIOC Hawaii
CTI2 Aaron Von Schnider, NIOC Hawaii
CTN2 Timothy Wagner, NIOC Hawaii
CTR3 Adam Walker, NIOC Sugar Grove
CTM2 Brittne Westerman, NIOC Hawaii
IT2 Cory Wilcsek, NIOC Hawaii
IT3 Justin Williams, NIOC Sugar Grove
CTR2 Molly Woolard, NIOC Hawaii
CTR2 Daniel Young, NIOC Sugar Grove
CTI2 Robert Young, NIOC Georgia
CTI2 Joseph Zeiser, NIOC Hawaii
LT Johnnie Caver, NIOC Hawaii
IT3 Ryan Chiera, NIOC Norfolk
IT1 Keith Chilton, NCTAMS PAC Wahiawa
CTI1 Myra Cleary, NIOC Maryland
IT2 Daniel Colwart, NCTS Jacksonville
HM3 Janel Cook, NIOC Georgia
CTN1 James Cooper, Jr., NIOC San Diego
CTM2 David Cordier, NIOC Norfolk
IT2 Shanika Corrica, NCTS Sicily
CS1 Seneca Coughlin, NIOC Sugar Grove
CWO4 Todd Crawley, Jr., NCTS San Diego
IT2 Alayna Creber, NCTS San Diego
CTN2 Sammy Curtis, NIOC Suitland
CTR1 Richard Dabel, NIOC Whidbey Island
IT1 Richard Davis, NCTAMS PAC Wahiawa
HM3 Sharonda Davis, NIOC Georgia
LCDR Travis Dawson, NETWARCOM Virginia Beach
CTN1 Joseph Delbo, NIOC San Diego
ET2 Fito Delhome, USNS COMFORT (T-AH 20)
ET2 Christopher Demo, NCTAMS LANT Norfolk
CTN2 Angela Denisiuk, NIOC Pensacola
YN1 Theresa Dierks, NR NCTAMS PAC DET San Pedro
LTJG James Dietle, NIOC Hawaii
LSC Wilfredo Dirilo, NCTS San Diego
CTR1 Paul Dowd, NIOC Yokosuka
IS3 Erik Dowell, NIOC Norfolk
IT2 Kristie Dowlen, NCDOC
CTI2 Joanna Downing, NIOC Hawaii
IT2 Joshua Drury, NCTS Far East Yokosuka
ET1 Sean Dubas, NSCF Northwest
IT2 Stephen Dumesnil, NIOC Misawa
CTN2 Ricky Durr, NIOC San Diego
YN2 Kassiana Earp, NETWARCOM Virginia Beach
CTM2 Kevin Edwards, NIOC San Diego
YN2 Larry Eldridge II, NIOC Maryland
ETC Bobby Elkins, NR NCTAMS PAC DET San Pedro
IT2 Ryan Elliott, NCTAMS LANT Norfolk
ITC Victor Encarnacion, NCTS Bahrain
CTR1 Reginald Epps, NIOC Yokosuka
IT2 Steffan Escobar, NCTS San Diego
IT1 Anthony Espinosa, NCTAMS PAC Wahiawa
BU2 Christopher Ethier, NIOC Hawaii
LT John Eure, NR NIOC Washington
IT2 Erwin Evardone, NCTAMS PAC Wahiawa
IT1 Jonathan Ewars, NCTAMS LANT Norfolk
CTR2 Rebecca Feather, NIOC Maryland
MASN Amber Ferron, NIOC Sugar Grove
ITC Jeanitta Fincham, NCTAMS LANT Norfolk
CTR2 Christopher Fisher, NIOC Whidbey Island
CE1 Clifford Fletcher, NIOC Hawaii
CTM2 Gary Flick, NIOC San Diego
CTM3 Sean Forschler, NIOC Hawaii
IT2 Alixis Foss, NCTS San Diego
CTN2 Brandon Foster, NIOC San Diego
CTR1 Brandon Fouse, NIOC Whidbey Island
EM2 Todd Fritz, NCTS Naples
CTR2 Jeffrey Gabamonte, NIOD Chesapeake
ITC Juston Geigley, NIOC Hawaii
CTT1 Danny George, NIOC San Diego
CTT1 Joshua German, NIOC San Diego
LT Derek Gilbert, NIOC San Diego
CTR1 Matthew Gloyd, NIOC Maryland
IT1 Magda Gomez, NCTS San Diego
IT2 Michelle Gonzales, NCTS San Diego
LT Ryan Gonzalez, NAVSOC Point Mugu
IT2 Josef Green, NCTS Naples
CTR1 Shawnon Gulley, NIOC Georgia
ET1 Aaron Gushiken, NCTAMS PAC Wahiawa
CTT1 Eric Haigh, NIOC San Diego
CTNC Scott Harper, NIOC Pensacola
CTM1 Thomas Hays, NIOC Hawaii

IT2 John Hayse, NIOC Hawaii
IT2 Dona Hemming, NCTAMS LANT Norfolk
CTM2 Thomas Hendrix, Jr., NIOC Norfolk
CTM2 Patrick Henry, NIOC San Diego
HM2 Venessa Hernandez, NIOC Georgia
CTM1 Darrell Herschel, NIOC Hawaii
BU1 Jason Hoak, NIOC Hawaii
CTN2 Brannon Howard, NIOC Georgia
MASN Wyatt Howe, NIOC Sugar Grove
IT2 Geneva Hume, NCTS Bahrain
CTR2 Michael Humphries, NIOC Georgia
IT1 David Hutto, NCTAMS PAC Wahiawa
IT1 Renee Ingram, NCTS San Diego
CTR2 Tristin Ishmael, NIOC Hawaii
LT Gene Jackson, NIOC Norfolk
CTI2 Cristobal Jimenez, NIOC Maryland
CTR2 Jeremiah Johnson, NIOD Chesapeake
IT1 Michael Johnson, NETWARCOM Space
YN1 Latasha Jones, NIOC Hawaii
CTN2 Robert Jones, NCDOC
CTT1 Brian Jordan, NIOC Yokosuka
CTR1 Stephanie Kamanawa, NIOC Hawaii
IT3 Katie Keelen, NIOC Suitland
CTT2 Rachel Keiser, NIOC Georgia
ET1 Glenn Kendrick, Jr., NCTAMS LANT DET Hampton Roads
ET2 Clayton Kimber, NCTS San Diego
IT1 Neal King, Jr., NCDOC
LTJG Ann Kirby, NIOC Bahrain
LT Eric Kirk, NIOC Norfolk
CTR3 Eric Kirkland, NIOC Suitland
CTR1 Jeremy Kitchens, NIOC Hawaii
CTM1 Kirby Knopik, NIOD Groton
CTI1 Jonathan Konkel, NIOC Hawaii
CTT2 Richard Konrad, NIOC Norfolk
IT2 Timothy Kovar. NCTS Sicily
CTI1 Lubomir Kundera, NIOC Maryland
CTN1 David Lafranchise, NIOC San Diego
CTN2 Garrett Lalone, NIOC San Diego
YNC Erik Larsen, NIOC Hawaii
LT Ian Larsen, NCDOC
CTM1 Brandon Lassiter, NIOD Groton
LT Lemuel Lawrence, USFLTCYBERCOM, Ft. Meade, MD
LCDR Karen Li, NIOC San Diego
ET2 Israel Lopez, NR NCTAMS PAC DET San Pedro
IT3 Christian Macadangdang, NIOC Hawaii
CTI2 Melanie MacConnell, NIOC Maryland
CTM2 Tobias Maestas, NIOC San Diego
CS2 James Maisonneuve, NIOC Sugar Grove
YNC Apolonio Malaca, Jr., NCTS Naples
IT3 David Mann, NIOC Hawaii
CTI2 Tricia Markley, NIOC Bahrain
CTM2 Freddie Marquez, NIOC Yokosuka
CTM2 Alexander Marshall, NIOC San Diego
IT1 Frederick Marshall, NCTAMS PAC Wahiawa
ITC Matthew Mattera, NCTAMS PAC Wahiawa
CTN1 Bitalo McCastle, NCDOC
CTR1 Christopher McCauley, NIOC Yokosuka
CWO4 Montana McClanahan, GNOC DET Norfolk
LS2 Rodway McCloggan, NIOC Norfolk
CTR1 Steven McDonald, NIOC Georgia
ET2 Marcus McGee, NCTS San Diego
HM2 Cynthia McKenzie, NIOC Georgia
CTT1 Eulos McKinney, Jr., NIOC Maryland
QM2 Kenneth McNeal, NCTAMS LANT Norfolk
CTN1 Shannon McQueen, NCDOC
CTI2 Elizabeth McWilliams, NIOC Bahrain
CTNC Mark Megna, NIOC San Diego
CTI1 Yves Michaud, NIOC Maryland
IT3 Tyler Midkiff, NIOC Suitland
CTM1 Denzil Mitchell, NIOC Hawaii
CTN2 Justin Mitchell, NIOC Pensacola
IT2 Mario Mongolo, NCTS San Diego
IT2 Bernardo Montoyaprado, NCTS San Diego
LT Charles Moore, NCTS San Diego
YN2 Kevin Moore, NIOD Digby
LT Scott Moore, USFLTCYBERCOM Ft. Meade, MD
IT2 Genny Morales, NCTS San Diego
IT2 Daniel Morgan, NCDOC
CTR1 Melia Moses, NIOC Hawaii
CTI1 Robert Mueller, NIOC Bahrain
CWO2 Chrystena Myers, NIOC Texas
YN3 Austin Myrick, FAIRECONRON TWO
BM2 Eric Neer, NIOC Sugar Grove
MA3 Logan Nethers, NIOC Sugar Grove
CTR1 Paul Nettles, NIOD Kaneohe Bay
CTM1 Rebecca O'Neil, NIOC Norfolk
IT2 Stacey Odell, NCTSC Oklahoma City
MA1 Nathan O'Dell, NIOC Sugar Grove
IT2 Allyson Oller, NIOC Hawaii
LT Jason Osborne, NCTS San Diego
CTR2 Nicholas Pealstrom, NIOC Hawaii
CTM2 Diogenes Perera, NIOC Norfolk
LT Timothy Phenicie, NCTAMS LANT Norfolk
CTNCM Kevin Radzewicz, NIOC Norfolk
CTT2 Reginald Ransom, NIOC Georgia
IT3 David Ratliff, NIOC Norfolk
CTN2 Joshua Reed, NIOC Pensacola
CTR2 Karla Reeves, NIOC Hawaii
IT1 Theresa Reyes, NCTAMS LANT Norfolk
CTM1 Hassan Richardson, NIOC Hawaii
CTN2 Samuel Richardson, NIOC Pensacola
IT2 Marsha Riggans, NCTSC DET Patuxent River
IT2 Allison Risner, NCTAMS LANT Norfolk
CTN2 Tonya Rister, NIOC Norfolk
IT2 Gabriel Rivera, NR NCTAMS LANT Jacksonville
IT2 Alexandria Robinson, NCTS San Diego
CWO3 Donald Robinson, Jr., NIOC Suitland
LTJG Jonathan Rogers, NIOC Maryland
CTN2 Nickolas Rogers, NIOC Norfolk
LT Christine Rosenvinge, U.S. Cyber Command
IT2 Racquel Ruiz, NCTS San Diego
CTR1 George Russell, NIOC Hawaii
LSSN Robert Russell, NIOC Sugar Grove
CTM2 Alexander Sanchez, NIOC Hawaii
CTR2 Trevor Sanders, NIOC Hawaii
IT1 Curt Sattazahn, NCTAMS PAC Wahiawa
CTR1 Josef Schmidt, Office of Naval Intelligence
LCDR Owen Schoolsky, NIOC San Diego
CTI1 Chadwick Schultz, NIOC Bahrain
IT1 Franklin Shaw, NIOC Sugar Grove
IT2 Justin Sherman, NCTS Naples
IT2 Stephany Sherman, NCTS Naples
CTM2 Patric Shoup, NIOC Hawaii
IT1 Damian Smith, NCTAMS PAC DET Puget Sound
CTR1 Louis Smith, CENINFODOM Active Reserve Integration
CTN2 Richard Smith, NCDOC
LS3 Anthony Soliz, NCTAMS PAC Wahiawa
LT Jay Spencer, COMFLTCYBERCOM Ft. Meade, MD
LCDR Harold Stockton, NETWARCOM Virginia Beach
EO1 Donald Stone, NIOC Sugar Grove
LCDR John Stoner, Jr., U.S. Cyber Command
IT1 Reinaldo Struiken, NCTAMS PAC Wahiawa
IT2 William Taylor, NCTS Naples
IS1 Jamie Thibeault, USFLTCYBERCOM Ft. Meade, MD
LTJG Jon Thorson, NIOC San Diego
LT Michael Tiefel, USFLTCYBERCOM Ft. Meade, MD
IT2 Jordon Toran, NCTAMS LANT Norfolk
IT2 Chauntea Tourigny, NCTSC DET Patuxent River
CTR2 Luke Tremblay, NIOC Hawaii
ITC Carrie Tudor, NCTAMS PAC Wahiawa
LS1 Albert Tuisamatatele, NIOC Bahrain
IT1 Jennifer Utley, NCTAMS LANT Det Hampton Roads
CTI1 Gregory Van Giezen, NIOC Bahrain
YN3 Victor Vazquez, Jr., NIOC Maryland
CTI1 Aslan Walker, NIOC Bahrain
ITCS Jeffrey Welch, NCTS Bahrain
CTI1 Justin West, NIOC Hawaii
YNC Christopher Williams, NCMS Washington
IT1 Tamika Williams, NCTS San Diego
CTR1 Ben Wood, NIOC Hawaii
IT2 Talia Woodside, NIOC Hawaii
ET1 Coby Worthington, NCTAMS LANT Norfolk
UT2 Kevin Yaksich, NIOC Hawaii
CTT1 Daniel Yanklowitz, NIOC San Diego
CTR2 Abram Ylitalo, NIOC Hawaii
YNSN Selena Young, NCMS Washington
ITC Melissa Zayaz, NCTAMS LANT Norfolk
MA1 Anthony Ziegert, NIOC Sugar Grove
LCDR Daryk Zirkle, NIOC Norfolk

MILITARY OUTSTANDING VOLUNTEER SERVICE MEDAL

CTI1 Roderick Broach, NIOC Hawaii
ITC Erica Barnett, NCDOC
CTR1 Robert Dudas, NIOC Suitland
CTR1 Michael Bemley, NIOC Hawaii
IT1 Guerrero Leon, NCTAMS PAC Wahiawa
CTMC Jeffery Urness, NIOC Suitland
IT1 Richard Skees, NCDOC
MA1 Nicholaus Berg, NIOC Hawaii
RP2 Richard Figueroa, NIOC Hawaii
CTMCS Donald Harris, NIOC Norfolk

NCTAMS LANT Sailor Earns Gold Disk Award

From NETWARCOM Public Affairs

NORFOLK, VA -- ET2 Tashauna Rose Medrano, from Naval Computer and Telecommunications Area Master Station Atlantic Norfolk, received the Chief of Naval Operations (CNO) Monthly Gold Disk Award for August 2010.

Medrano was a major contributor in expanding the Navy's and Marine Corps' Miniature and Module Test and Repair Program and directly improved the sea services' operational capabilities. Enhancing equipment availability for Navy and Marine Corps commands throughout the fleet and saving thousands of dollars in repair costs, Medrano was also instrumental in developing a vital circuit card diagnostic capability.

Additionally, she improved the availability of the radio frequency power supply for the MD-1310/U, very low frequency/ low frequency modulator to ensure the system remains battle-ready.

The monthly CNO Gold Disk Awards program began in 1996 and was established by VADM William J. Hancock. The program is open to all Navy, Marine Corps and Coast Guard Module Test and Repair (MTR) technicians in the field.

Official U.S. Navy Photo

ET2 Tashauna Rose Medrano

C4ISR & Space Developer Passes Away

From SECNAV Public Affairs

Dr. Gary A. Federici passed away Oct. 20 after a brief illness. He was born in Wareham, MA, on Jul. 28, 1950. Federici graduated from Bishop Stang High School, in North Dartmouth. He received his B.S. in Physics and Mathematics from U of Mass Lowell, and his M.S. and Ph.D. in Mathematics from Syracuse University.

Federici was appointed Deputy Assistant Secretary of the Navy for Command, Control, Communications, Computers, Intelligence, Information Operations and Space in September 2004. In his role, Federici served as the principal advisor for space-related acquisition matters along with related business enterprise acquisition programs and information technology and resources management. In that capacity he provided acquisition guidance, oversight, and policy expertise for both the Navy and Marine Corps planning and programming staffs to ensure acquisition programs remained viable in funding of requirements, schedule and performance to reduce acquisition volatility.

Over a 30-year period, Federici played a substantial role in shaping Navy policy on space and in developing tactical applications of Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) and space systems. He was instrumental in moving national security space systems products into mainstream naval operations, and in encouraging the Navy to participate fully in the National Reconnaissance Office (NRO) and other national security space and intelligence activities.

In 2003, the Secretary of the Navy awarded him the Department of the Navy Distinguished Public Service Award. The Director, National Reconnaissance Office/Under Secretary of the Air Force awarded him the NRO Medal of Distinguished Service in 2004.

Federici also received the Department of the Navy Distinguished Civilian Service Medal posthumously from the Secretary of the Navy.

Official U.S. Navy Photo

Dr. Gary A. Federici

Remembering Dr. King . . . Symbolic Leader & World Figure

Compiled by CYBERFOR Public Affairs

Martin Luther King, Jr., was born Jan. 15, 1929, Michael Luther King, Jr., but later had his name changed to Martin. His grandfather began the family's long tenure as pastors of the Ebenezer Baptist Church in Atlanta, serving from 1914 to 1931; his father has served from then until 1974, and from 1960 until his death Martin Luther acted as co-pastor.

In 1954, Martin Luther King became pastor of the Dexter Avenue Baptist Church in Montgomery, AL. Always a strong worker for civil rights for members of his race, King was, by this time, a member of the executive committee of the National Association for the Advancement of Colored People, the leading organization of its kind in the nation. He was ready; in early December, 1955, to accept the leadership of the first great negro nonviolent demonstration of contemporary times in the United States, the bus boycott. The boycott lasted 382 days.

On December 21, 1956, after the Supreme Court of the United States had declared unconstitutional the laws requiring segregation on buses, negroes and whites rode the buses as equals. During these days of boycott, King was arrested, his home was bombed, he was subjected to personal abuse, but at the same time he emerged as a negro leader of the first rank.

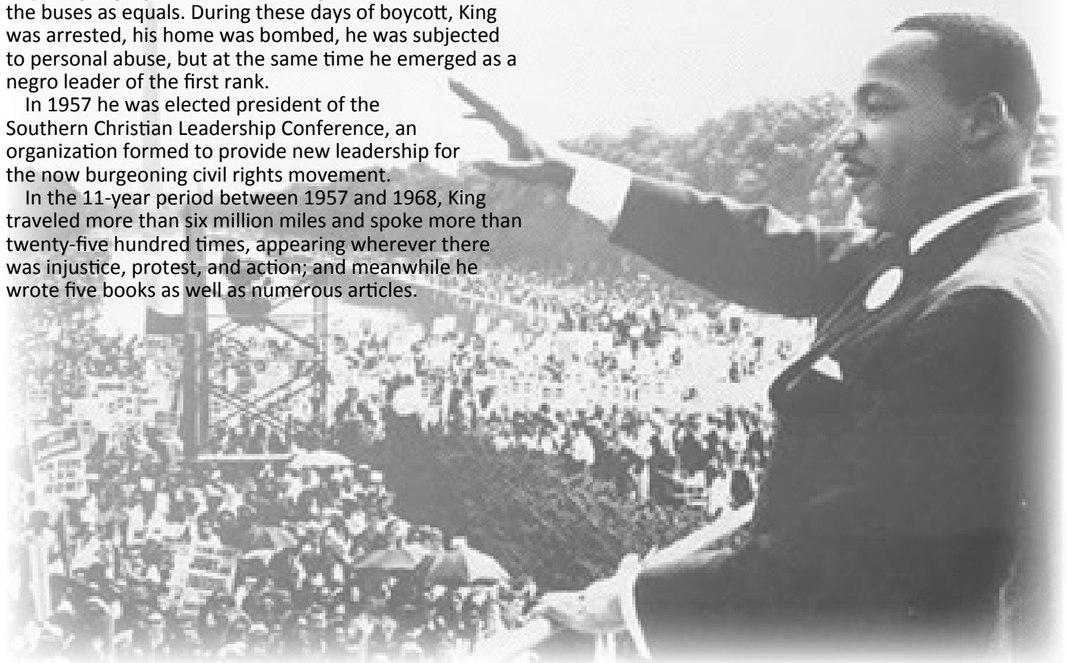
In 1957 he was elected president of the Southern Christian Leadership Conference, an organization formed to provide new leadership for the now burgeoning civil rights movement.

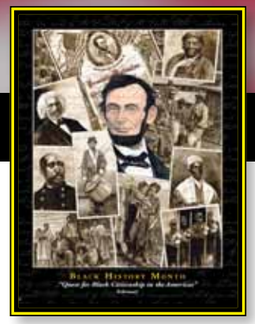
In the 11-year period between 1957 and 1968, King traveled more than six million miles and spoke more than twenty-five hundred times, appearing wherever there was injustice, protest, and action; and meanwhile he wrote five books as well as numerous articles.

In these years, he led a massive protest in Birmingham, AL, that caught the attention of the entire world, providing what he called a coalition of conscience and inspiring his "Letter from a Birmingham Jail", a manifesto of the negro revolution; he planned the drives in Alabama for the registration of negroes as voters; he directed the peaceful march on Washington, DC, of 250,000 people to whom he delivered his address, "I Have a Dream", he conferred with President John F. Kennedy and campaigned for President Lyndon B. Johnson; he was arrested upwards of 20 times and assaulted at least four times; he was awarded five honorary degrees; was named Man of the Year by Time magazine in 1963; and became not only the symbolic leader of American blacks but also a world figure.

At the age of 35, King was the youngest man to have received the Nobel Peace Prize.

On the evening of April 4, 1968, while standing on the balcony of his motel room in Memphis, TN, where he was to lead a protest march in sympathy with striking garbage workers of that city, he was assassinated.





Navy Ships Named in Honor of African-Americans

Compiled by CYBERFOR Public Affairs

As of early 2010, 14 Navy ships have been named in honor of African Americans. To date, four have already been decommissioned.

U. S. Navy ships (including ships of the Military Sealift Command) include:

USNS PFC James Anderson, Jr.

(T-AK-3002), 1985-___. Named in honor of Private First Class James Anderson, Jr., USMC (1947-1967), who was posthumously awarded the Medal of Honor for heroism during the Vietnam War.

USS Rodney M. Davis

(FFG-60), 1987-___. Named in honor of Sergeant Rodney M. Davis, USMC (1942-1967), who was posthumously awarded the Medal of Honor for heroism during the Vietnam War.

USNS Henson

(T-AGS-63), 1998-___. Named in honor of the Arctic Explorer Matthew Alexander Henson (1866-1955), who accompanied Robert Peary, most famously on an expedition intended to reach the geographic North Pole in 1909.

USNS Watson

(T-AKR-310), 1998-___. Named in honor of Private George Watson, U.S. Army (1914-1943), who was posthumously awarded the Medal of Honor for heroism during World War II. His Medal of Honor is on display at the U.S. Army Quartermaster Museum, Fort Lee, VA.

USS Oscar Austin

(DDG-79) 2000-___. Named in honor of Private First Class Oscar P. Austin, USMC (1948-1969), who was posthumously awarded the Medal of Honor for heroism during the Vietnam War.

USS Pinckney

(DDG 91) 2004- ___. Named in honor of Navy Cross recipient Ship's Cook 3rd Class William Pinckney who rescued a fellow crew member on board the carrier USS Enterprise during the Battle of Santa Cruz in October 1942.

USNS Carl Brashear

(T-AKE 7), 2009 - ___. Named in honor of Master Chief Boatswain's Mate (Master Diver) Carl M. Brashear (1931-2006), who joined the U.S. Navy in 1948. He was a pioneer in the Navy as one of the first African-Americans to graduate from the Navy Diving School, and was designated a Navy salvage diver. He was the first African-American to qualify and serve as a master diver while on active duty and the first U.S. Navy diver to be restored to full active duty as an amputee, the result of a leg injury he sustained during a salvage operation. After 31 years of service, Brashear officially retired from the U.S. Navy on April 1, 1979. Brashear was the subject of the 2000 movie "Men of Honor" and was portrayed by Cuba Gooding Jr.

USS Gravely

(DDG 107), Commissioned Nov. 20, 2010 - ____. Named in honor of VADM Samuel L. Gravely Jr. (1922-2004), the first African-American in the U. S. Navy to be commissioned an officer, and command two warships, USS Theodore E. Chandler and USS Jouett. Gravely achieved the rank of vice admiral and went on to command 3rd Fleet.

USNS Medgar Evers

(T-AKE 13) The keel was laid down Oct. 26, 2010. Named in honor of civil rights activist Medgar Evers (1925-1963) who forever changed race relations in America. At a time when our country was wrestling to end segregation and racial injustice, Evers led efforts to secure the right to vote for all African-Americans and to integrate public facilities, schools and restaurants. On June 12, 1963, the Mississippi native was assassinated in the driveway of his home.

USNS Charles Drew

(T-AKE 10) 2010 - ___. Named in honor of Dr. Charles Drew, an African-American physician, who is regarded as the father of the blood bank. Drew researched and developed methods of blood collection, plasma processing and storage. Drew's research in blood storage first benefited Soldiers in the field during World War II and has continued to save the lives of millions of people worldwide. His blood bank design is still the model for modern hospitals and organizations such as the American Red Cross.

ROSA PARKS -- CHANGING HISTORY

Virginia Beach, VA --
Keynote speaker, Dr. Samuel Betances, speaks to assembled guests at the 2010 Fleet Diversity Council held on Naval Air Station Oceana Nov. 3. The 2010 Fleet Diversity Council sought to bring together Sailors of all ranks and pay grades in order to better understand how diversity impacts and enables mission effectiveness.
(Photo by MC3 William Jamieson)

DIVERSITY SPOTLIGHT

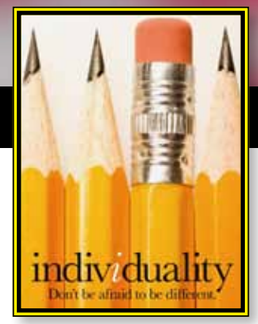
Official U.S. Navy Photo

LCDR Christine Cochran

(Left) LCDR Christine A Cochran was recently assigned as the CYBERFOR Assistant Force Diversity Officer. Cochran has been a member of the Diversity Council for more than two years. She serves as the VIP Diversity Event Coordinator for all Flag level, SES and COS events for both CYBERFOR and NETWARCOM, coordinating more than 10 events annually. (Right) Dan K. Deighan is a plank owner and part of the council since its inception more than three years ago. Dieghan acts as an advisor to the council on matters relating to training the workforce on diversity topics. He researched and recommended the "Appreciating Differences" seminar as a training solution. One of five staff certified to facilitate this seminar, and serves as a lead facilitator.

Official U.S. Navy Photo

Dan Deighan



DIVERSITY AWARENESS

UPCOMING DIVERSITY CONFERENCES

CONFERENCE	LOCATION	DATES	WEBSITE
The 17th Hispanic Games at the New Balance Track & Field Center, The Army	New York	Jan 1	www.armorytrack.com
Physics Diversity Summit and the Joint Annual Conference of the National Society of Black Physicists (NSBP) and National Society of Hispanic Physicists	Washington, DC	Feb TBD	www.nsbp.org/conference
2010 AISES Leadership Conference: The Difference Is You	TBD	Feb TBD	www.aises.org
Black Engineering of the Year Awards (BEYA)	Washington, DC	Feb 17-19	www.blackengineeringoftheyear.org
East Coast Asian American Student Union (ECAASU)	UMASS Amherst	Feb 18-20	www.ecaasu.org
DoD National African-American History Month Observance and Outreach Program	TBD	Feb TBD	www.asalh.org
20th Annual Women in Aviation International (WAI) Conference	Reno, NV	Feb 24-26	www.wai.org
Asian American Engineer of the Year (AAEOY) and Conference hosted by the Chinese Institute of Engineers, USA (CIE-USA)	Seattle	Feb 25-26	www.cie-usa.org
Thurgood Marshall College Fund (TMCF) 11th Annual Member Universities Professional Institute and Exhibition Conference	TBD	Mar TBD	www.thurgoodmarshallfund.org
Heroes and Heritage (H&H) Student Leadership Summit	Texas A&M University	Mar TBD	www.heroesandheritage.net
22nd Annual Nat. American Indian Science & Engineering Fair(NAISEF) sponsored by American Indian Science & Engineering Society (AISES)	Albuquerque, NM	Mar TBD	www.aises.org/Events/NAISEF
Joint Women's Leadership Symposium	San Diego	Mar 15-16	www.sealeader.org
DoD National Women's History Month Observance and Outreach Program	TBD	Mar TBD	
National Association For Equal Opportunity in Higher Education (NAFEO) - National Conference on Blacks in Higher Education	Washington, DC	Mar TBD	www.nafeo.org
National Society of Black Engineers (NSBE) Convention	St. Louis	Mar TBD	www.nsbe.org
National Image Inc. (IMAGE) Training Conference	TBD	Apr TBD	www.nationalimageinc.org
Eastern Technical and Career Conference (ETCC) - Regional SHPE Conference	TBD	Apr TBD	www.hetci.org
The Hispanic Association of Colleges and Universities (HACU) 15th Annual Capitol Forum on Hispanic Higher Education	Washington, DC	Apr TBD	www.hacu.net/hacu/capitol_Forum3_EN.asp
12th Annual Patriots Technology Training (PTTC) Youth Summit on Technology	Bowie, MD	Apr TBD	www.patriots-ttc.org

FOR MORE INFORMATION ON CYBERFOR'S DIVERSITY PROGRAM CONTACT:
LCDR MARK A. VENZOR AT (757) 417-7931 X 1 OR MARK.A.VENZOR@NAVY.MIL

DEPARTMENT OF THE NAVY

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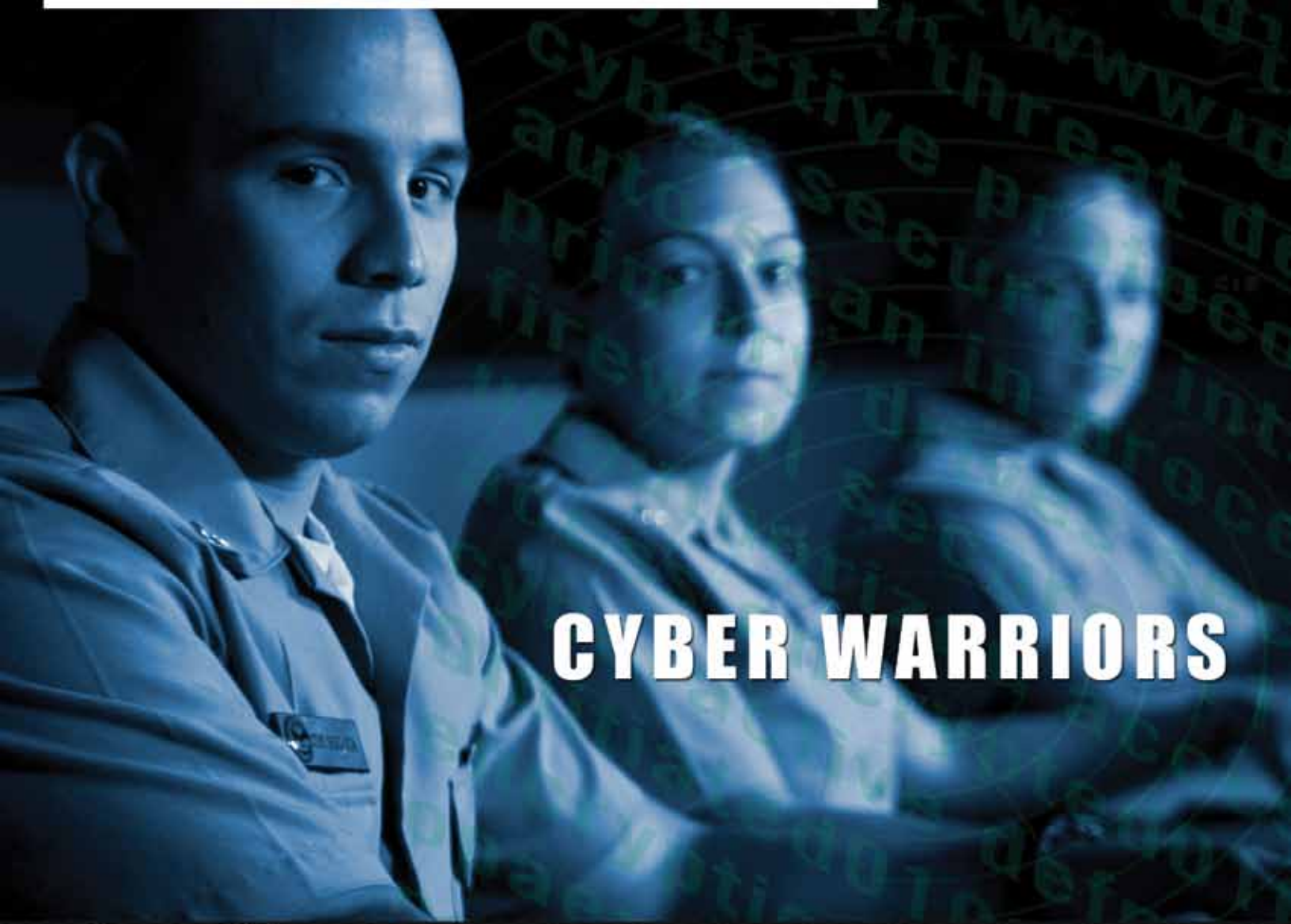

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