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ARMY RD&A BULLETIN

MAY - JUNE 1994

THE ARMY ACQUISITION CONFERENCE

ACQUISITION REFORM

INDUSTRIAL BASE

NEW TECHNOLOGY

TRAINING

SPECIFICATIONS

PM OF THE YEAR

MAY–JUNE 1994
PB 70-94-3

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06263

Research Development Acquisition ARMY RD&A BULLETIN

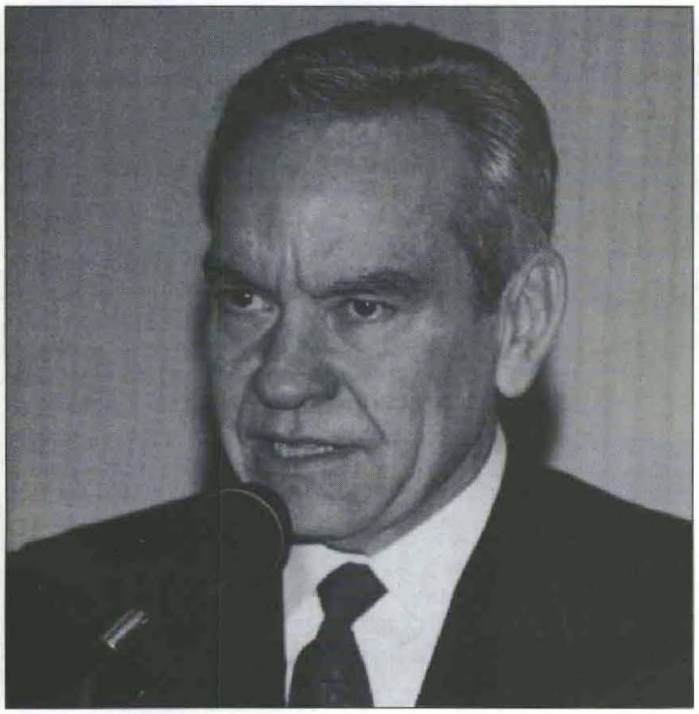
Professional Bulletin of the RD&A Community

FEATURES

DEPARTMENT

COVER

The Army Acquisition Conference, considered the premier event for addressing major issues impacting the Army's acquisition community, was held earlier this year in Orlando, FL. Sponsored by the Army Acquisition Executive, the conference drew numerous representatives from the DOD, Army and industrial acquisition leadership.



Hon. R. Noel Longuemare, principal deputy under secretary of defense (acquisition and technology), spoke on innovation, change and priorities in the Office of the Secretary of Defense.

Army Acquisition Conference...

CONFEREES DISCUSS KEY ACQUISITION ISSUES

Approximately 300 members of the Army acquisition community attended the Army Acquisition Conference, Feb. 23-25, in Orlando, FL. The purpose was to inform program executive officers (PEOs), program managers (PMs), and other key Army acquisition personnel about current and future acquisition policies and programs, and to provide a dialogue among all participants to improve the efficiency and effectiveness of the Army's acquisition process.

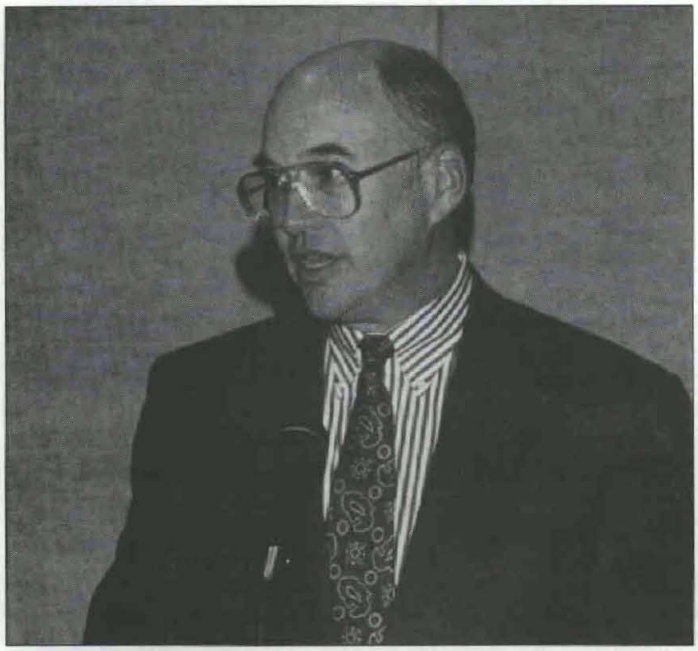
Sponsored by the Army acquisition executive, the conference featured presentations on topics such as acquisition reform, maintaining the industrial base, declining defense dollars, the use of commercial rather than military specifications, and the importance of training in maintaining a world-class acquisition system.

George E. Dausman, acting assistant secretary of the Army (research, development and acquisition) (ASA(RDA)) and Army acquisition executive, welcomed the attendees, emphasizing the importance of informal dialogue among speakers and participants. He said, "We in Army acquisition have our priorities right. We're working to maintain our technological edge. We're incorporating new technology into existing systems and linking those systems on the battlefield better than ever before. We're working to maintain the industrial base and we're working to reform the acquisition process."

A Department of Defense (DOD) perspective was provided by Hon. R. Noel Longuemare, principal deputy under secretary of defense (acquisition and technology), whose speech focused on innovation, change and priorities at the Office of the Secretary of Defense (OSD) and how these affect the entire acquisition community. Longuemare said that in the DOD/PEO interface an integrated team effort is needed, and recommended making cost a priority in acquisition programs. Relative to acquisition reform, he said, "Why should we do it? The real answer is that we have no choice, because if we don't do acquisition reform we won't be able to afford the things we must buy; and also the industrial base that is needed to build these new technologically-advanced products will not be there. So it's not a matter of choice, it's a matter of absolute necessity."

Following Longuemare's discussion, Dausman returned to the podium to read a message by Secretary of the Army Togo D. West Jr., who could not attend. West believes that critical elements in maintaining an Army that is the premier land force in the world are: quality soldiers, quality training, and quality acquisition technical enhancements. "I believe the key factor in maintaining a reduced, but highly versatile and lethal force is the accession, training and retention of high quality personnel, both soldiers and leaders," he wrote. His message stated that readiness of the force, mobility, modernization, and acquisition reform are key to preparing the Army for the 21st century.

An overview of DOD budgetary issues was provided by Bruce A. Dauer, assistant deputy comptroller (program/budget). He commented on the Bottom-Up Review, which aims at goals such as reducing threats, preserving key elements of the industrial base, and sustaining an overseas presence. He said that attention is currently being given to readiness. To remedy problems such as unmatched disbursements, he said that acquisition and financial communications must work together to identify errors and pursue



G. Dean Clubb, president of the Defense Systems and Electronics Group, Texas Instruments, provided an industry perspective on enterprise.

MG Jay M. Garner, assistant deputy chief of staff for operations and plans, force development, discussed digitization of the Army battlefield.

corrections.

MG Jerry C. Harrison, chief, legislative liaison, Headquarters, Department of the Army, described the current legislative environment. He opened by saying that a modernization plan by a team led by LTG William H. Forster, military deputy to the ASA(RDA), and MG Jay M. Garner, assistant deputy chief of staff for operations and plans, force development, is viewed positively on the hill, as is digitization. He urged the conference participants to know their programs well and to keep all involved parties informed. "Speaking with one voice is the greatest thing we can do to get your program through—one voice with the contractor, OSD and the Army."

Luncheon speaker G. Dean Clubb, president of the Defense Systems and Electronics Group, Texas Instruments, provided an industry perspective on enterprise, which he said includes the entire process, from setting requirements to delivering products or services. Clubb stated, "The competitive pressure that applies to commercial business is not any different from the competitive pressure that has come to bear on the Defense Department with lower budgets." According to Clubb, critical to success is that everything is driven by value to the customer, who in the acquisition business is the soldier. He encouraged the attendees to look to *themselves* for job security—to look for ways to become more marketable.

MG Garner discussed the digitization of the Army battlefield. He said, "Objectively, we want the information that the corps commander has to be whittled down to the right amount for the division commander, the same for the brigade commander, the same for the battalion commander, the same for the company commander, and the platoon leader, right on down the platform. We want then, for each of those subordinate commanders to have just the information that he needs to operate in real time or near-real time in a synchronous manner within his sphere of influence."

Deputy Director of Land Warfare, Office of the Under Secretary of Defense (Acquisition and Technology) Andrus Viilu spoke about the evolution of the Defense Acquisition Board (DAB) decision-making process in recent years and current and projected DAB trends. He said that the DAB priority of retaining a technological advantage over the Soviet Union shifted to risk mitigation and affordability as the threat posed by the Soviet Union degraded. Projected trends include a focus on joint warfare and technology insertion.

LTG Leo J. Pigaty, deputy commanding general of the Army Materiel Command (AMC), gave a presentation on AMC acquisition initiatives. He said that as AMC downsizes and reshapes, there is a cultural shift toward business orientation. Also, acquisition vision, which strives for world-class equipment, reduced cycle time, and best-value contracts involves a considerable amount of streamlining. According to Pigaty, education is the key to this. Thus, AMC, working with OSARDA, designed intensive courses known as Roadshows, (see the July-August 1992 and January-February 1993 issues of *Army RD&A Bulletin*) which train Army organizations and members of industry to streamline. "Policy statements don't work unless people understand them. So that's been the whole three-year Roadshow training philosophy," Pigaty said.

H. Deihl McKalip, who heads the Defense Security Assistance Agency Operations, spoke about the international marketplace. He emphasized that to keep defense exports, which are important to the Army, acquisition

people should focus on customer satisfaction. Security assistance people at all levels need to be advocates of the customer, he added.

A briefing on economic security was provided by Acting Director of Manufacturing Modernization, Office of the Deputy Assistant Secretary of Defense (Production Resources) Gregory Saunders. He illustrated the importance of this issue stating, "The current national security is as inextricably linked to economic security as it is to our ability to design, build and buy weaponry. The Soviet Union came apart because it was defeated *not militarily,* but *economically.*" He said that merging the civilian and military industrial base is critical and, that to do so, barriers will have to be overcome. These barriers include military-unique specifications and standards, and a work force that is trained to do things "the government way."

The dinner address, by Deputy Under Secretary of Defense (Acquisition Reform) Colleen Preston, focused on current and needed changes to the

(Continued on page 4.)

The dinner address was given by Colleen Preston, deputy under secretary of defense (acquisition reform).

PM of the Year Awards

Product and Project Manager (PM) of the Year Award recipients were recognized during a dinner presentation at the Army Acquisition Conference, Feb. 24, in Orlando, FL.

LTC Stephen G. Kee, one of two product managers of the year, was assigned as PM, Hypervelocity Launcher in July 1991. He is responsible for the management and development of hypervelocity weapons programs applicable to ballistic missile defense.

LTC Michael W. Rogers, also named product manager of the year, assumed duties as PM, Special Operations Aircraft in February 1992. He leads development, production, field introduction and sustainment of MH-47E and MH-60K helicopters.

Project manager of the year COL John S. Caldwell has served as PM, Abrams Tank since July 1990. He is responsible for development, production, fielding and ILS for all variants of the Abrams Tank, to include fielded M1, current production M1A1, and development of M1A2 tanks.

Above, George E. Dausman (far left) and LTG William H. Forster (far right), present Product Manager of the Year Awards to LTC Stephen G. Kee (second from left) and LTC Michael W. Rogers. Right, COL John S. Caldwell receives Project Manager of the Year Award.

MG Robert B. Rosenkranz, commanding general of the Operational Test and Evaluation Command, discussed strategies to streamline operational test and evaluation.

acquisition process. Change is necessary, she said, because of new national security changes; declining defense budgets including dramatic drops in procurement dollars; and rapid changes in technology. "Today's acquisition system," she said, "is a complex web of laws, regulations, policies, and key here is that they were adopted for laudable reasons. That is the key to acquisition reform—remembering that there was a reason why each one of these provisions was put into place." These reasons include standardized treatment of contractors and ensuring that the government receives a fair and reasonable price.

Preston urged members of her audience to use their judgment with these issues. "The challenge for everyone in this room is to push forward to the maximum extent you can in trying to change the way we do business, and you will get support from us."

The dinner also included presentation of PM of the Year Awards (see sidebar on page 3.).

MG Robert B. Rosenkranz, commanding general of the Operational Test and Evaluation Command, kicked off the following day with a presentation on streamlining operational test and evaluation. He discussed several elements of streamlining, including the use of alternate data sources. "Data from modelling and simulation is clearly on the rise. To the degree that it keeps you from going to live testing it is very important," said Rosenkranz.

BG Gerald C. Brown, director of environmental programs, Headquarters, Department of the Army provided an overview of environmental programs. He said that the Army's environmental goals are to comply with environmental standards; protect natural and cultural resources; clean up installations; and prevent future pollution. Brown's appeal to the attendees was, "We have to lead this country to solve its environmental concerns—and not only this country. We're talking about leading this world. The Army, as a developer, as a builder, as a user, as an owner of high technology systems, can support, in the manufacturing sector of this country, environmentally-sound technology. As an operator of posts and installations we can influence the way we operate in reducing harmful effects in our communities and on the local populations."

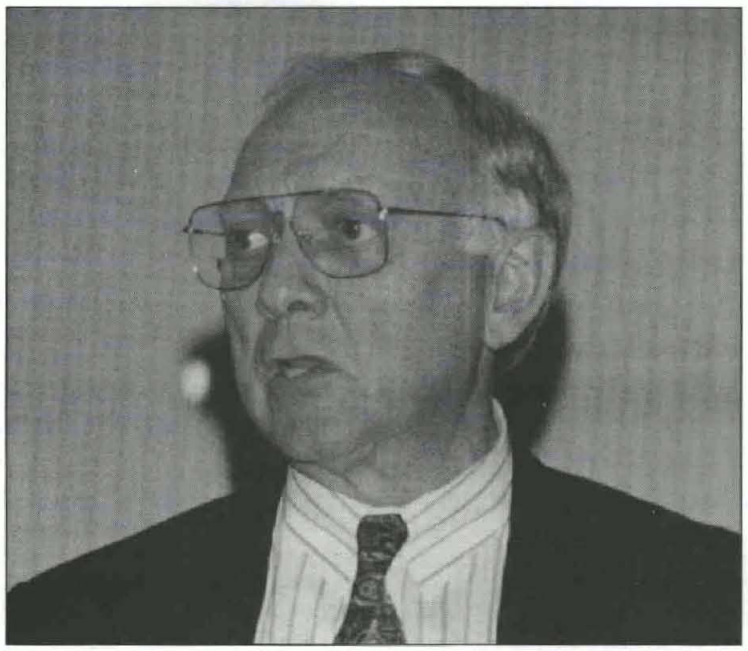
Commander of the Army Safety Center COL(P) Thomas W. Garrett furnished a presentation about force protection in Army modernization. He noted that there is a downward trend in the number of Army accident rates, and that the acquisition community is leading the Army in the innovation of the risk management process. He cautioned, "As we continue to streamline the acquisition process we have to guard against losing the gains risk management has brought us."

COL Lee Thompson, commander, Defense Contract Management District North Central, Chicago, IL, explained what the Defense Contract Management Command (DCMC) has to offer the acquisition community. He said that the DCMC, equipped with quality engineering and contracting people, is a "tool in the PM toolbag," and can help acquisition leaders participate in negotiations. A process orientation and early involvement of contract administration services are aids on the road to customer satisfaction, according to Thompson.

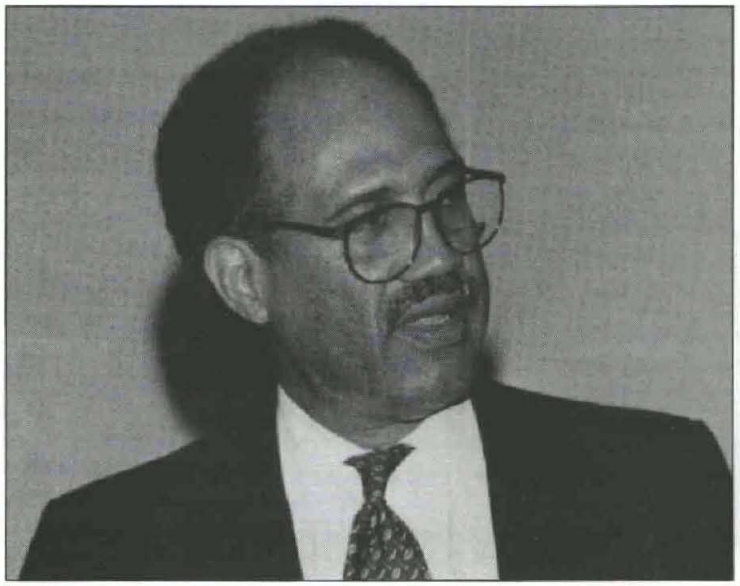
A discussion of small and disadvantaged business utilization was provided by Daniel R. Gill, director, Office of

BG Gerald C. Brown, director of environmental programs, HQ DA, provided an overview of environmental programs.

> Education and training is clearly an integral part of everything we do to make sure we have a world-class Acquisition Corps.
> —Dr. Bennie H. Pinckley



Dr. Bennie H. Pinckley, deputy director for acquisition career management, OASARDA, provided an Army Acquisition Corps update.



A discussion of small and disadvantaged business utilization was provided by Daniel R. Gill, director, Office of Small and Disadvantaged Business Utilization.

Small and Disadvantaged Business Utilization. "Our leaders have made clear the importance of maintaining the very valuable part of the industrial base that is represented by small business," Gill said. He added that significant strides are being made in the area of women-owned business, stating, "We continue to put emphasis on those particular awards."

The work of a DOD acquisition reform process action team on specifications and standards was described by James H. Sullivan, who at the time was chief of the Army Standardization Office, and has since been named director of the Army Acquisition Pollution Prevention Support Office. Of the team's draft recommendations he discussed, Sullivan said that one, related to performance specifications, would affect the PM the most—that the government take control of functional requirements, giving the contractor latitude to implement any design solution that meets that performance requirement.

Dr. Bennie H. Pinckley, deputy director for acquisition career management, OSARDA, provided an Army Acquisition Corps Update. He discussed acquisition law, noting that the Defense Acquisition Workforce Improvement Act (DAWIA) is now in full-force. He also noted that the make-up of the corps is largely procurement and contract specialists and members of the engineering and science community. Said Pinckley: Education and training is clearly an integral part of everything we do to make sure we have a world-class Acquisition Corps. Education and training is very much specified in DAWIA. Pinckley also stressed the need to emphasize additional business acumen. We need additional business emphasis without loss of technical ability, he said.

Closing remarks were given by LTG William H. Forster, military deputy to the ASA(RDA). He characterized the current international environment as unstable and unpredictable. He outlined a number of acquisition "success stories," including the Global Positioning System receiver, the price of which was dramatically reduced through the application of acquisition reform principles. "Streamlining is not optional. The budget demands it. If we're going to make our soldiers safe, secure and effective on the battlefield, we will have to streamline," Forster concluded.

Editorial Note: As this issue of Army RD&A Bulletin was being put to press, Gilbert F. Decker was sworn in as the new Assistant Secretary of the Army (RDA).

INTERVIEW WITH DR. BENNIE H. PINCKLEY DEPUTY DIRECTOR FOR ACQUISITION CAREER MANAGEMENT

Q. Could you describe your background in acquisition?

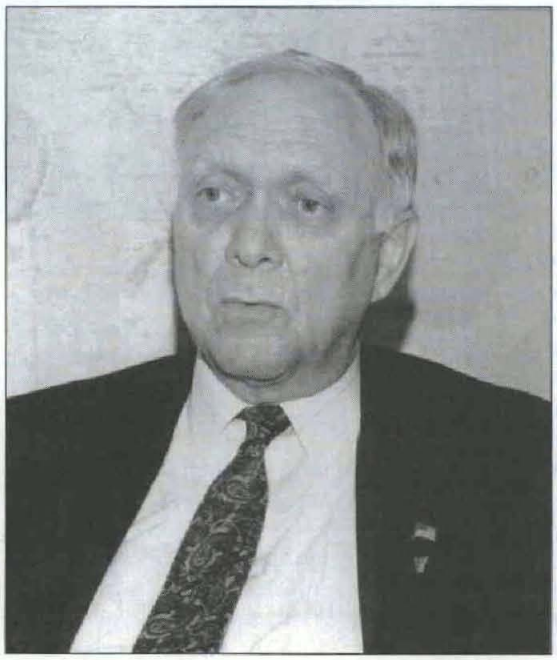
A. I have spent my entire career working in Army acquisition, most of the time in project offices. I should add that my efforts in the acquisition arena actually preceded the Army's involvement in project management. I was also involved in the initial establishment of program executive offices [PEO]. With regard to my managerial background, I have spent most of my career in technical management. For example, I was the chief engineer on the Hawk system for more years than I will admit to. Just prior to coming to Washington, I was the project manager for the Ground Based Surveillance and Tracking System and in my position prior to that I served as the deputy PEO for Air Defense. The move to Washington was not only a geographical change, but was also a career change for me. My current position has provided me the first opportunity to spend significant periods of time in career management. It is also my first assignment in the Pentagon, which really is a different environment.

Based upon my project management activities, I think I do bring a fair amount of background knowledge and experience in assuring that I do the right things relative to the Acquisition Corps.

One other thing I might mention is that the dissertation for my doctoral program, which was initiated in the early 80s, was related to the need to have a career program for technical managers employed in project offices. So that worked out well in view of what I am currently involved in.

Q. Why did you accept the position as deputy director for acquisition career management?

A. I think I did it primarily because it was a challenge. I could have retired but chose not to. I wanted to contribute something to the Acquisition Corps. I do support the way the Army does business and I firmly believe that we are the premier Service in materiel acquisition for the soldier. However, I do think we can make significant improvements and that my background in project management will help me contribute. This job appealed to me, it sounded challenging, and it looked like something I would really like to do.

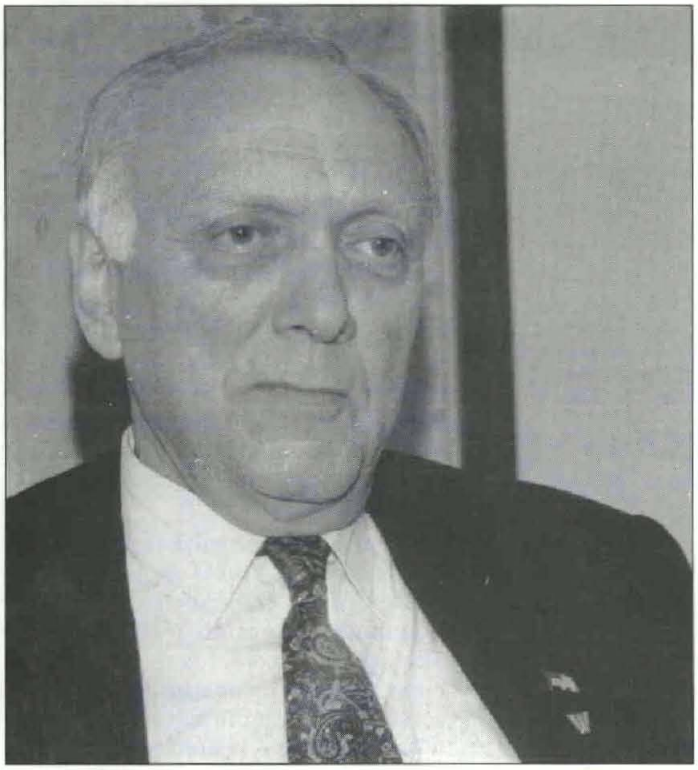


Q. How would you describe your management and personnel philosophies?

A. I grew up in the Taylor school of management, which is very much task oriented. However, over the years I have modified my management style significantly. I am now more oriented toward people than I was in the past. My management style is more oriented toward career management and people management rather than program management and technical activities. My philosophy has evolved over a period of time and my management style today is more of a participative type and more attuned to making sure that people have career paths and goals.

Q. You indicated earlier that you took your current position because of the challenges it presented. What are the specific challenges associated with your position?

A. One of the challenges I cite most often is that of trying to keep the Acquisition Corps viable and insuring that improvements are being made. Specifically, I believe we have a need for integrating branch and Acquisition Corps activities for Army personnel and for integrating matrix and Acquisition Corps activities for civilians. We need to emphasize expertise in military and technical matters along with expertise in acquisition matters. In the recent past, some career managers have tended to forget about their people after they become members of the Acquisition Corps. One of my primary goals is to make sure that we keep the soldiers green and the civilians functional, as well as being masters in the acquisition area. I should note that the military portion of the Acquisition Corps is function-



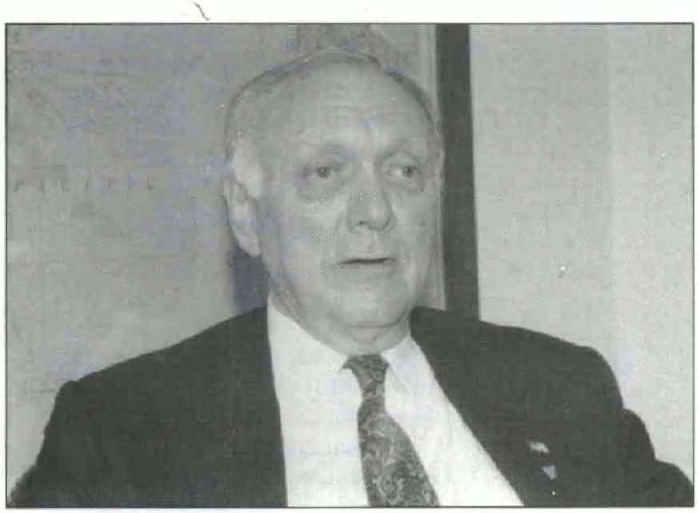
The Army is in front and I want us to stay there, but we need to maintain our professionalism, increase our expertise, and provide the necessary education and training in order to make that happen.

ing relatively well. However, we do have a major challenge because many of the civilians have rejected the Acquisition Corps or have lost confidence in it. One of the things I hope to do is to re-establish confidence in the Acquisition Corps.

Q. What is your vision for the acquisition workforce and the Acquisition Corps?

A. We need to emphasize increased professionalism so that we end up with an Acquisition Corps that will continue to be second to none. The Army is in front and I want us to stay there, but we need to maintain our professionalism, increase our expertise, and provide the necessary education and training in order to make that happen. The key is to make sure that training and educational opportunities are provided. This is an integral part of everything we are trying to do.

Q. Do you think the funds will continue to be available for training and education?



A. I believe so. During the last two years, we have had a fairly consistent level of funding and all indications are that this funding will continue. We do have to be very careful that we don't end up with more people in the Acquisition Corps than we have funds to train. Once we bring people into the Corps, I believe we are morally bound to provide whatever is necessary to give them a proper career path. We have been expending approximately $5 million a year and we anticipate that this will continue. This $5 million is over and above the funding for mandatory courses which is provided by the Defense Acquisition University. When we talk to Congressional staffers it appears that they will continue to provide the support that is needed.

Q. What advice would you give to someone contemplating a career in the Acquisition Corps?

A. I would advise them to become a member of the Acquisition Corps and help expand the corps' expertise and capabilities. We are totally committed to making sure that it works, that it is professional, and that it provides the best equipment for the soldier. Anyone who has these goals and who is involved in materiel acquisition should aspire to be in the Acquisition Corps. We intend to make the corps accessible and assure that it provides the right training and experience so that people can rise to their optimum level of capability.

Q. Is there anything else you would like to comment on?

A. Yes. I want to stress that the Army provides great career opportunities for both civilian and military personnel and that the Acquisition Corps will remain the backbone for advancement. This is particularly true during a period of "right sizing" as far as the workforce is concerned. Our jobs are going to continue to be extremely critical and an integral part of everything the Army accomplishes. Therefore we should take pride in what we do and be all that we can be—in the AAC.

CENTER OF EXCELLENCE FOR AUTOMOTIVE RESEARCH. . .

RESEARCH MODULE OF THE NATIONAL AUTOMOTIVE CENTER

By Dr. Walter Bryzik

Introduction

As was discussed in some detail within the November-December 1993 issue of *Army RD&A Bulletin*, the U.S. Army Tank-Automotive Research, Development and Engineering Center (TARDEC) established the National Automotive Center (NAC) to serve as a catalyst linking government, industry, and academia (See Figures 1 and 2). The NAC strives to foster and facilitate basic automotive research, technology development, manufacturing development as well as professional development. This article focuses upon the automotive research module of the NAC.

Objectives

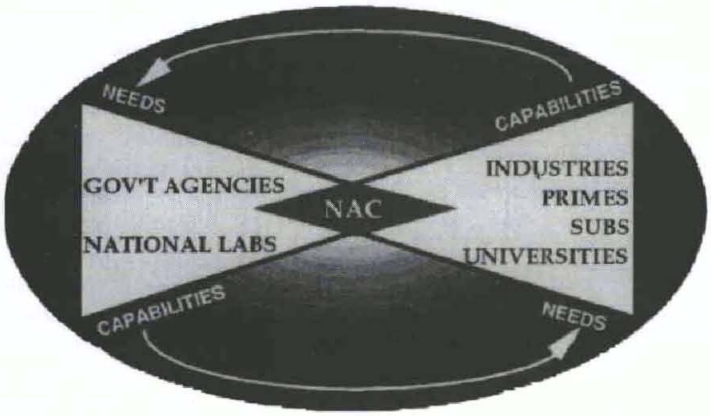
TARDEC has issued a Broad Agency Announcement (BAA) requesting proposals for a Center of Excellence for Automotive Research (See Figure 3). The proposed center is to be formulated by a university or consortium of universities, working in close partnership with automotive related private industry and government in order to provide state-of-the-art research support to TARDEC in areas of critical automotive research. This center will be required to closely and frequently interact with TARDEC personnel and facilities in joint cooperative efforts of research. Innovative means which effectively achieve these goals are encouraged within the subject BAA proposals.

The center will also be required to interact frequently and effectively with all aspects of the automotive industry. It is important that the center be capable of accomplishing these interactions in an efficient, practical, and cost effective manner. The center will establish partnerships with government, academia, and private industry, and make full use of all partnerships already in place. These center partnerships are to form a synergistic team which draws heavily on current resources, making full use of existing technology and minimizing repetitive research and duplication of previous efforts. This complete use of existing technology will focus the center's activities on both military and dual-use aspects of automotive needs.

The center must fully coordinate its activities with other on- going government/industry/academia efforts within the automotive research arena to form a complementary, enhanced automotive focus. As an example of coordina-

NATIONAL AUTOMOTIVE CENTER

A NEW ARMY TANK-AUTOMOTIVE RESEARCH, DEVELOPMENT
& ENGINEERING CENTER INITIATIVE
to
Forge Joint Initiatives Among
Government Agencies, Industry, & Academia in all Aspects of Automotive Technology



- Exploits Dual-Use Technologies
- Leverages Each Others Unique Capabilities
- Strengthens Military & Automotive Industrial Base
- Outreach, Education, Training & Development
- University Center of Excellence in Automotive Research

Figure 1. Overall mechanism of the National Automotive Center.

tion with these current efforts, the Army, DOD, and other government agencies are performing generic research which is indirectly applicable to focused automotive research. The proposed center should build on this existing technology base (as well as those of industry and academia) to achieve the overall center objectives.

Overall Technical Scope Requirements

Proposals sought for the Center of Excellence for Automotive Research are to focus on research dealing with essential frontiers of advanced automotive technology. While the work of the center is to be focused toward the overall category of automotive technology, the research should reflect a fundamental building block character which could then be transferred to either military or dual-use automotive applications. The center is to involve multi-year efforts, and cost- sharing (including in-kind sharing) from academia, private industry and state and local government sources is strongly encouraged. Again, ease, efficiency, and practicality of technology transfer to TARDEC on a frequent and continuous basis are key elements for consideration.

Center technology transfer to TARDEC shall include, but should not be limited to: research results, technical personnel exchanges, mutual equipment use, reciprocal educational instruction, and advanced degree pursuit emphasizing state-of-the-art automotive research. For example, one technical exchange method could include distinguished center and/or Army fellows pursuing doctorate level degrees in areas of center automotive research.

Research Content

The center's research content is to emphasize overall automotive research in support of TARDEC's technological mission of being a world leader in ground vehicles. Center research support shall enhance TARDEC's ability to achieve technological superiority in military ground vehicles and to support an industrial base which provides the most advanced, affordable military systems.

The primary thrust of TARDEC's research needs revolves around the ability to simulate complete military

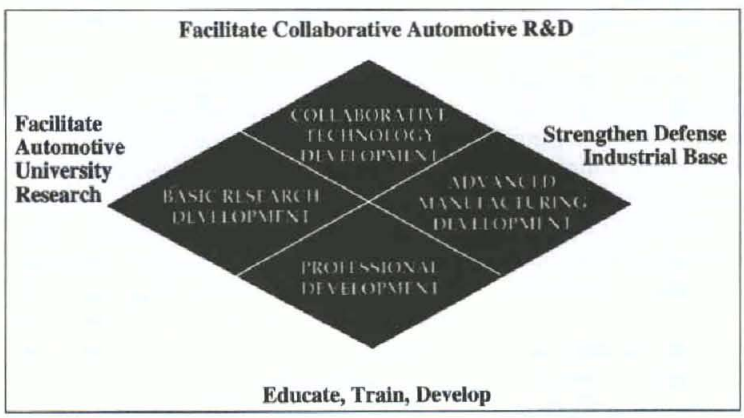


Figure 2. National Automotive Center approach.

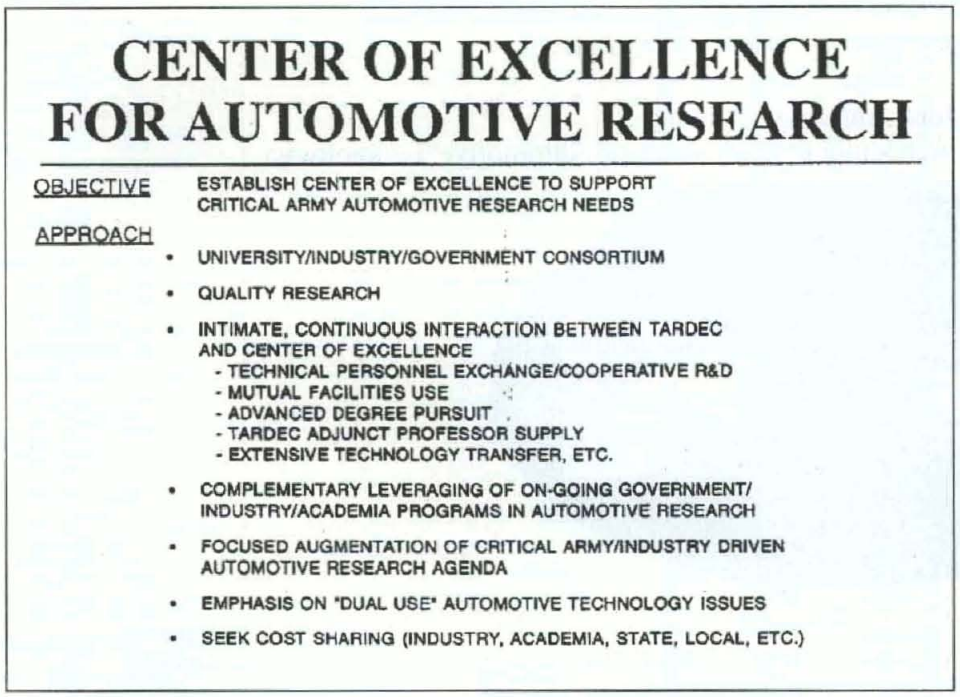


Figure 3.
Elements of the Center of Excellence for Automotive Research.

ground vehicle systems in an accurate and fundamental manner. Such an overall simulation capability permits military vehicles to be developed in the most optimized and cost effective manner possible, while reducing the time needed to produce such a system by orders of magnitude (i.e., provide TARDEC with the complete capability to do virtual vehicle prototyping. The proposal shall address this overall simulative research thrust through the use of state-of-the-art research activities.

The center's research activities must make comprehensive use of all on-going government/industry/academic activities in the automotive research arena. These activities will focus on augmenting critical Army/industry driven military and dual-use automotive research items where technological voids currently exist but are not adequately being worked on by other government/industry/academic sources.

Example key areas of research needed to support this overall military/commercial vehicle simulation capability include (but are not limited to) the following:

• **Vehicle Terrain Dynamics**—Modeling and simulation of complex on-road and off-road vehicular systems, at both linear and highly non- linear vehicle conditions (i.e., tracks, tires, rollers, etc., under all ground conditions). Work must also consider vehicle/component interactions with respect to widely varying terrain inputs. Typical components of relevance include: control strategies for automotive traction and braking, modeling of active suspension components, electric drive and other transmission drive component inputs, and innovative cooling and air filtration concepts. One of the model outputs should address performance metrics (i.e., acceleration, ride quality, peak cornering forces for handling, etc.).

• **Vehicle Hardware/Human Interface Simulation**—Modeling of characteristics of complex hardware/human (i.e., driver/passenger/soldier) sub-systems. Typical subsystems include: computer hardware/software configurations, sophisticated information displays, information/communication control strategies, sensor suite characteristics and control strategy, critical pneumatic and hydraulic actuated automotive inputs, on-board and high speed safety diagnostic systems, and crash avoidance/driver safety strategy.

• **Modeling and Simulation of Vehicle Structures**—Typical topics include: vehicle body integrity (i.e., failure mode, impact characteristics, etc.), prediction of structural response to complex mechanical and thermal loads (including impact vibration and noise), development of mechanism models of advanced new materials (i.e., metals, ceramics, composites, intermetallics, etc.) including fatigue prediction, and assessment of reliability (i.e., high cycle fatigue) and durability.

• **Advanced Mobility Technology Simulation**—Develop research methodologies to simulate advanced mobility technology/systems to permit their evaluation and optimization prior to expensive and lengthy hardware fabrication and test. This task emphasizes both steady-state and transient simulation capabilities which must ultimately be applicable to full scale components.

Conclusions

This Center of Excellence for Automotive Research is positioned as a basic building block within TARDEC's National Automotive Center as it strives to become the premier, "dual-use" automotive institution in the world. The proposed center represents an exceptional opportunity for the Army to leverage automotive technology from within government/industry/and academia for the purpose of meeting critical Army automotive research needs.

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Nondestructive Evaluation...

A CRITICAL STEP IN THE PRODUCTION OF QUALITY COMPOSITE PARTS

By Diane S. Kukich

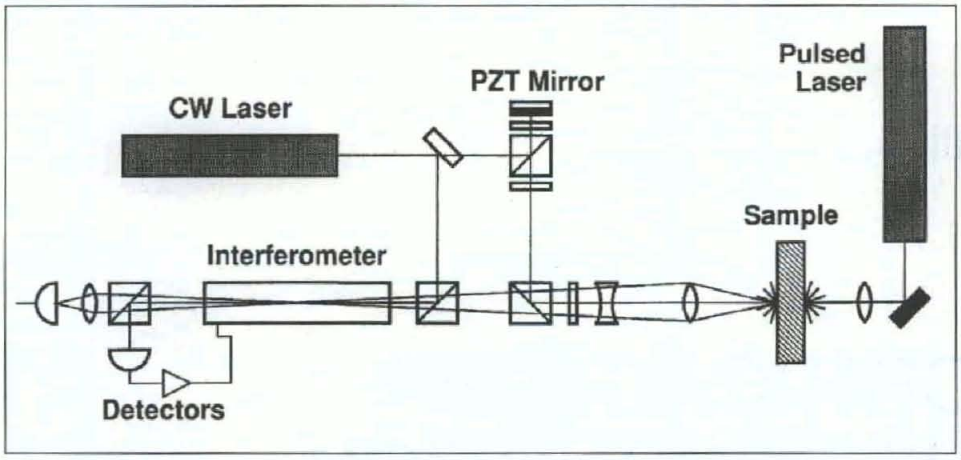
Background

As defined in previous articles in *Army RD&A Bulletin*, composites are materials with two or more components that combine to yield characteristics superior to those of the individual constituents. Generally, a polymer, metal, or ceramic matrix is reinforced with fibers, fabric, whiskers, or particulates. Ensuring the quality of composite parts is essential, but this can be difficult because of the combinations of materials involved. Under the general direction of Assistant Director Karl V. Steiner, researchers at the University of Delaware Center for Composite Materials (CCM)—an Army Research Office (ARO)/University Research Initiative (URI) center of excellence for composites manufacturing—are investigating a variety of nondestructive evaluation (NDE) techniques.

NDE methods, in contrast to destructive testing, enable the inside of a material or structure to be examined without destroying it. While the term may sound highly technical, the motivation for developing nondestructive methods is somewhat analogous to the need for a way to test the viability of matches without lighting them. Lighting one match does not ensure that the rest of the pack will light, and lighting them all leaves you without a valuable product.

The researchers at CCM have adopted a comprehensive "damage tolerance approach" to NDE. The first steps are to determine whether defects exist and locate them; this includes not only locating them along the length and width of the part but also measuring their depth within the composite. The next step is to establish the defect class—Is it a crack, a void, a delamination, a contamination? Finally, the approach involves predicting the criticality of the damage—Will it grow?—and determining the growth behavior—How will it grow? Thus, NDE provides a base of information for suggesting methods to prevent growth and deciding how to correct the problem. The ultimate decision can range from "leave it there," to "cut it out and repair the part," to "replace the entire part."

Determining the integrity of composite parts is more complex than examining homogeneous materials like steel or unreinforced plastics, although many of the same techniques are used to gather visual and auditory data. Generally, the more information a technique yields, the more expensive it is, so "high-tech" NDE methods are generally reserved for high-cost materials and/or application-critical components. For example, the quality and durability of a helicopter rotor blade are obviously far more critical than those of a passenger seat. Similarly, a filament-wound part made of a high-cost resin reinforced with carbon or aramid fibers warrants a more costly NDE inspection than, for instance, a molded one made from glass and polyester. Thus, common NDE methods range from visual inspection, "tap" testing, and leak testing at the low end to thermal imaging, ultrasonics, and X-ray radiography at the high-resolution, high-cost end. Most of the NDE research at CCM has focused on ultrasonic methods.



Acousto-ultrasonics show promise for on-line inspection of continuous composites manufacturing processes such as pultrusion.

Ultrasonic NDE Techniques

Ultrasound, widely used as a diagnostic tool in the medical field, involves sending an ultrasonic wave through a medium and measuring the response. The research at CCM has focused on three core issues involved with ultrasonics: ways of introducing the sound wave into the composite and measuring the response; methods of visualizing the waveform and enhancing the image; and approaches for correlating the resulting information with the various classes of composite defects.

Coupling Techniques

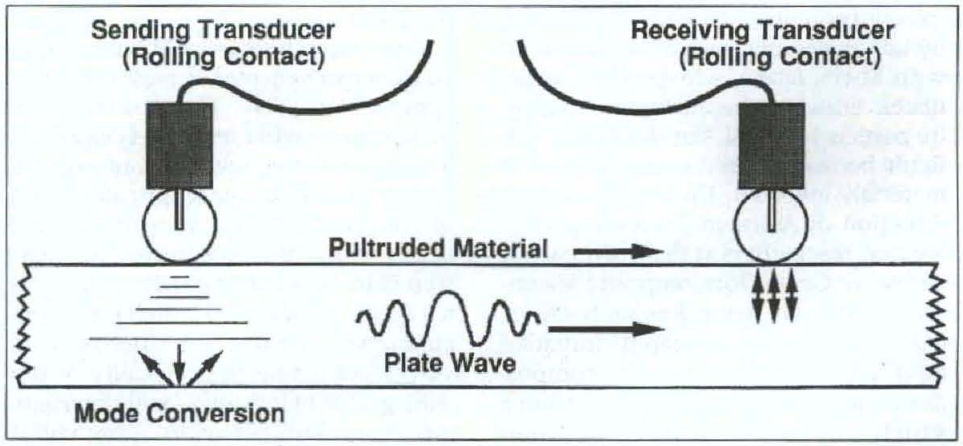
Traditionally, a liquid medium such as water or oil is used between the electronic transducer and the part under inspection so that the waves enter into the part and yield information about its interior rather than just "bouncing off" it. This necessitates placing small parts in an immersion tank or scanning large components with a squirter system, practices that are not always desirable or practical.

Recent ARO/URI-supported research at CCM has now focused on using laser-generated ultrasound to interrogate composite components. Conventional ultrasonic methods require either that acoustic transducers and the material under test be in direct contact or that both the transducers and the test material be immersed in a coupling fluid. Both approaches impose severe limitations on in-situ testing.

In contrast, laser ultrasonic methods are based upon excitation and detection of sound through the use of laser light. Sound detection with lasers is based on the effects of a vibrating surface on the reflection of light. When light is reflected from a moving surface, the reflected light is Doppler-shifted. Just as radar guns can be used to detect the speed of vehicles, analysis of the reflected light can be used to determine the speed of the surface motion. The chief disadvantages are the cost and bulk of the required lasers and the complicated optical equipment needed for signal recovery. Fortunately, emerging technologies based on laser-diode pumping offer the promise of much more compact lasers that can be used in NDE applications; the researchers at CCM are now investigating the use of these technologies.

In another ARO/URI project, acousto-ultrasound has been identified as the most likely candidate for on-line, non-intrusive inspection of the thermoplastic pultrusion process. This technique uses two tranducers positioned on the same side of the part being inspected. An ultrasonic pulse sent from one transducer interacts with the sample and is then received by the second transducer. Analysis of the signal results in a stress wave factor, which measures the ability of the material to transmit the ultrasonic energy.

Another ultrasonic method, through-transmission ultrasound (TTU), is being applied to investigate the quality of composite joints made using the center's automated resistance welder (see article in March-April 1993 issue of *Army RD&A Bulletin).* The welder was recently modified to increase the level of computer control and to allow greater flexibility in mounting and testing sensors. A series of experiments indicates that TTU sensing can detect the onset of intimate contact as well as melting of the adherends for various combinations of processing parameters. Both intimate contact and melting



The use of lasers to generate and detect ultrasonic energy eliminates the need for a liquid coupling medium.

are potential indicators of the extent of bonding.

In traditional ultrasonic investigation, a "C-scan," or two-dimensional image of the part, is generated. With this approach, matrix cracking has to be at a significant level before the damage becomes visible. Polar backscattering techniques, in which the transducer is moved across the specimen at a 30 degree angle rather than normal to the surface, offer a solution to this problem. This approach reduces the amount of information about the laminate returned to the transducer because—in contrast to traditional C-scanning—a well-consolidated specimen without matrix cracks will not reflect ultrasonic energy back to the transducer. However, a vertical matrix crack will now act as a reflector and return an increased signal to the transducer. These increased reflections can then be easily projected in a two-dimensional image and analyzed. Thus, cracks that would not have shown up on a traditional C-scan are now clearly visible.

Image Enhancement

Within the past few years, center researchers have expanded C-scans into digitized full-volume waveform images, which yield detailed information about the entire scanned part, rather than just a small portion of it. Two image-enhancement software packages have been developed at the center, and a third has been transferred from another ARO/URI university center, substantially increasing the interpretive capabilities of CCM's NDE facilities.

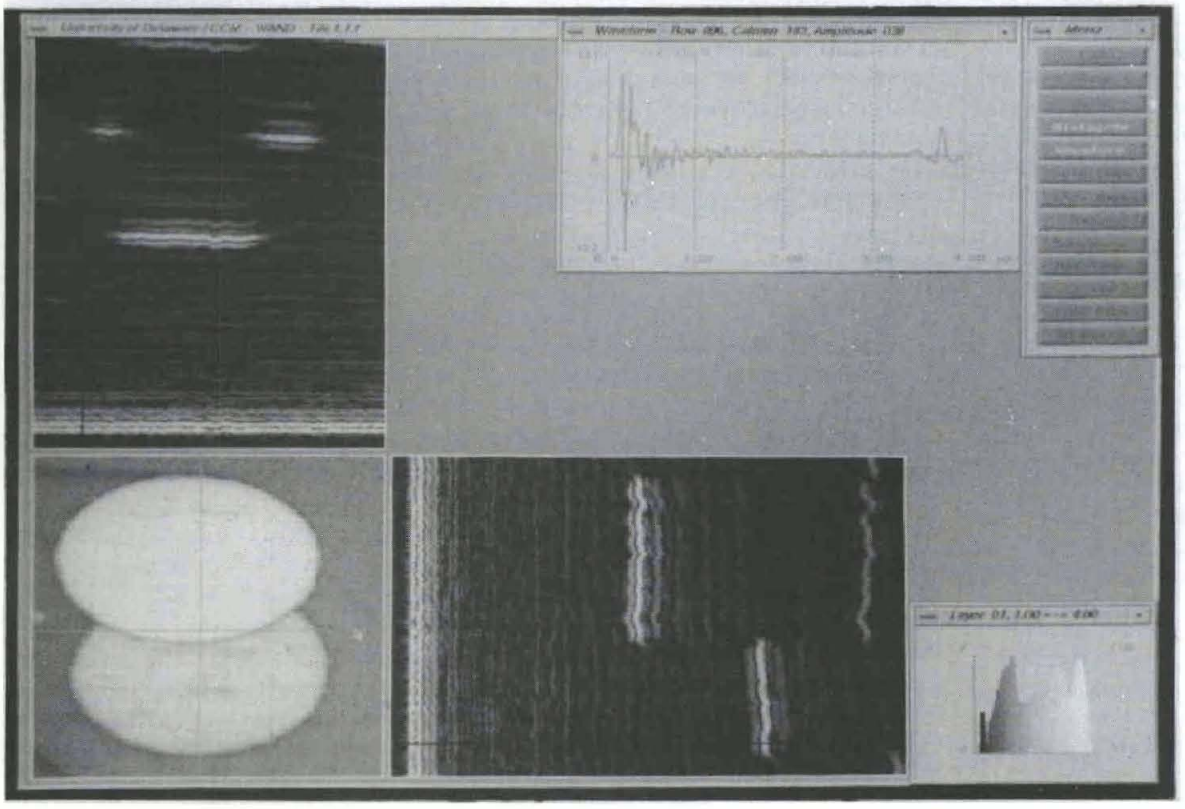
The "INDEX" (interactive NDE enhancement) program enables the user to interactively enhance digitized images—such as C-scans or time-of-flight data that depict the depth of flaws—and thus highlight particular features that would otherwise be hidden to the human eye. These scans are based on maximum echo amplitudes within a given depth.

The "WAND" (waveform analysis for nondestructive evaluation) software uses the graphical capabilities of new computer work stations and windowing systems to enhance scans obtained through ultrasonic methods. In contrast to INDEX, WAND uses the entire digitized ultrasonic waveform to form its images. The program has two primary purposes: to reveal hidden information or remove irrelevant information or noise by using advanced algorithms; and to visualize this information by using image processing and enhancement techniques.

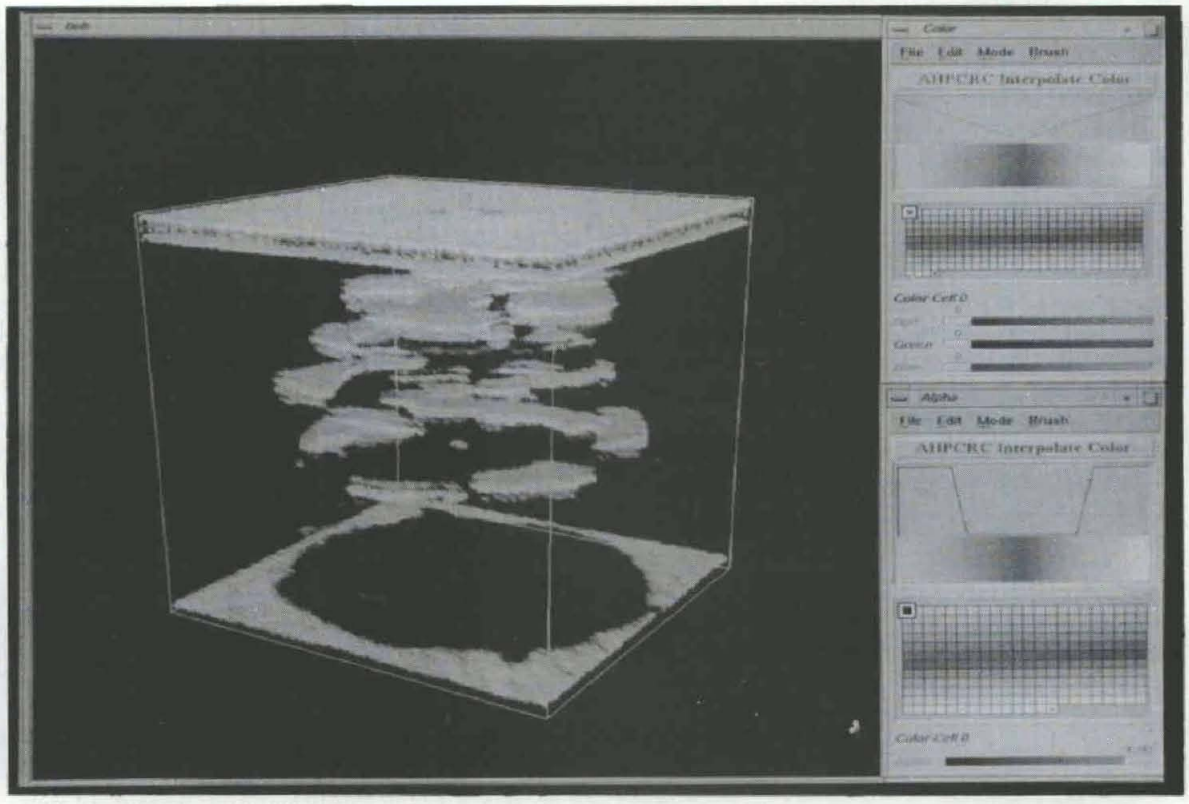
CCM's NDE research recently received a major boost when a new image enhancement software package was transferred to the center from the Army High-Performance Computing Research Center at the University of Minnesota. Developed by Professor Paul Woodward and Ken Chin-Purcell, the "BOB" (Brick of Bytes) software is a powerful tool for understanding of composite materials NDE data. BOB, which enables display of digitized ultrasonic NDE data in a volumetric environment, provides the researchers with a significantly increased ability to visualize defects such as voids, inclusions, and delaminations in a composite. As with other ultrasound approaches, BOB has been applied in other fields, including medicine and forensic science. Its application to composites is relatively new and offers the potential for significant strides to be made in NDE technology.

Correlation with Composite Defects

CCM researchers have made progress in this area by artificially implanting a variety of defects in manufactured carbon-fiber-reinforced composite samples. Cracks and delaminations were generated by impact and bending tests, and the specimens were scanned to find correlations between the defects and their displayed images. Finally, the samples



For this digitized waveform scan of a 64-ply graphite/epoxy specimen, one Teflon shim was implanted halfway into the depth of the specimen and another at the three-quarter depth. The image on the bottom left is a top view indicating the x-y location of the defects; the other two scans are side views indicating the depth of each of these flaws.



This volumetric analysis of NDE data with the "BOB" software shows multi-level impact damage to a 32-ply AS4/PEEK panel.

were cut and analyzed microscopically.

Such NDE studies provide information about thickness variations, fiber orientation, fiber/matrix distribution, porosity content, contaminations, delaminations, and impact damage. In the latter area, the researchers have collaborated with U.S. Army MAJ Timothy C. Lindsay, who completed a master's degree in materials science at the University of Delaware in 1990. Lindsay did his thesis research on designing composite structures for impact resistance using NDE data generated by Steiner's group to understand and evaluate the multilevel damage that occurs throughout the thickness and of the material after impact.

Fiber-matrix distribution is another property that is not an issue with monolithic materials like metals but plays a role in the quality of composites. Quality control requires keeping the fiber/matrix ratio at a constant level, particularly for critical applications where that ratio has been tailored to the intended use. The researchers have found that the fibers reflect ultrasonic energy more heavily than the matrix and, conversely, that the matrix absorbs more energy than fiber-dominated regions. Through image manipulation, this information can be highlighted and the composite accepted or rejected based on the results.

The most powerful technique for image enhancement is the Fast-Fourier Transformation, which provides information about fiber orientation in the composite specimen. This feature is especially useful for short-fiber composites, where it is sometimes difficult to determine fiber orientation and where manual digitizing techniques are still in common use.

Conclusions and Future Work

CCM's NDE research is part of an overall effort at the center to develop on-line control systems for various composites fabrication methods. Sensors play a two-part role in such "smart" systems—they detect flaws on-line and provide feedback for on-line control. Computer-based control systems have the capability not only to indicate whether a particular component should be accepted or rejected on the basis of sensor-detected flaws but also to trigger subtle adjustments in the processing parameters—including pressure, temperature, and time—so that the quality of subsequent components is satisfactory. Thus, NDE and on-line control systems are a key to the low-cost, high-quality composite materials and components of the future.

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TRAINING FOR CONCURRENT ENGINEERING SUCCESS

By Patricia Martin,
Gary A. Maddux,
and Dr. Phillip A. Farrington

Introduction

According to Department of Defense Directives 5000.1 and 5000.2, concurrent engineering (CE) will be used for all future military systems development. The CE design philosophy requires that all aspects of the product, from conception through disposal, be considered during the initial design of the system. Further, the processes required for production and fielding must be designed in parallel with the product. This integration of design, manufacturing, and fielding considerations ensures that missile systems are producible and supportable.

The primary requirements for successfully implementing a CE philosophy are management support, enhanced communication, team building, and appropriate tool use. Where CE has been successful, much credit is attributed to the involvement of senior management in establishing goals of improved quality, cost and schedule; in forming teams of qualified people; and in providing the teams with the necessary tools and resources.

Management must commit the necessary funding and resources for a successful CE program, and must allow ample time for the new philosophy to generate benefits. It takes time to develop an atmosphere where departments that have never worked together can cooperate to optimize a design. Management must commit to give up some of its decision making power to the team and to not second guess the team.

Objective

To ensure that the U.S. Army Missile Command (MICOM) managed weapons systems adhered to the CE design philosophy, a CE Steering Committee was formed. This Steering Committee, consisting of command-wide representation, examined the current design environment at MICOM, and determined some of the impediments to CE implementation.

The Steering Committee determined that most personnel had not received adequate information about CE and, in general, there were many misconceptions concerning its requirements. It was therefore determined that additional training should be provided to both MICOM and project management personnel. The Production Engineering Division of the Systems Engineering and Production Directorate was tasked by the CE Steering Committee to develop a training program to assist in the advancement of the CE concept and to provide guidelines for CE implementation. The principal objective of this task was to establish a MICOM training program, in a modular format, to address key areas of CE implementation.

Training Philosophy

The content of the CE training modules presents a well rounded knowledge of all important aspects of CE. Often, training which addresses a philosophy can digress into an intense training course on a specific tool or technology that supports that philosophy. That pitfall was avoided in the formation of this training. While the tools and methodologies were given an adequate coverage, the more philosophical aspects of CE, i.e. improving communication, organizational and team structure, etc., were not slighted.

To achieve the right mix, seven training modules were created. Each module addresses a different, equally important aspect of CE implementation. The CE training modules stress the importance of team building, tools and

methodologies, and government and contractor roles and responsibilities in achieving the desired CE environment.

Not only is the content of the training considered important, but also the timing of the training is crucial to its success. In order to maximize the impact of the training, the just-in-time training philosophy will be used to present these modules. Training will be presented as the system project office is forming, so that the managerial structure is formed with an awareness of CE implementation requirements. The modular format of the training also allows flexibility when training higher management, entire organizations, or the individual project teams.

CE Steering Committee Module

The first module used in the CE training course informs training participants of the existence and mission of the MICOM CE Steering Committee. This is an important first step in the training process. It was considered imperative that the recipients of this training realize the commitment of top management to the CE design philosophy. By demonstrating this commitment at the outset of the training program, participants should realize the dedication and determination of MICOM management to successfully implement CE.

The CE team that will be trained using these modules will consist of managers and engineers representing the many functional areas of MICOM. To reinforce this idea of multi-disciplinary teamwork, the CE Steering Committee consists of representatives from these same diverse functional areas. By emphasizing that the Steering Committee "practices what it preaches," the point will be made from the outset as to what is required for CE success.

Concurrent Engineering Overview Module

The CE Overview Module is used to give all participants a set of common definitions and terminology for the ensuing training. One of the most prevalent problems in implementing CE is the lack of a commonly agreed upon definition for the term. For the purpose of the training modules, the definition as developed by the Institute for Defense Analysis (IDA) was used. Their definition is:

> *"Concurrent Engineering is a systematic approach to the integrated concurrent design of products and their related processes, including manufacture and support. This approach is intended to cause the developers, from the outset, to consider all elements of the product life cycle from conception through disposal, including quality, cost, schedule, and user requirements." — (IDA Report R-338)*

Lessons learned and critical factors for success were captured from CE leaders in industry and the government. From this information, as well as MICOM's own lessons learned, CE implementation guidelines were developed and included in the training module. This portion of the training discusses the importance of management-driven implementation, adequate funding profiles, multi-functional teaming, training, customer/supplier involvement, integrated requirements definition, integrated product/process design, and CE tools and computer-based support initiatives.

Multi-disciplinary teams are at the very heart of concurrent engineering because, when properly constructed, they contain the intelligence base for a successful program.

Team Building for the CE Module

Multi-disciplinary teams are at the very heart of CE because, when properly constructed, they contain the intelligence base for a successful program. CE involves the integration of contributions of diverse specialists. These teams facilitate the optimization of all important measures of a product's function—performance, producibility, ease of maintenance, reliability, cost, and quality. Management forms a team of specialists who have knowledge in different phases of the product's life cycle to concurrently engineer both the product and the downstream processes for production and support.

The problem with developing and maintaining a CE team is that most people are not accustomed to working (or trained to work) in teams. The first lesson of the module establishes how CE team members are selected, what part they play as individuals, and how they become a working unit. Team dynamics discussion and group exercises are an important aspect of this lesson. The second lesson focuses on the mechanics of the team in order to facilitate an increase in effectiveness.

CE Tools and Methodologies Module

Throughout industry and government, there are many disciples for the use of multi-disciplined teams for successful CE implementation or for the use of CE-related tools and methodologies as the needed ingredient for success. MICOM believes that both are required to truly optimize the design process. Discussions on CE tools with various sources in industry and government revealed that there were several misconceptions and barriers associated with CE tool/methodology implementation. One of the objectives of this training module was to inform the MICOM design community of the array of tools and methodologies available to them. Technologies researched and analyzed included, but were not limited to: Taguchi methods, quality function deployment, rapid prototyping, computer-aided design, computer-aided manufacturing, computer-aided process planning, design for assembly/manufacturability, design for reusability, design for maintainability, and design for reliability.

Not only is it imperative for the CE user to know how to use the tools and methodologies presented in this module, but he or she must also understand how these tools are interrelated. In particular, it is important to appreciate

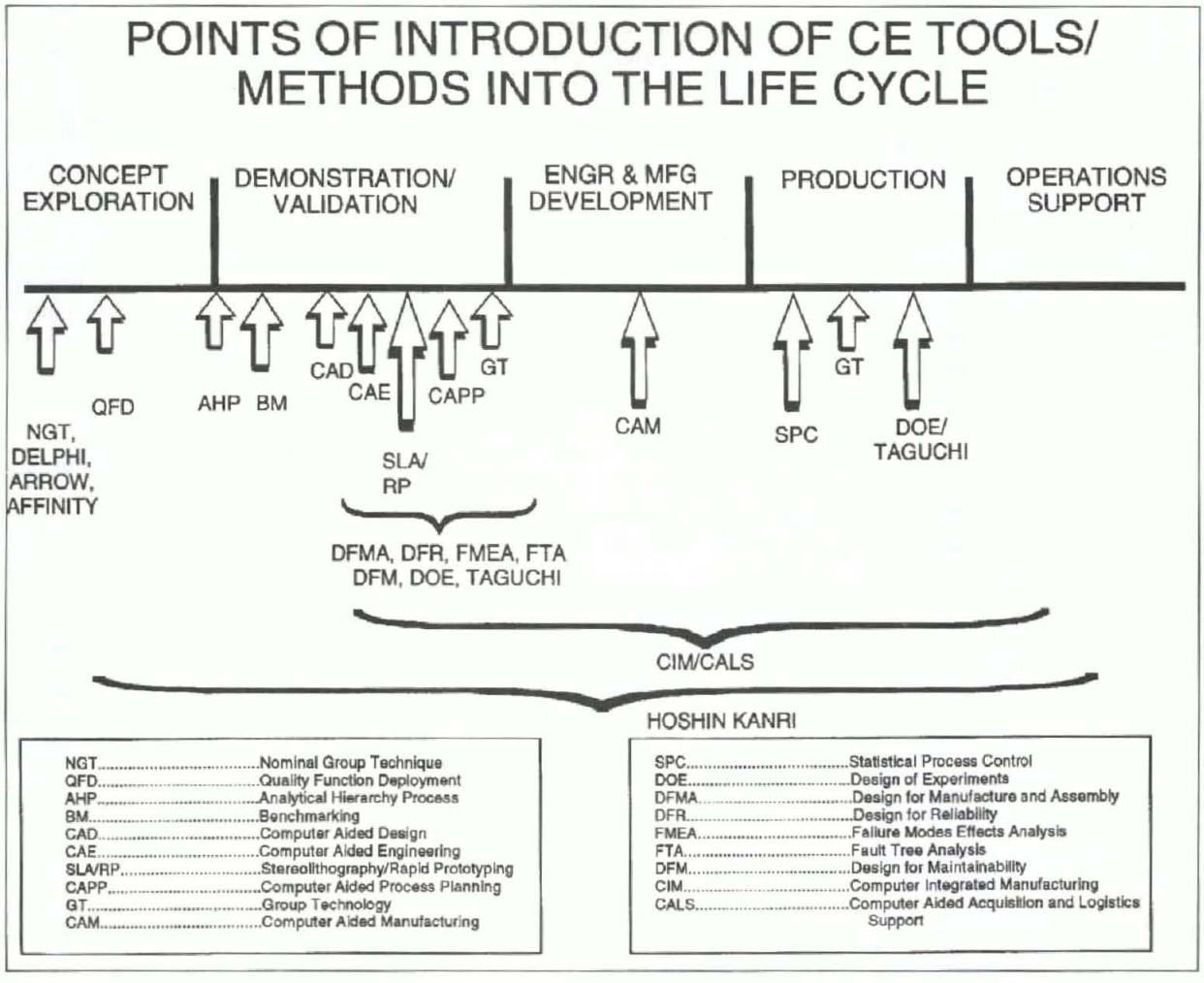

Figure 1.

how the outputs of one tool can be used as the inputs of a subsequent tool. This module addresses these interrelationships, along with the introduction of the tools into the life cycle process. Figure 1 is an attempt to indicate where the tools/methods are first utilized. This is not meant to suggest that this is the only place they are used. In fact, the planning tools, and quality function deployment in particular, are frequently used throughout the life cycle.

The MICOM CE Design Process Module

The MICOM CE Design Process Module was developed to provide a CE framework which is specific to MICOM's organizational structure, mission and functions. The module is intended to be utilized as a handbook to assist new project leaders in understanding each organization's area of expertise and the level of input they have during each life cycle phase. Stressing the importance of communication and knowledge of one's own organization, this module presented the life-cycle model with each MICOM organization's role defined. For example, 23 directorates or offices within MICOM worked with the CE Steering Committee to define their primary activities, major areas of input, and milestone design review required documents into which they provide input.

A significant feature of the MICOM CE Design Process Module is the CE Design Team Functional Makeup Model. The model depicts the structure of a typical project team using the CE philosophy. Per the model, the CE team is established during the Concept Exploration (Phase 0) life cycle phase of the program. The project manager (PM), although not on the CE team, still maintains ultimate responsibility for the program. The PM provides the team with guidance; information from the user, higher headquarters, and other sources; and settles disputes within the team. The PM allows the team the creativity and flexibility to develop the design concepts (or to evaluate the design concepts, as the case may be) and provide this information to him or her for final approval. The PM allows the team to actively render technical judgments based on technical and programmatic constraints and influence the direction of the program. The team will provide the technical expertise in the functional areas that must be represented in each phase of the life cycle in order to design the product and process concurrently.

Government/Contractor Roles Module

Successful implementation of CE will require communication channels to be established and utilized not only between functions, but also between the contractor and government. In recent years, the DOD and its contractors have been willing to re-examine the traditional roles each have historically played in the design process. Most notably, a willingness to openly share information, and to work as partners to solve problems rather than to establish blame have been a keystone to their successes.

This module opens with the question, "How would you characterize the relationship between MICOM and contractors today?" Thus begins a discussion of three fundamental questions:

- What is the relationship between MICOM (i.e., the government) and its contractors under the present system?
- Ideally, what would we like the relationship to be like? and
- How can concurrent engineering move us toward a better relationship?

The stereotypes attributed to both government and contractor personnel have contributed to the difficulty in defining how to fully integrate CE in a project encompassing government and contractor CE teams. In order to understand these stereotypes, the training module developers asked government and industry personnel to answer the question, "If you were drawing a caricature of a typical government/contractor person, what would you include?" Industry personnel stated that the government person would be wearing a sign stating that "He/she was the government.", would be carrying a multitude of specifications and standards with a label saying "Just do it," and would have a red ink pen in hand to mark up program deliverables. The government personnel stated that the contractor person would be holding a bottle of snake oil for sale, would have their hand stretched out wanting more money, and have information hidden in their back pocket. Although this was a humorous way to obtain information, it did provide vast insight into the mistrust and negative views which can be involved in a project.

Although these broad-based concerns were highlighted by many different sources, it was also evident that many government/contractor programs had managed to eliminate the issue of mistrust. The personnel in these programs worked at developing long term relationships based on mutual respect. All members of the project team believed that if the program failed, they failed. It was also noted that, in these programs, the government personnel always brought something to the table. Typically, the government is viewed as an overseer, but in these cases, they brought previously performed research, military parts experts, industrial base knowledge, lessons learned, and other information to the team. They also worked with the contractor team to resolve problems early on.

Program Specific CE Activities Module

The last training module, Program Specific CE Activities, is used to put the participants to work on their program, using the CE design philosophy that was covered in the previous modules. This serves several benefits. First, as the training is completed, the team members have the opportunity to immediately employ what they have learned. There is no time delay so that confusion can cloud the lesson. Secondly, instructors are still available to facilitate the activities of the group, and to answer any questions that may arise. Lastly, the team has just shared the common training experience. People are familiar with their team members, and are more inspired to tackle the task at hand.

Conclusion

The successful implementation of CE within DOD requires that its practitioners have a common understanding of the philosophy. There are also numerous tools and methodologies that can help smooth the transition to the CE design environment. Team building, managerial support, and government/contractor cooperation are additional key ingredients. In short, CE requires a cultural change, with new tools, roles, and responsibilities. Its implementation will not be easy. That's why training is so important.

MICOM has seen the need for an innovative approach to training its managers and design teams in CE. This undertaking was not only successful, but utilized the CE philosophy in its own creation. A multidisciplinary steering committee, bringing together the collective knowledge of the MICOM design environment, used many of the same tools and techniques to create a set of training modules to address all aspects of CE, and to integrate those lessons into models that could be used not only within MICOM, but throughout DOD.

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ARMY HOLDS SCIENCE AND TECHNOLOGY LEADERSHIP ROUNDTABLE

By Catherine Kominos and William K. Brower Jr.

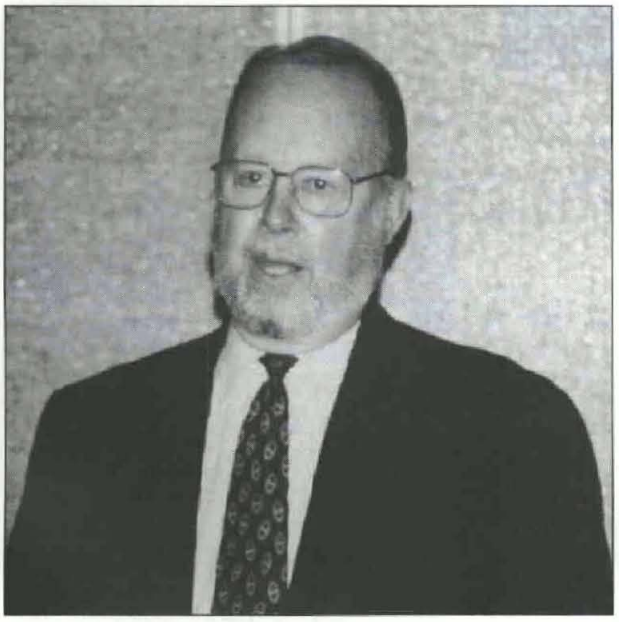
The current security and economic environment has drastically altered U.S. defense policies and introduced important changes in the Army's science and technology (S&T) program. These changes, and the future of Army S&T, were discussed at the Army Science and Technology Leadership Roundtable, sponsored by George T. Singley III, deputy assistant secretary for research and technology, Office of the Assistant Secretary of the Army, Research Development and Acquisition (OASARDA).

Singley recognized that past fora involving the Army's S&T community seldom provided an environment for senior scientists to interact with senior management and debate issues affecting Army S&T. The S&T Leadership Roundtable fills this void. It provides senior scientists the opportunity to voice their point of view and be heard by Department of Defense (DOD) leaders. The goal of the roundtable is to build a stronger, more commonly focused Army S&T program. Just as important, the roundtable offers an opportunity for the Army's scientific professionals (ST) to better identify their role and responsibility as technology leaders in this era of downsizing.

The first roundtable, in what subsequently will turn into a biennial event, was held on Jan. 25, 1994, at the Radisson Plaza Hotel in Alexandria, VA. More than 55 of the Army's laboratory directors, technical directors, and STs participated in the one day event. The forum consisted of keynote addresses from senior DOD leaders and industry representatives, followed by two panel discussions focusing on issues of concern to the STs.

Paul Saffo, director of the Institute for the Future, set the tone for the roundtable by providing his perspective on long-term technological trends and their impact on business and society. He suggested that personal computers are the artifacts of an earlier revolution and that the cutting edge is moving to information appliances, new devices for home entertainment systems, and ultra-portable computers. His discussion summarized how the microprocessor shaped the process driven 80s and how the communication laser will shape the access driven 90s. Saffo's forecast of the communications revolution was informative and well received by all roundtable participants.

Dr. Anita Jones, director of defense research and engineering, shared her vi-



Larry Lynn, deputy under secretary of defense for advanced technology, spoke on transitioning technology.

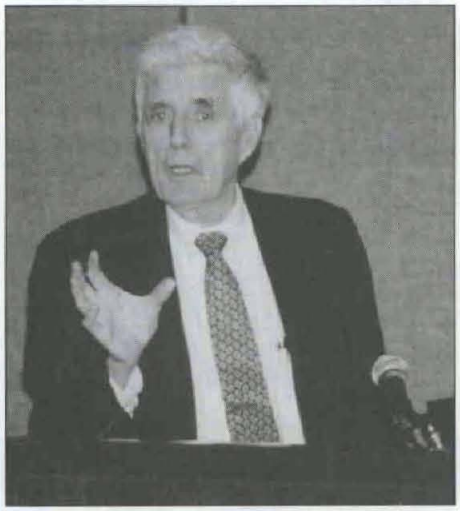
Dr. Anita Jones, director, defense research and engineering, presented a perspective on the future of DOD S&T.

George T. Singley III, deputy assistant secretary of the Army (research and technology), OASARDA, hosted the Roundtable.

sion and perspective on S&T. She stated that S&T is one of the secretary of defense's top objectives and then stressed three topics, quality of people, quality of facilities; and quality of change. Relative to the quality of people, she said that the Army currently has 29 ST positions with an additional 12 new positions approved. This indicates strong DOD confidence in the STs and an opportunity for the Army to strengthen the S&T community and improve the quality of its technical personnel. Facilities are key to attracting the best people, and she cited the National Automotive Center as an example of a quality facility. Jones views the Base Realignment and Closure (BRAC) 95 as an opportunity to merge and coalesce facilities within and across services and close outdated facilities to improve the quality of DOD S&T organizations.

Relative to quality of change, she stressed that the entire industrial base is changing. This requires leadership and adaptation. DOD must look to spin-in technology, focus on developing information technology, and train S&T personnel across technologies. DOD strategy is to focus on prolonging the life of high cost systems through technology insertions. In response to a discussion on the role of academia in S&T, she replied that investment in academic research could supplant the decline in commercial R&D infrastructure.

Jones was followed by Singley, who presented the "Top Five Joint Warfighting Capabilities" (see accompanying figure) approved by the joint chiefs of staff. He discussed ways in which information technology is changing both the way the Army does business and the way industry views the Army. He emphasized that information technology is the most significant technology in the 90s that will shape our organizations.



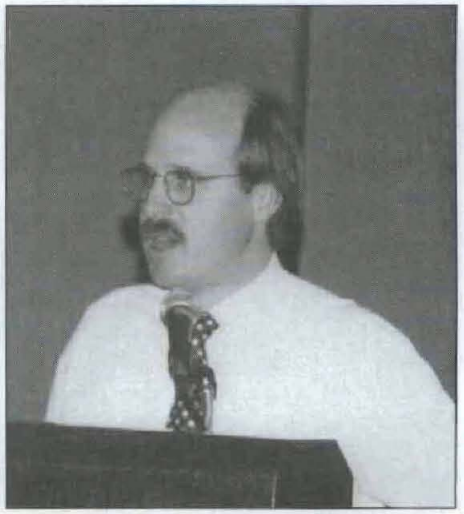
Dr. Walter Laberge, chairman of the Army Science Board, identified how Army S&T should adapt its products to the needs of the customer.

Larry Lynn, deputy under secretary of defense for advanced technology, spoke on transitioning technology. He discussed the relatively new concept of Advanced Concept and Technology Demonstrations (ACTDs) by saying that they place heavy emphasis on "brass-board" development and will be a cooperative effort between the development community and the user community. He stressed that the Battle Labs must have close ties with ACTDs. ACTDs are tied to the Five Joint Warfighting Capabilities which in turn are supported by 6.1 and 6.2 research programs. Currently candidate Army ACTDs are:

- **Rapid Force Projection** - Led by the Army Missile Command, this provides the capability to disperse and synchronize fire.
- **Korean Initiative** - This initiative is looking at imaginative ways to solve the problem with 240mm rocket launchers that North Korea has aimed at South Korea.

Dr. Walter LaBerge, chairman of the Army Science Board, presented his perspective on how the S&T community should adapt its products to the needs of the customer. He suggested that scientists and engineers place little emphasis on cost, with the cost being incidental to the work being done. With the declining budget, he suggested that the Army needs a business plan to preserve its R&D infrastructure. Without this, R&D will continue to lose out to preserving force structure. He then suggested that it is essential to capture and leverage Russian capabilities within the Army S&T community. He cited Russian expertise relative to mine sweeping and high detection harmonic radar and stated that complete industry surveys of these capabilities could be conducted for a small amount of money while obtaining large amounts of information. LaBerge's presentation was candid and most informative.

LTG Malcom O'Neill, director of the Ballistic Missile Defense Organization, pro-



Paul Saffo, director, Institute of the Future, presented his views on the direction of commercial information technology.

JCS Top 5 Future Joint Warfighting Capabilities

- **To Maintain Near Perfect Real-Time Knowledge of the Enemy and Communicate That to All Forces in Near Real-Time**
- **To Promptly Engage Regional Forces in Decisive Combat on a Global Basis**
- **To Employ a Range of Capabilities More Suitable to Actions at the Lower End of the Full Range of Military Operations Which Allow Achievement of Military Objectives With Minimum Casualties and Collateral Damage**
- **To Control the Use of Space**
- **To Counter the Threat of Weapons of Mass Destruction and Future Ballistic and Cruise Missiles to the CONUS and Deployed Forces**

vided his perspective on the role scientists and engineers play in shaping the field Army of the 21st century. He suggested their role is to make the Army a smart buyer and to make soldiers technically literate. He stated that scientists and engineers can not produce useful results without the following: Empathy for the soldier; Understanding of the field environment; Knowledge of military operations; Understanding of the threat; and Continuous dialog with the user. He suggested that scientists and engineers should work with industry to develop concepts for new materiel. Scientists and engineers need to better market how new technologies can solve Army problems. He summarized by stating "Continually resubstantiate your worth, R&D is uncertain business."

Following the lecture presentations, the roundtable transitioned to a panel format to focus on two controversial issues facing the S&T community. The first panel presentation entitled "Civilian Engineers and Scientists - Army Acquisition Corps or Not?", was moderated by Singley. This panel focused on the advantages of the Army Acquisition Corps (AAC) and whether scientists and engineers engaged in basic research should join the AAC. Dr. Bennie H. Pinckley, deputy director for acquisition career management, OASA-RDA, provided DA policy on the Army Acquisition Corps.

Following Pinckley's opening comments, the other panel members provided their organization's perspective on the advantages and disadvantages in joining the AAC. This panel was composed of Dr. John Lyons, director of the Army Research Laboratory; Darold Griffin, principle deputy for acquisition of the Army Materiel Command (AMC) (now retired); Robert Giordano, technical director of the Communications and Electronics Command's Research Development and Engineering Center; and Brooks Bartholow, acting chief, acquisition management in the Office of the Deputy Chief of Staff for Acquisition, AMC. The discussions stimulated interchange on whether or not ST's should be in the AAC, the mobility agreement, the requirement for 12 credit hours of business, how the AAC is managed, and rejection of applicants to the AAC. The different perspectives were voiced and debated and these viewpoints will be taken into consideration when formulating Army AAC policy.

The second panel presentation entitled "Army ST Corps - Roles, Responsibilities and Rewards", was moderated by Dr. Richard Chait, director for research, OASARDA. This panel focused on the typical duties of STs. Janice Lynch, director of the Senior Executive Service Office at AMC, provided a brief historical overview of the ST Corps. This was followed by comments from the following panel members: MG Richard T. Travis, commanding general of the U.S. Army Medical Research and Development Command (now retired); Dr. John Lyons, director of the U.S. Army Research Laboratory; Dr. Thomas E. Davidson, technical director of the U.S. Army Armament Research Development and Engineering Center; Dr. Gerald J. Iafrate, director of the U.S. Army Research Office; and Dr. Darrell Collier, chief scientist of the Space and Strategic Defense Command.

During the panel's discussion, everyone agreed that ST's are a valuable asset to the Army, however there were differences on how the ST's should be utilized. It was stated that while ST's are research leaders, they must participate in select evaluation and advisory committees to enable the Army to be smart buyers. After discussing the duties of an ST, the group reached a consensus that individual strengths vary so the positions should reflect somewhat the person in the position.

The roundtable concluded with comments from the participants. Attendees generally agreed that the roundtable was timely, extremely useful, and should be held on a semi-annual basis. The greatest benefit of the roundtable was having the laboratory directors and STs together in a congenial environment to hear the different perspectives. Singley concluded the meeting by stating that the discussions held throughout the day were beneficial and thanked everyone for attending the first of what will certainly be many future successful roundtables.

CATHERINE KOMINOS is a technology staff officer in the Office of the Deputy Assistant Secretary for Research and Technology. She manages the planning and execution of the Army's 6.1 basic research program. She holds a B.S. degree in civil engineering and a M.S. degree in engineering administration from George Washington University.

WILLIAM K. BROWER JR. is a project engineer for the Tank-Automotive Research, Development and Engineering Center. He is currently serving as an intern on a one year assignment to the Office of the Deputy Assistant Secretary for Research and Technology. He has a B.S. degree in agricultural engineering from Virginia Polytechnic Institute and State University.

TECHNOLOGY UPGRADES AND AN ENABLING TWO-STEP DEVELOPMENT PROCESS

By LTG Donald S. Pihl, USA (Ret.) and John D. Rittenhouse

Background

Last summer, the acting secretary of the Army for research, development, and acquisition commissioned an Army Science Board Summer Study to develop innovative strategies for the 1990s. Our Terms of Reference (TOR) followed the thrust of the then incoming Secretary of Defense Les Aspin for systems acquisition, i.e. selective upgrades, selective low rate production, roll over plus (his term for putting technology on the shelf), and silver bullets (his term for a very few new starts). The TOR told us to figure out the highest operational payoff from, the management scheme for, the best use of simulation for, the method to accelerate acquisition of, the cost and timing of, and any limitations to: Horizontal Technology Integration (HTI) as the focus for continued modernization of the Army.

Army acquisition strategies for the 1990s are evolving to a point where technology upgrades will be the choice for continued land force dominance as opposed to the new starts of the 1980s. Horizontal Technology Insertion will be the key strategy because it includes DIGITIZATION. Digitization will be the approach to total synchronization of the battlefield by control of the battle space, the tempo, and the environment. Numerous new processes and controls resulting from the best commercial practices of industry are available. One of these—the two-step acquisition process—should be adopted by the Army.

There is a primary purpose for adopting the two-step acquisition process in lieu of the more traditional five-step process spelled out in the Defense Acquisition Regulation (DAR). That purpose is to focus on risk. The summer study panel recommended that the two-step process be applied to HTI and Vertical Technology Insertion (VTI)—the two categories of technology upgrades—so that technical risk would be retired prior to moving to the second step (production). How did we get to this recommendation and why do we believe it's the right thing to do?

First, the definitions of the two types of technology upgrades are in order and are shown in Figure 1.

HTI and VTI Opportunities

With these definitions, the panel examined the HTI and VTI opportunities for the Army. These upgrade opportunities are shown in Figure 2. Note that the seven HTI's can be applied to the 24 systems shown in the box. An additional 25 VTI's (list not shown) can be applied to 13 systems or about two per system on average.

Upgrade opportunities are the major piece of our investigation. We inspected every cell in these matrices and were able to provide the Army with rough costing for technology upgrades. Also note that these upgrades are not prioritized and that there may be good reasons for not doing some based on operational and/or funding considerations. However, we believe we have the technology upgrade opportunity bounded. Applying the two-step acquisition process keeps the risk under control.

A Two-Step Acquisition Process for HTI and VTI

Because HTI and VTI should not have significant technical risk (as compared to new systems such as Comanche, etc.), the burden of having a five-step 5000.1 acquisition program is not required. We propose a streamlined process described below for HTI/VTI.

First it is necessary to understand what we believe are the "givens" of the current acquisition situation. These "givens" are shown in Figure 3. Most important is understanding that the single most frequent reason for program failure is the application of immature technology. This is entirely consistent with past studies and, in particular, with the Betti acquisition study where an empirical data base of several hundred programs clearly identified technology risk as the single most important cause of program failure.

Next, early identification and retirement of technical risk will require trust between parties—contractor and Army; Army and OSD; and OSD and Congress. Without trust, open and honest assessment of technical issues is not likely to occur.

Third, it is entirely appropriate to point out that we must take technology risk to maintain supremacy...and that our real challenge is to manage this risk to acceptable levels, not to avoid it.

Fourth, some form of culture change should and must occur if we are to afford the technology upgrades we must have. Quality and cycle time-driven culture change can shorten schedules, reduce cost, and help in the process of restoring trust.

Before showing the two-step acquisition methodology, it is instructive to ask "What is the Army most likely to buy?" This is graphically illustrated in Figure 4 which shows the no-risk, off-the-shelf procurements as some small

percentage of the total number of R&D programs.

Technology upgrades are the centerpiece of our procurements. There will be some technology risk present in the majority of these programs.

Lastly, it is appropriate to take higher risk on the silver bullet programs which promise breakthrough capabilities and have a high urgency. These will be few in number.

Since technology upgrades (HTI and VTI) are expected to compromise the bulk of Army programs, we recommended a technology risk reduction base on a two-step acquisition methodology as shown in Figure 5.

The change called for here is a simple but major shift in managerial paradigm. It recommends that the Army focus on a two-step acquisition methodology which can operate under existing DOD regulations and be accomplished with the Army's own authority.

The entire focus is proving, via demonstrations, that the employed technology will perform to necessary levels by the time R&D (the first step) is finished. The government/industry team does this with the full knowledge that:

- At the end of phase one, the technology performance parameters must be met or the program will be terminated; and

TECHNOLOGY UPGRADE

HORIZONTAL TECHNOLOGY INTEGRATION (HTI)

is the application of common enabling technologies across multiple systems to improve the warfighting capability of the force.

VERTICAL TECHNOLOGY INSERTION (VTI)

is the application of enabling technology *within* a system to upgrade operational capability or reduce cost which permits improvement in warfighting capability.

Figure 1.

- Moving to phase two with any technology risk still existing is unacceptable.

In this process, the technology risk is retired prior to production. To assure this is accomplished at program outset, all technology risk factors must be identified, and proof (demonstrations) of their risk reduction to satisfactory levels must be planned. To promote schedule and cost realism, contracts should be structured such that, if these proof points are not satisfied, the contract automatically terminates. The only exception would be a continuance decision by the Army acquisition executive.

The primary features of the two-step acquisition strategy are:

- The five phases of the current strategy are consolidated to two phases.
- Technology risk reduction is accomplished by the end of the first phase. If it is not retired, the program should not proceed.
- A major risk review point occurs (end of step one) before major engineering and manufacturing monies are expended. This review is accomplished using the risk matrix developed by the program manager during the first three months of the program.

Mission needs and R&D are interactive, employing digitization, distributed interactive simulation, the battle laboratories, and demonstration.

The Fundamental Risk

The most fundamental risk that Army acquisition officials must manage is the risk that a system does not perform adequately in battle. If a device or machine does not work for its intended purpose, then the program is a failure. All the smart contract clauses and detailed testing are of no avail, if we fail to ask the single all encompassing question, "Does this thing do its job?" The recommended two-step acquisition strategy focuses on this jugular issue.

Cynics can speculate whether program managers will identify the big issues. The Army must insist on a review of the one-page risk matrix and answer the questions, "Does this thing meet its operational objective? and Does it work?" If this is accomplished, then the probability of avoiding a full scale engineering development with unproven technology is significantly enhanced.

Some probable questions about this approach:

- Does this mean we will build

INNOVATIVE ACQUISITION STRATEGIES

7 HORIZONTAL TECHNOLOGY INTEGRATIONS → 24 SYSTEMS

- **COMBAT ID**
- **POS/NAV**
- **2ND GEN FLIR**
- **TACTICAL C2 DIGITIZATION**
- **SURVIVABILITY SUITE**
- **BRILLIANT MUNITIONS**
- **COTS**
  - **Comm Stds, Bus Re Engr**

ABRAMS	M88	120MM MORTAR
IHMMWV SCOUTS	BRADLEYS	CEV
BRIDGERS	M9 ACE	C2 VEH
AGS	BFIST	FOX NBC VEH
M109	B-STINGERS	KIOWA HELOS
MLRS	LONGBOW	AVENGER
UH 60 HELO	AFAS	FAARV
SINCGARS	MSE	CGS

13 SYSTEMS ← 25 VERTICAL TECHNOLOGY INSERTIONS

- **FIREFINDER**
- **ATACMS**
- **STINGER**
- **PATRIOT PAC 2**
- **SINCGARS**
- **LOGISTIC VEHICLES**
- **MSE**
- **FOX NBC VEH**
- **GUARDRAIL**
- **BAT**
- **UAV-SR**
- **BFV**
- **TANK COMPONENTS**

UPGRADE COST LARGE, BUT FRACTION OF NEW SYSTEMS

Figure 2.

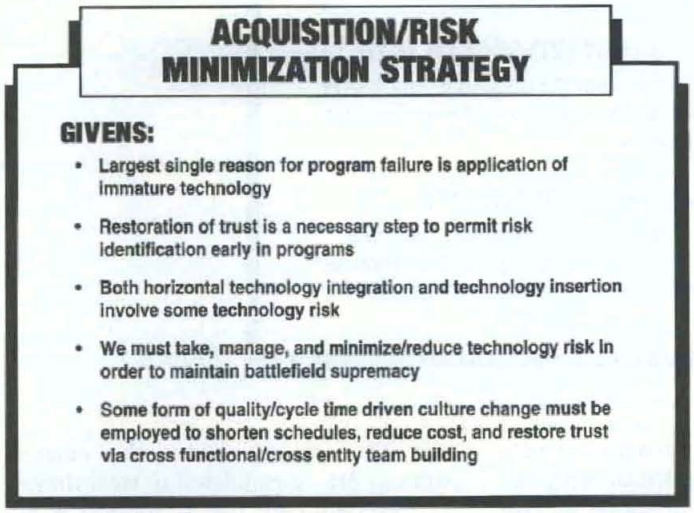


Figure 3.

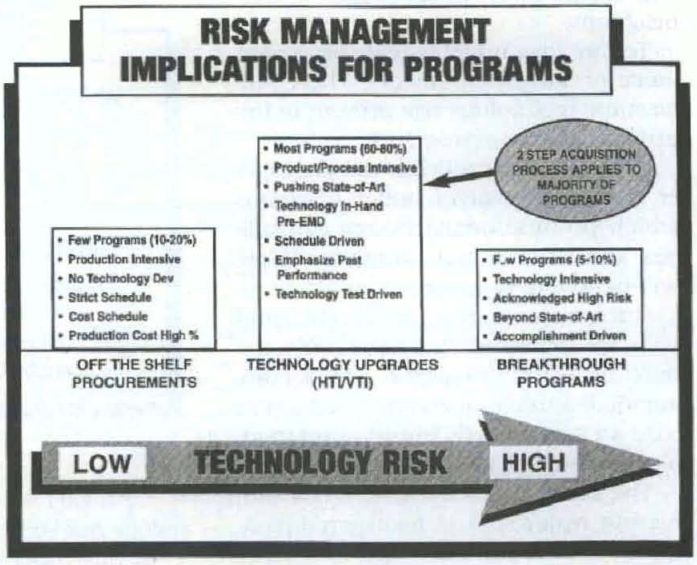


Figure 4.

more prototypes than in the past? Probably.

• Does this mean we may use two or three technology alternatives to ensure risk reduction? Yes.

• Are you telling me that all software operating systems must exist and be proven under load by the end of R&D? Yes.

• Will you accept simulation of traffic flows (both intra and trans system) as demonstration of proof? No. We need actual hardware and software demonstrations. We expect to use simulation early in the programs as a means of risk reduction and as a design tool.

• Will you accept battle lab simulation as proof of operational performance? No. The battle labs are a necessity to establish the operational need and provide a test bed for a program to interface. If there is technology risk associated with battlefield integration, it will be proved with actual prototypes.

There will be a thousand healthy questions spawned. The important thing is they will occur during R&D and not during production.

Conclusion

We recommended that we trust the government/industry team to provide us with a risk minimized system. The control on that trust is the single acquisition executive (Army or DOD depending on the scope of the program) review between phases one and two.

Movement to a two-step process for technology upgrades is not business as usual. However, we believe the move is worth it because the risk of unacceptable performance on the battlefield will be minimized and the acquisition cycle will be shortened so that the world's finest Army will get the equipment upgrades that it needs.

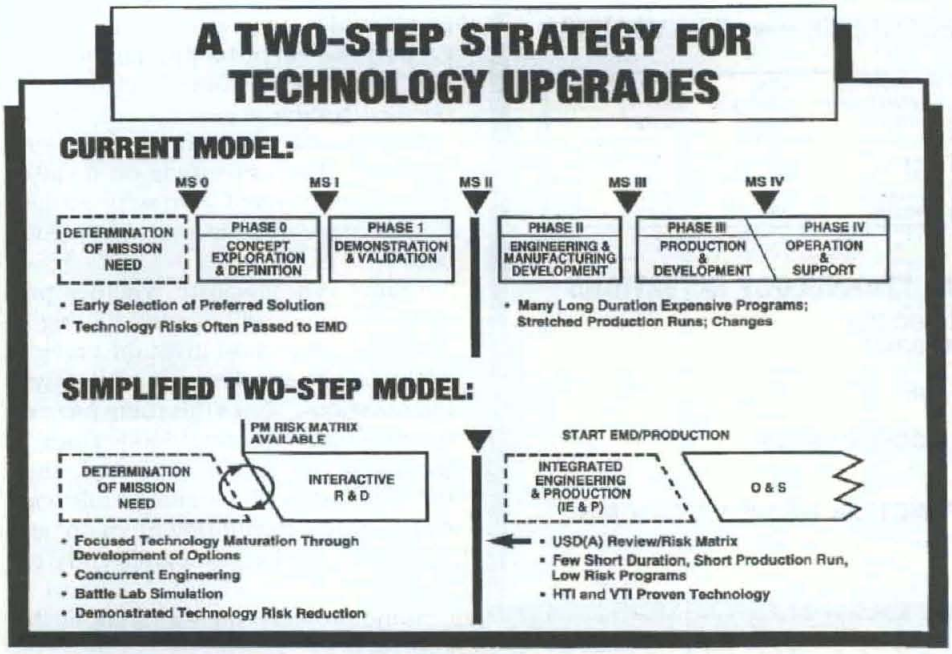


Figure 5.

LTG DONALD S. PIHL, USA (Ret.), is the president and chief executive officer of Advanced Countermeasures Systems (ACMS) and a member of the Army Science Board. He holds B.S. and M.B.A. degrees from the University of California at Berkeley.

JOHN D. RITTENHOUSE is the retired senior vice-president of General Electric and a member of the Army Science Board. He holds B.S. and M.S. degrees in electrical engineering from Drexel University and the University of Pennsylvania, respectively, and a Ph.D. in engineering from Drexel University.

BEST VALUE CONTRACTING

By Donald L. Howard,
Kathleen T. Love
and Shelley S. Scott

In this era of huge deficits and shrinking defense dollars, the Army is being challenged to change its traditional ways of doing business. This particularly applies to how we acquire supplies and services. We must maximize our buying power since we have fewer dollars to spend; however, at the same time we must continue to provide our soldiers technologically superior equipment to ensure they maintain the decisive edge on the battlefield. How are we to meet this challenge? One response is expanded use of the best value contracting approach.

What is Best Value Contracting?

A best value contract is a competitive, negotiated acquisition which involves selection of a source based on evaluation and comparison of one or more factors in addition to cost or price. We as private consumers often use a best value approach when making major purchases. The process we go through when buying the family car is a good example. We typically don't decide to buy a particular car based solely on cost, but, instead, we consider other factors such as appearance, performance, reliability, availability, manufacturer's reputation, and past experiences, in addition to cost.

Why Best Value Contracting?

Best value contracting is not new to the government. However, widespread recognition of the advantages associated with evaluating and comparing other factors in addition to price is a more recent occurrence. The integrated assessment of a number of factors during the evaluation of offerors' proposals enables us to select the best among a range of solutions. It also increases the likelihood of selecting suppliers who are most likely to provide quality products, on time, and at a reasonable cost.

When is Best Value Contracting Used?

A best value contracting approach may be suitable, for example, if an item to be produced or service to be provided is complex, or there is a procurement history indicating performance problems. It affords an opportunity to perform a trade-off between cost and other critical factors in the selection of an offeror for contract award. We most commonly use best value in competitively, negotiated acquisitions for development of weapon systems, and for performance of research and development and other technical services, hardware/software integration and installation support. These normally involve requirements needing innovative solutions to meet performance specifications.

Advantages and Disadvantages

The greatest advantage of this approach is that it gives us the discretion to award a contract to an offeror other than the one that offers the lowest cost, technically acceptable proposal. However, it is inherently expensive and sophisticated. It requires in-depth planning as well as commitment of more personnel and time.

Best Value Issues

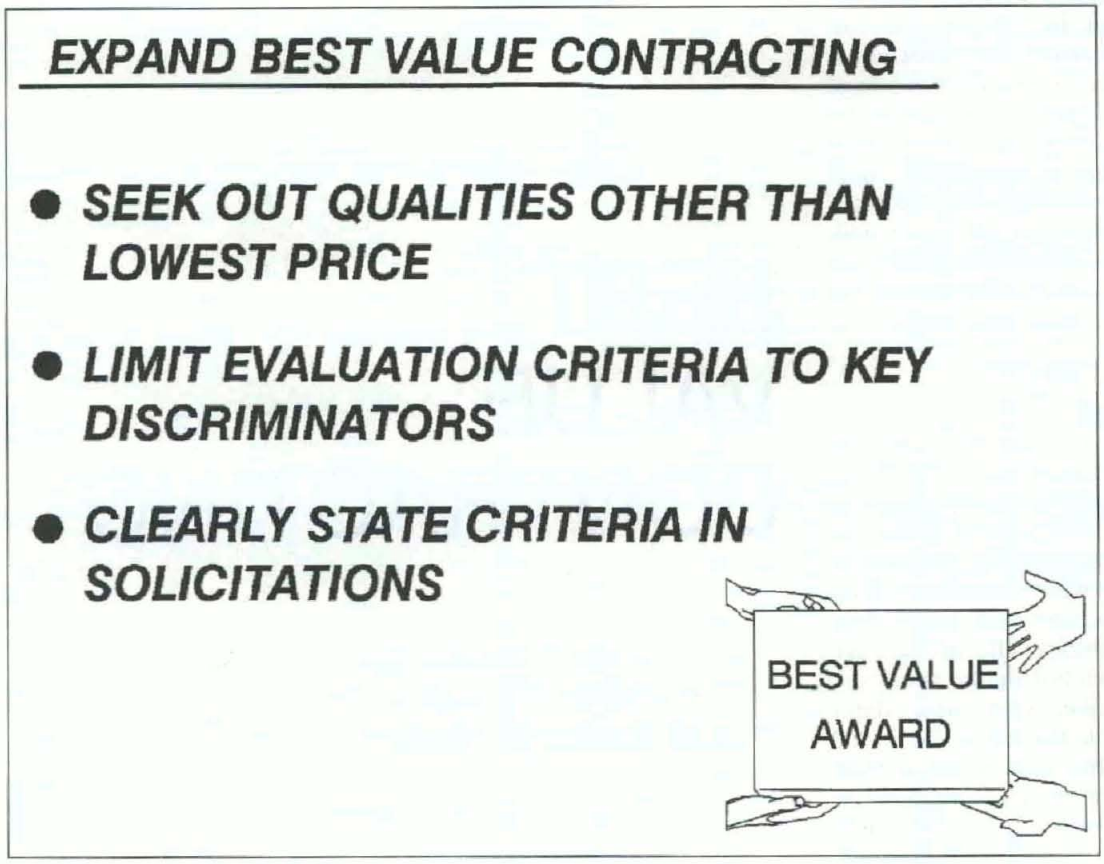
Although use of the best value contracting approach is increasing, concern still exists within the Army acquisition community and industry regarding its effective implementation. Lack of understanding of the approach still results in solicitations that are often vague and poorly structured. As a result, offerors have difficulty preparing proposals that fully satisfy our needs, and our evaluators have difficulty in determining which proposal represents the best value.

To increase understanding of the concept, best value has been included as a subject in acquisition improvement seminars, known as "Roadshows," which have been provided to Army Materiel Command (AMC) managers over the past two years. The purpose of the Roadshows is to unify the understanding of a number of acquisition process improvements, including best value contracting.

Major Steps

Effective implementation of the best value contracting process requires an understanding of the following major steps:

- Planning for the acquisition by developing acquisition objectives, significant evaluation factors and their relative importance, and the evaluation methodology.
- Structuring the solicitation to effectively communicate the govern-



ment's requirements and the basis for evaluation of proposals and award.

- Evaluating offers on the basis of the source selection plan and against the solicitation's evaluation criteria.
- Comparing the strengths, weaknesses, risks and total costs of the offers and deciding which combination, in accordance with the solicitation, represents the greatest value.
- Notifying and debriefing offerors to explain the basis for the award decision.

Essential Factors

Recognition of the following factors is essential for planning and executing a best value acquisition.

- **Acquisition Team.** Teamwork is crucial. The acquisition team must consist of members from various disciplines who are stakeholders in the acquisition and have a commitment to work together.
- **Solicitation.**

Evaluation Criteria

One of the most critical aspects of a best value solicitation is the development of evaluation criteria which are qualitative discriminators. They are those areas of the solicitation which are most likely to reveal substantive differences in technical approaches or risk levels among competing proposals. They are the basis for justifying the incremental worth of any expenditure of additional funds for increased quality or lower risk. Without the ability to effectively discriminate among the proposals, the government jeopardizes its capability to determine the proposal that provides the "best value."

Supporting Documentation

It is essential that the various sections of the solicitation, as well as the objectives, contracting strategy and plan for selecting a source, are in agreement. Inconsistent or unclear solicitation documents can defeat our objectives, cause unnecessary delays, or lead to litigation. Coordination within a multi-disciplined acquisition team is the best way to identify these problems and the actions that should be taken to avoid them.

- **Evaluation of Best Value Proposals.** We must conduct the evaluation process in a fair, comprehensive and impartial manner. We must ensure we only evaluate proposals against the criteria set forth in the solicitation for offers. While we usually evaluate the technical aspects of competing proposals, factors such as past performance and cost realism also play an important role in many best value evaluations.
- **Past Performance.** Recent policy issued by the Office of Federal Procurement Policy requires that past performance be considered as an evaluation factor in all competitive, negotiated acquisitions valued over $100 thousand. When we evaluate past performance, we make an assessment of the likelihood of successful contract performance, or "performance risk," based on each offeror's record of demonstrated past performance. In addition to self-assessments submitted by offerors, assessments of offerors' past performance are also obtained from outside sources, such as other government organizations that have contracts with the offerors.
- **Cost Realism.** Cost realism exists

when proposed prices or estimated costs are consistent with the offeror's approach to the effort. We evaluate cost realism to ascertain whether or not an offeror's prices are unrealistically high or low. By regulation, cost or price to the government is always evaluated. For fixed price contracts, the evaluation is usually just a comparison of the offerors' proposed prices. For cost contracts, the evaluation is made by developing a most probable cost estimate. The estimated most probable cost is then compared to the offeror's proposed cost. Significant differences may be indicative of a lack of cost realism and high risk.

• **Meaningful Discussions with Offerors.** With certain exceptions, the Federal Acquisition Regulation requires that the contracting officer conduct written or oral discussions with offerors in the competitive range. As a minimum, the contracting officer must advise offerors of any deficiencies in their proposals and attempt to resolve uncertainties and suspected mistakes. The contracting officer must point out significant weaknesses and deficiencies which have an adverse impact on the proposal's rating — unless doing so would result in technical "transfusion" or "leveling." "Transfusion" occurs when the government discloses unique information from one offeror's proposal which would enable another offeror to improve its proposal. "Leveling" occurs when, through "coaching," the government helps bring a proposal up to the same level as others.

• **Award Decision.** To determine which proposal provides the best overall value, the government must analyze and compare the differences between competing proposals. The award decision must be consistent with the evaluation criteria and relative importance stated in the solicitation and must consider whether or not perceived benefits are worth any price premium. In selecting the proposal offering the best value, the decision must be made on a rational basis, reflect sound business judgement and be set forth in an independent, defensible document.

Best Value Success Story

The Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T) is a major system acquisition managed by project manager MILSTAR (Army) at the U.S. Army Communications-Electronics Command (CECOM) in Fort Monmouth, NJ. The SMART-T engineering and manufacturing development contract was awarded in November 1992. The SMART-T was a "paperless" solicitation issued on the CECOM Electronic Bulletin Board System. A multi-functional team was formed early to formulate all key solicitation documents, and efficiently manage and streamline the acquisition. Streamlining included determining zero base requirements, reducing functional data and crosswalking the solicitation to match the Operational Requirements Document. Great emphasis was placed on the preparation of an evaluation plan tailored to meet requirements of the solicitation. Primary evaluation factors were technical, past performance and cost. Of these factors, technical was considered more important than the other two primary factors combined.

In selecting the proposal offering the best value, the decision must be made on a rational basis, reflect sound business judgment and be set forth in an independent, defensible document.

Within the technical factor, emphasis was placed on five key discriminators: design approach, test approach, engineering management, reliability and supportability. The key discriminators were selected to elicit substantive differences among the competing offerors. By performing a trade-off analysis, the source selection authority was able to determine that among competing offerors, the perceived slight design advantage of one offeror did not justify an estimated cost premium of over $10 million. According to Larry Asch, the SMART-T contracting officer, the keys to successful best value contracting are the team concept, a clear and concise evaluation plan and criteria, and a streamlined acquisition approach.

Emerging Guidelines

In expanding the use of best value contracting, the need exists for guiding principles to provide a broad framework for consistency in executing best value acquisitions. In January 1994, a multi-functional group of Army Materiel Command acquisition experts participated in a best value workshop and developed a common best value definition and guiding principles. They are the basis for a best value handbook which is scheduled for publication as this issue of *Army RD&A Bulletin* rolls off the press and for best value training to be provided starting in Fall 1994.

Expanded use of best value contracting will contribute to an improved and streamlined Army acquisition process. A uniform understanding of the best value concept and its supporting principles is crucial. Efforts such as those discussed facilitate this objective.

DONALD HOWARD is an electronics engineer and KATHLEEN LOVE and SHELLEY SCOTT are procurement analysts within the Office of the Deputy Chief of Staff for Acquisition, U.S. Army Materiel Command in Alexandria, VA.

LIVE FIRE TESTING AT THE COMBAT SYSTEMS TEST ACTIVITY

By Tracy V. Sheppard

Introduction

The Combat Systems Test Activity (CSTA) is a major range and test facility base located on Aberdeen Proving Ground (APG) in Maryland. Since the adoption of amendments to Title 10, U.S. Code requiring that major weapon system and munition programs undergo a realistic Live Fire Test and Evaluation (LFT&E), CSTA has emerged as the "Tester of Choice."

To fulfill the many requirements for live fire testing, CSTA has constructed three diverse test ranges which bring together state-of-the-art electronic and mechanical instrumentation concerns demanded by U.S. Army LFT&E guidelines.

Winner of the U.S. Senate 1992 Productivity Award, CSTA prides itself on its testing heritage. This is especially true in the case of Congressionally mandated live fire test and evaluation programs.

In 1986, the much ballyhooed Bradley Live Fire Program began its 14 months of live fire testing at APG. In 1987, it was the Abrams M1A1 Main Battle Tank's turn. And in 1991 the M109A6 PALADIN began its 13 months of Congressionally mandated testing. The unique challenges faced in live fire testing along with the stringent requirements placed upon the conduct of test programs under U.S. Army guidelines, creates the demand for highly specialized test sites such as those at CSTA.

Unique Facilities

The Combat Systems Test Activity has within its 52,000 acres of land and water some of the most advanced, state-of-the-art, data acquisition equipment and processing technology currently available. This technology provides CSTA with the capability of executing even the most comprehensive and exhaustive LFT&E programs. Three facilities in particular (AA-5, "Superbox," and the Underwater Explosions (UNDEX) Test Facility) are capable of supporting most any LFT&E demand.

Test Range AA-5

Title 10, United States Code, mandates that major weapon system and munition programs undergo a realistic LFT&E program. CSTA's Test Range AA-5 provides a self-sustained, secure area where this type of testing can be conducted.

Range AA-5 permits the dynamic firing of threat munitions at ranges of up to 1,000 meters and permits static detonations at three areas. Dynamic launches of missile munitions are executed on either a horizontal or elevated rail-launch system (Figure 1). CSTA developed this technique to satisfy testing requirements for horizontal trajectory and top attack missile systems. The elevated rail permits missile angle-of-attacks of between 0 and 88 degrees. During the construction of the AA-5 facility, security, safety, and data acquisition were the top priorities.

AA-5 incorporates many security measures to ensure the integrity of acquired data. Individual safety is assured through the use of concrete and steel enclosures constructed 1,000 meters from the prime target area. Many extensive measures were incorporated into AA-5 at the earliest stages of construction to ensure data quality.

Power for environmental equipment (heaters, air-conditioners, pumps, etc.) is isolated from the conditioned power sources for the instrumentation (ballistics, toxic gas, thermal radiation, video and high speed film, radar, and X-ray).

A remotely controlled test asset protection system utilizing aqueous foam, water, Halon, and CO2 is built into the AA-5 target area. This first of its kind LFT&E facility has been the home of many of the Congressionally mandated tests and has seen many distinguished visitors, including former Secretary of Defense Frank Carlucci.

'Superbox'

As armor and threat rounds progressed to the use of "heavy" materials such as depleted uranium, the need arose for a facility to accommodate the environmental and personal safety concerns related to those materials. The desire to have the capability to test full-scale, fully-loaded combat vehicles within the structure compounded the problem. To facilitate this testing, CSTA developed "Superbox." Pictured in Figure 2, Superbox is the Depleted Uranium Containment Facility. It permits full-scale, full-up testing of complete, major weapon systems.

The containment vessel is 84 feet in diameter and is capable of withstanding an internal detonation of up to 100 pounds TNT equivalent or a burn of 650 pounds of propellant. Protruding from the vessel is a 60-foot-long by 16-foot-diameter flight tunnel.

At the entrance to the flight tunnel is the "world's fastest door" as reported in *Popular Mechanics* magazine. After the threat round has passed the tunnel opening, explosive devices detonate, slamming the door closed within 40 milliseconds, thereby protecting the environmental integrity of the containment vessel.

The filtration system is a four train air system (two supply and two exhaust). Twenty air changes take place within an hour. The facility houses an extensive asset protection system capable of delivering 800 to 1,500 gallons per minute of water on the target. The facility also houses a lift station, a collection tank for liquid wastes, a clarifier that removes suspended solid material,

an oil/water separator, and a recovery tank. The Superbox facility has proven its worth many times over and in this environmentally aware society, will undoubtedly prove invaluable in the future.

Underwater Explosion Test Pond

Increasingly strict environmental regulations have also impacted testing conducted by the U.S. Navy. Moved from the oceans, to the Gulf of Mexico, to the Chesapeake Bay, to Bush River, MD, the Navy's testing was headed downstream until CSTA, in conjunction with the Navy, developed and constructed the Underwater Explosion Test Pond (UNDEX). The pond, pictured in Figure 3, measures 330 feet in surface diameter, is 60 feet deep, and has a flat bottom diameter of 70 feet. It can be used for surface and subsurface shock testing and has a maximum explosive charge weight capability of 400 pounds TNT equivalent.

To complete the Navy's in-shore testing requirements, CSTA is currently constructing the UNDEX Test Facility (UTF). The UTF will be 1,000 feet in surface diameter, 150 feet deep, and will have a flat bottom diameter of 300 feet. The maximum explosive charge weight will be 4,100 pounds TNT equivalent. The UTF also boasts a barge slip for delivery of test items direct from the Chesapeake Bay.

Instrumentation

These three facilities, unique as they are, have one common factor: instrumentation. CSTA has incorporated into these facilities the most advanced data acquisition and engineering equipment available. Instrumentation at CSTA's LFT&E facilities can be divided into the following categories: photographic and radiographic; toxic gas; thermal radiation; ballistics; automotive; and asset protection.

Photographic and Radiographic

Both 35mm and 120mm still photography, as well as video, document each step of the live fire test process. The process begins when the test assets arrive and is not completed until the last test is conducted. The picture and video provide an accurate, descriptive account of the entire test cycle.

Remotely operated pan-and-tilt video cameras are also used to provide test documentation and to provide a remote viewing capability at the safety enclosure 1,000 meters away. Ballistically protected cameras are placed within the test item to document the interior of the asset during testing.

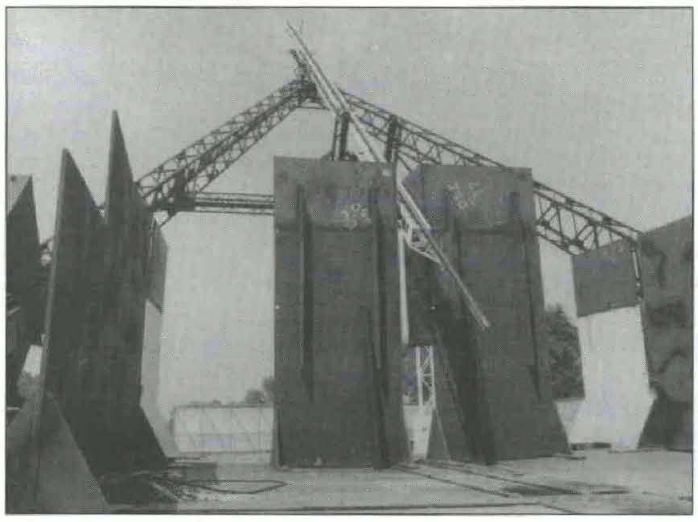


Figure 1.
The SuperRail, a computer controlled, elevated rail for dynamic missile launches.

High speed film, typically between 5,000 and 10,000 frames per second, is used to document threat orientation during flight-to-target and at target impact. Opposing cameras document yaw and pitch deviants as well as impact orientation of the threat.

Doppler radar systems are frequently used to acquire muzzle, in-flight, and striking velocities. High speed, high voltage, flash radiography equipment is also a proven asset when test requirements dictate a need for permanent, clear images of extremely high speed events. Radiographic instruments emanate high fluence densities over brief time periods to capture silhouettes of metallic objects without blurring or streaking.

Measuring Toxic Gases

Toxic gas concentrations within the confines of a troop carrying vehicle are extremely important as toxic gases can be both incapacitating and deadly and can be undetectable to the average crewman. Of particular interest are the concentrations of carbon monoxide, carbon dioxide, nitric oxide, nitrogen dioxide, hydrogen fluoride, hydrogen bromide, hydrogen chloride, acrolein, formaldehyde, and hydrogen cyanide. All of these compounds may be formed in the event of a perforation into the troop compartment of a vehicle or in the event of an onboard fire.

Toxic gases are typically measured at each crew position within the troop compartment before, during, and after a test event. In this manner, a complete history of toxic gas concentrations within the confines of the vehicle is produced. Once concentration levels are determined, the values are compared against criteria developed by the Surgeon General's Office to derive crew incapacitation levels.

Measuring Thermal Radiation

During typical live fire testing, free

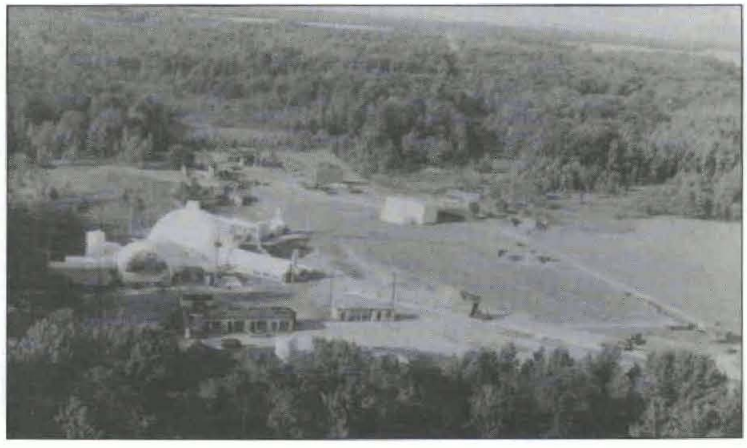


Figure 2.
The $13.5 million Depleted Uranium Containment Facility.

air thermocouples and heat flux calorimeters are placed on the crew simulants. Typically, three thermocouples and two calorimeters are utilized, but the acquisition system is capable of many additional channels. Heat flux measurements allow the summation of radiant, conductive, and convective thermal loads. Prediction of second-degree burns is accomplished by comparing the acquired thermal readings against established burn criteria.

Collecting Ballistics Data

Crew acceleration data is acquired through the use of human hybrid simulants. These hybrids are identical to those in use throughout the automotive industry in crash testing. They provide acceleration data in three axis at three general locations: the head, the chest, and the pelvis. Additionally some advanced hybrids provide shear, bending, compression, and torsion measurements at the neck, the spine, and in the legs.

Crew blast overpressure data is acquired through the use of pressure transducers which are typically affixed to the crew simulants. Overpressure data is analyzed against a human injury curve to determine a level of incapacitation as a result of exposure to pressure waves of varying magnitude and duration.

Component ballistic shock data and strain data are acquired through the use of piezoelectric and piezoresistive accelerometers and through the use of strain gauges. Accelerometers and strain gauges are affixed to critical components and/or rigid armor to determine shock loads transmitted to the vehicle as a result of an "attack."

Shock data is compared against an established criteria for the particular system being tested to determine damage and/or degradation to a given component or structure. One readily apparent outcome of this type of data acquisition is the now fundamental use of shock damping material in component mounting procedures.

Automotive Instrumentation

LFT&E could not be complete without a detailed, accurate account of the target vehicle's response to the attack. In the initial phases of the test, a baseline of vehicle performance is established against which all post-shot automotive tests are compared. The baseline test includes such parameters as top speed, acceleration, and braking distance. Also, on-board electronics such as range finders, optical sights, ballistic computers, and communications equipment are also thoroughly tested for the baseline. Following each test event, the vehicle is retested in a like manner to determine if any degradation of the vehicle's components has occurred.

Protecting Test Assets

The final instrumentation group is the package of equipment which protects the target asset. LFT&E typically involves destructive testing against multi-million dollar vehicles or other defense equipment. Although the tests are destructive in nature, it is not the intent of LFT&E to destroy the assets. The asset protection system employs omni-directional, pan-and-tilt fire nozzles which permit direct and accurate application of water and/or aqueous foam onto the asset. In addition to this external protection, Halon, CO2, and water lines are plumbed into the vehicle's crew area and engine.

Conclusion

LFT&E demands the most advanced electronic and mechanical instrumentation. When a typical live fire event may cost upwards of $75,000, data acquisition becomes extremely important. At CSTA, some of the most innovative and experienced scientists, engineers, and technicians work together to provide the foremost arena for much of the most important vulnerability and lethality testing conducted within the Department of Defense.

TRACY SHEPPARD is a project engineer with the Live Fire Vulnerability Directorate, Combat Systems Test Activity. He recently completed testing and the final report on the new M109A6 PALADIN, 155mm Self-Propelled Howitzer LFT&E project.

Figure 3. Aerial view of the Underwater Explosion Test Pond.

ADVANCED POWER SYSTEM DEVELOPMENT PROGRAM FOR THEATER MISSILE DEFENSE GROUND BASED RADAR

By Scott Coombe, Thomas Childers and Eleanor Raskovich

Introduction

The Gulf War dramatically illustrated the importance of highly mobile radar detection/missile interceptor systems such as PATRIOT. Streaking across middle eastern skies, PATRIOT missiles helped dampen the Iraqi Scud "rain of terror." But intercepted Scuds still wreaked some damage on their primarily civilian targets. PATRIOT intercepts occurred too close to these targets to spare them from showers of shrapnel and debris. Had the Scuds borne chemical/biological payloads, the consequences would have been disastrous.

New missile and radar systems are now being developed to provide a more effective defense. The U.S. Congress, recognizing the importance of improving our theater missile defense systems, passed the National Missile Defense Act; this legislation mandates that the Theater High Altitude Area Defense (THAAD) missile system be operational by 1996.

The Belvoir RD&E Center is working to provide power for the Ground Based Radar (GBR) system (see Figure 1), an integral element of the THAAD concept. GBR is designed to detect and track incoming missiles at ranges far exceeding those of the Army's current PATRIOT radar system. The GBR system enables missile systems such as the THAAD system to intercept and neutralize enemy missiles much earlier in their trajectories, reducing the effect of an incoming missile payload on defended theaters. The THAAD system eliminates secondary damage to populated areas caused by the debris of targeted missiles.

Program Description

The GBR and THAAD systems are being developed by the Ballistic Missile Defense Office (BMDO), formerly SDIO. GBR system development is funded through the program executive office—Missile Defense (PEO-MD) and managed by the project manager, Ground Based Radar Project Office (GBR-PO).

The GBR radar uses a phased array design to send tracking pulses, tracking the enemy target and the interceptor simultanaeously. GBR sends coded radar pulses to the interceptor to control its airfoils; GBR then brings the enemy target and the interceptor together to kill by direct impact or high explosive.

The GBR-PO selected Belvoir to evaluate GBR power requirements and propose advanced power system concepts in 1992. Early in the evaluation, GBR-PO and Belvoir noted that radar power must be analyzed from a systems perspective to achieve the desired end-item capabilities. Belvoir completed the conceptual design phase in early 1993 and is currently preparing detailed designs, performing component testing, and pursuing long-lead component acquisition. Belvoir prototype power systems will include mobile power sources and electrical switch gear.

The goal of the GBR-PO/Belvoir Advanced Technology Demonstration Program is to develop an advanced mobile electric power system that meets Theater Missile Defense (TMD) requirements. In addition, the power system

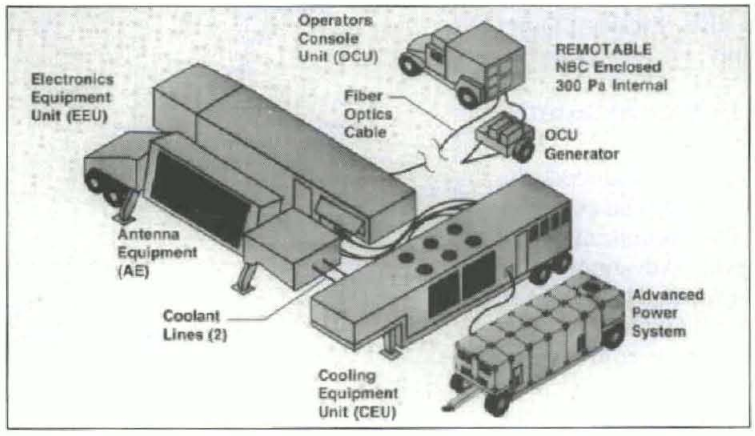


Figure 1. Ground Based Radar System concept.

will incorporate features that may be required for powering other Department of Defense (DOD) systems. The power system will demonstrate the feasibility of meeting projected requirements for the TMD Engineering and Manufacturing Development phase scheduled to begin in FY97. An interim goal is to demonstrate prototypes during an FY96 User Operational Evaluation.

Current plans are to build both diesel and turbine based systems (see Figures 2 and 3). They will be evaluated on the basis of life cycle cost and technical performance. Each system will provide 1.1 megawatt or more of continuous, tactical quality power. Each system will incorporate the power transfer capability necessary to supply 930 kW, low voltage DC for GBR solid state radar modules and 170 kW, 120/208 V, 60 Hz for auxiliary loads.

Key Operational Requirements

The GBR power source must be lightweight and small enough to transport using U.S. Air Force fixed wing cargo aircraft (roll on/roll off). Army inventory and/or commercial mobility platforms (trucks/trailers) will be used for transportation. It must be reliable, transportable by C-141 (required) and C-130 (desired) aircraft, and have off-road capability. The GBR power source must be Signature Suppressed, Electromagnetic Pulse (EMP) and Electromagnetic Interference (EMI) hardened, Nuclear, Biological and Chemical (NBC) survivable, and soldier compatible.

Belvoir's Power Generation Division is evaluating these and other GBR power requirements to develop an advanced power system. Belvoir has extensive experience in implementing these requirements on systems such as PATRIOT and Regency Net Power Plants, STAG (Survivable Tactical Army Generator), and the Tactical Quiet Generator Set family.

Approach to Power System Development

Recent developments reduced the technical risks of meeting the combination of stringent TMD requirements to a manageable level. Advances have been made in diesel and turbine engines, alternators, signature suppression technologies, and microprocessor-based controls.

To minimize size and weight of the system, Belvoir focused on the largest and heaviest components involved: the engine, alternator, and transformers. Two turbine engines, the T55 and T64, were identified as candidates. Both are used in DOD helicopters. These engines provide high power density and are already supported in the DOD supply system.

For the diesel alternative, Belvoir quickly identified engines that are already optimized for size and weight to meet the stringent power density demands of heavy tanks. Among the candidate diesel engines are the Condor V12 by Perkins, which is used in the British Challenger tank, and the MT 883 by MTU, which is used in the French LeClerk tank and is under consideration for the U.S. Marine Corps Advanced Assault Amphibious Vehicle (AAAV).

The current plan is to use off-the-shelf 60 Hz alternators. The weight of these alternators creates some difficulty meeting overall diesel power system weight goals. However, initial designs still indicate this weight goal is achievable.

During the 1980s, Belvoir developed a power dense, high speed, high frequency alternator for pulse power applications. It is a high risk, high payoff component in the overall power system development. Long-term Belvoir plans call for testing this in-house prototype alternator to assess its ability to meet system reliability goals.

This high frequency alternator, if proven reliable, could produce significant reductions in system size and weight. The reductions would be in the alternator, the generator set housing/structure, and the transformers. High frequency (700-1,000 Hz) power requires much smaller transformers than 60 Hz power. The transformers are used to reduce the 4,160 V output voltage to a useable range for the radar system. Other system benefits include improved power transmission efficiency and power growth potential.

The requirement for soldier compatible controls will be met through the use of a display panel or "touch screen" that prompts the operator or maintainer for input. The system provides access to all necessary information (electrical, engine-mechanical, temperatures, etc.) and provides features such as troubleshooting, input/retrieval of maintenance data, and prognostics (failure prediction). Belvoir has already developed and demonstrated a microprocessor-based generator set control system with these capabilities.

Program Risk Reduction

The objective of the overall program is to provide a single system design capable of meeting user requirements. Because technical risks are inherent in any advanced development program, Belvoir is focusing on the following methods of risk mitigation:

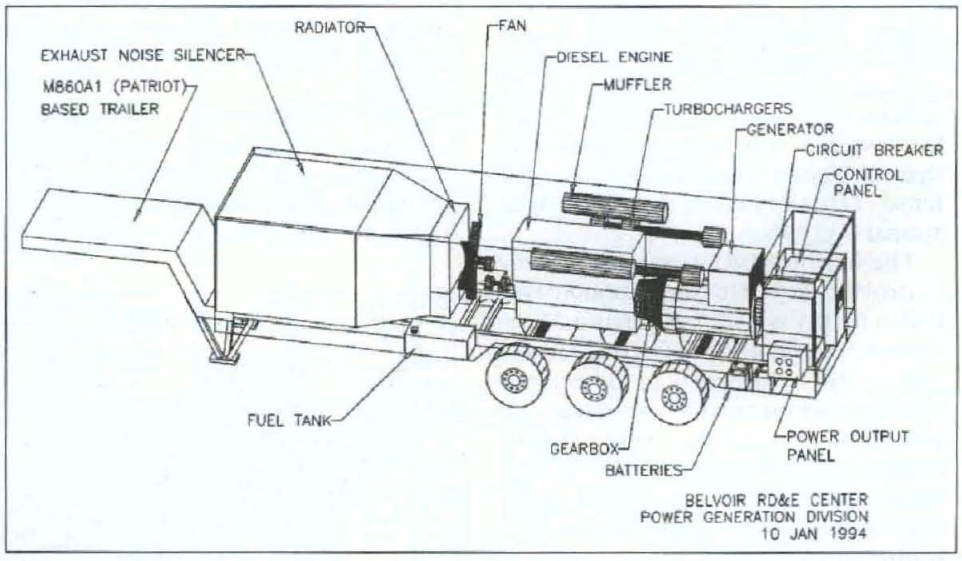


Figure 2.
Advanced GBR power system diesel version.

Multiple Program Paths - A turbine system has the best chance of meeting technical requirements, but a diesel approach may also meet requirements plus offer significantly lower fuel consumption. It is not yet clear which approach will yield the lower life-cycle cost. One significant factor in considering a life cycle cost estimate is that the turbine engines considered are already in the DOD supply system, but the diesels are not. Information necessary for an accurate cost estimate is being collected and will be finalized upon completion of prototype testing.

Focus on Non-Developmental Components - Although a developmental effort is required to produce a power system that meets user requirements, virtually all major components and subsystems can be acquired on a non-developmental basis. Belvoir's prototype designs emphasize the use of existing off-the-shelf components. Commercially available components can be used in both the turbine and diesel systems. The exception is the diesel engine, which will require a moderate level of modification to meet the specified power levels. Among the engine modifications anticipated are the use of sequential turbocharging and changes from mechanical to electronic unit fuel injectors.

Multi-User Approach - The prototypes being developed will primarily satisfy TMD requirements, but Belvoir is coordinating closely with the project manager - Mobile Electric Power (PM-MEP) to ensure that the designs incorporate features that meet the needs of other users within the Army and throughout DOD. For example, if the prototype diesel power system is only capable of providing 0.9 MW instead of the 1.1 MW required for GBR, this power level will still be suitable for replacement of the 0.75 MW power systems now available from PM-MEP. PM-MEP indicates an interest in future replacement of the 0.75 MW system with the GBR power system.

Preplanned Product Improvement (P3I) - Belvoir has identified two P3I efforts to meet potential future requirements:

- Mobile Track System - This is a mobility enhancement that is currently being developed by Tank Automotive Command Research Development and Engineering Center (TARDEC). The system consists of a tank-type rubber track that significantly reduces ground pressure and provides enhanced cross-country mobility in sand and mud. The system is already available for some of the smaller trailers in the inventory but is under development for larger military trailers.
- Lightweight Alternator - A medium-risk 60 Hz alternator and a high risk/high payoff, high frequency alternator product improvement program may be pursued to reduce overall program risk.

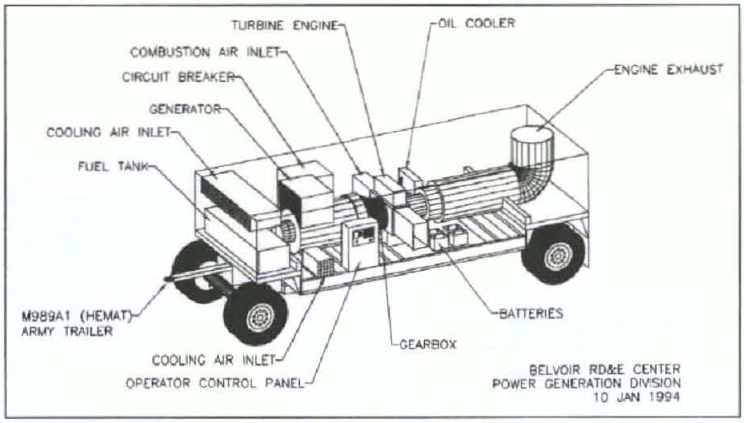


Figure 3. Advanced GBR power system turbine version.

Power System Advisory Committee

The GBR Power System Development Program will produce advanced technology demonstrators for use in a Milestone II decision in January 1997. Due to the advanced nature of the power systems, technical decision points will occur throughout the program requiring knowledgeable organizations and personnel to recommend proper program direction.

The GBR-PO established an advisory committee to make technical decisions and implement program plans. The committee consists of the Air Defense Artillery School, the Corps of Engineers' Prime Power Battalion, Training and Doctrine Command (TRADOC), PM-MEP, GBR-PO, Los Alamos National Labs, and Belvoir. This group spans a broad range of disciplines and will be invaluable in solving issues that require input from the technical and user communities.

Conclusion

This advanced power system will represent an important new level of capability for the Department of Defense. Some of the important "firsts" include:

- First generator set in this power range to be developed for tactical missions (off-road mobility).
- First generator set to incorporate signature suppression, nuclear survivability, and advanced controls.
- First cross-country mobile generator set above 750 kW that is small and lightweight enough to transport on C-130 or C-141 aircraft.

Through the use of a system level design approach, risk mitigation, and the incorporation of advanced and existing technologies, the Ground Based Radar advanced development program will provide an extremely capable, cost effective component for tomorrow's critically important theater missile defense systems. It will give the U.S. military the power it needs to defend our troops and allies against airborne threats.

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THOMAS CHILDERS works in the Power Generation Division at BRDEC. He holds a B.S. degree in physics from Mary Washington College in Fredericksburg, VA.

ELEANOR RASKOVICH works in the Power Generation Division at BRDEC. She holds a B.A. in English literature and an M.S. in physics from the University of California, Los Angeles.

PRECISION AUTOMATED TRACKING SYSTEM USED AT YPG

By SPC John S. Paramore

Shown here is the base of the laser tracking mount. The base is supported on individual cement pedestals. This allows the mobile trailer to remain stable for completely accurate test results even in high winds up to 50 mph.

In a time of budget crunches, an uncertain economy, and world disorder, the U.S. Army Yuma Proving Ground (YPG), AZ, is helping the military forces of the U.S. stay strong by testing new technology, equipment and munitions for the U.S. warriors of tomorrow.

One of the keys to the precision testing done at the proving ground is the use of precision automated tracking systems using a pulse laser. The system is a mobile laser tracking and ranging system that gathers, records and displays space position information on a wide variety of vehicles and targets in a real-time data mode. This accurate system records, displays and allows test engineers to review the data while the test is in progress.

The lasers are used at installations ranging from NASA to Fort Bliss, TX, and six of these systems are currently in use at YPG. The lasers have tracked many different targets in their time of service at YPG. They have tracked people, rockets, aircraft and airdrops of equipment. Their use enables test engineers working on projects to get immediate tracking and positioning data. Gene Smith, electronic technician, YPG Field Instrumentation Branch Electronics Division, said, "We tracked everything from people to the B-1 bomber. The test load and size of Yuma Proving Ground determined the number of sites we operate. With the six sites we currently maintain, we are able to track a target anywhere on the range."

The closest site is 5.5 miles from the YPG range operations center and the most distant is 54 miles from the range operations center. Each site is specifically situated to cover different types of tests and to support one another on lengthy tests over wide areas.

The system accuracy is comparable to that of multi-station cinetheodolites (a system of high speed cameras which determine the position of the object being tested). But high precision space position data costs significantly less with the laser trackers and is available much sooner. Data can be recorded, displayed, and reviewed while the test is in progress. The GTE Sylvania trackers are believed to be one of the world's most accurate laser ranging and tracking systems of this type. It has a number of important advantages over radar and cinetheodolite position-measuring systems.

"The lasers are absolutely critical for

The mobile laser tracking system is a self contained unit capable of being transported anywhere.

most tests. Other methods of tracking aren't instantaneous and, because the lasers provide instant feedback with great accuracy, they are the primary designator for information derived from a test. They are currently even more accurate than the Global Positioning System," said Smith.

The tracker works on somewhat the same principle as a radar setup. The system measures azimuth, elevation, and range automatically by transmitting a laser pulse to a target and measuring the angle of return and the round-trip time. Unlike radar, the system gathers space position data on targets, day or night, during bad weather or conditions of low visibility.

The system uses infrared lasers to interrogate a target 100 times per second with a short laser pulse. A retro-reflector mounted on the target has an arrangement of three internal mirrors which reflect the laser pulses back to the receiver in the tracking mount with high efficiency. This increases tracking range (to 30 km) and provides target position accuracy with the elimination of clutter and background noise that plagues radars.

"The farthest target we have ever tracked was 140,000 feet away, but to do that the system has to be running at optimum levels. Targets can't outrun the laser, but they can outrun the mount," said Smith.

The laser, its electronics, and all optics are contained in a trailer that is designed to maintain system accuracy and stability in winds up to 50 mph. This is achieved when the tracking pedestal is raised free of the trailer frame with jacks on cement pedestals. This mechanical isolation keeps ordinary operating movements from interfering with the accuracy of target tracking. In addition, internal temperature controls maintain comfort inside when outside temperatures are between zero and 120 degrees Fahrenheit.

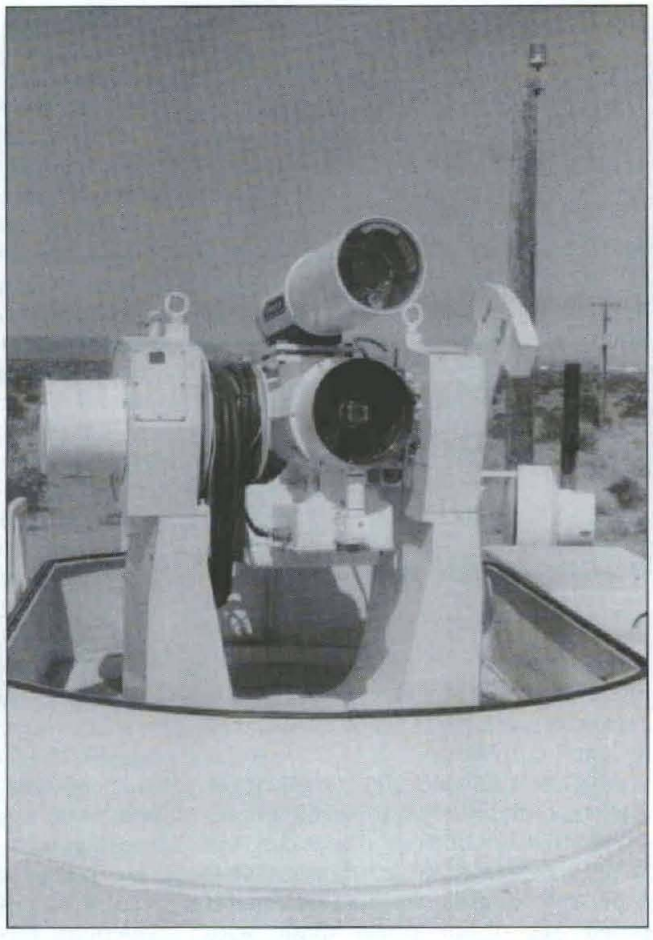
The optical mount is a servo-driven elevation-over-azimuth mount carrying the optical/laser package. The optical mount, in turn, is located on a three-legged pedestal independent from the trailer structure. The mount automatically moves in response to: laser error signals in auto track, joystick output in manual and normal modes, computer output in the computer operating mode, or signals from a remote tracking site when in the remote operation mode.

Alison Hiers, electronic engineer, YPG Field Instrument Branch, Electronics Division, said, "We are going to be modernizing the systems in the near future. The upgrades will combine the computer interface unit and the system computer. The new packages will have a touch screen for entering data and targets. This modernization is for operator ease and to bring the system to a level where spare parts are more readily available."

The data gathering equipment consists of two dual-pen X-Y plotters and a videotape recorder (VTR). The plotters display space position data in real time. The VTR records the output of a TV camera.

A keyboard terminal makes up the main interface between the operator and the data processing subsystem. Be-

Alison Heirs (left) and Gene Smith wait for the system to warm up before a test. Heirs and Smith are electrical technicians in the electronics division of Yuma Proving Ground's Test Maintenance Branch.



The laser tracking mount consists of an infrared camera on top of the pulse laser. The camera is actually boresighted with the laser to make tracking a target easier.

fore the mission, the terminal acts as a normal processor to enter mission parameters. After the mission it displays taped tracking data for rapid relay to test engineers.

The tracking system data processing subsystem controls the tracking subsystem and formats data for recording and real-time display and plotting. The computer interface unit provides the interface for the tracking and data processing subsystems. Data to and from the magnetic tape unit, the alphanumeric terminal, paper tape reader/punch, and X-Y plotters is controlled by the processor software program.

The processor software program has a number of important functions. The first is greater safety. It can designate up to 10 zones of azimuth as "corridors" in which laser radiation will not occur or is restricted to prescribed levels. The program shuts down the laser transmitter in these zones and—using track history—moves the mount smoothly through the corridor. Once clear, the transmitter turns on again automatically.

The second important function is the acquisition of a target using real-time data from a remote facility. Third, the processor computes the target position and velocity in real time for plotting and display. Finally, the computer program automatically tests all transitions of the 18-bit digital encoders on the azimuth and elevation axes of the optical mount. Data available for plotting includes target position in cartesian coordinates, target velocity and target position in polar coordinates.

These parameters can be plotted in combinations or against time. Target-mounted retro-reflectors are small, lightweight, and rugged. They are passive components; an occasional cleaning is all they need to keep them fully operational. In addition to target mounts, Flexite, which is a roll of plastic fabric with laser reflectors, is used quite frequently at Yuma for tests on equipment when a mirror will not be effective.

The laser tracking system itself uses a Neodymium-YAG laser transmitter. A Xenon flashlamp pumps the laser rod at 100 pulses per second. The laser output is a 15-nanosecond pulse of infrared (1.06 micron) laser energy which is beamed at the target. These pulses also trigger an interval counter in the range computer. When a pulse returns from the target, the counter stops, giving the range to the target.

"Peak power in the laser is a million and a half watts, but average power is four and a half. A hundred pulses per second is fast by laser standards; the average is 40 to 60," said Smith.

To manually acquire a target, the operator slews the optical mount with a joystick while watching the monitor. When the target is within the acquisition field at the center of the screen, he fires the laser and the system automatically locks into track. The automatic tracking is triggered by the return of the laser pulse from the target retro-reflector. For automatic acquisition, the desired mode of operation, the tracking system processor determines target coordinates from remote site data and directs the optical mount until lock-on and automatic tracking are achieved.

The laser tracking system has many of the advantages of conventional radar, without the problems. Accuracy is much greater, and like some radars, the tracking system works from a single station, is mobile, and can operate day or night. Unlike radar, lasers are immune to multi-path clutter or backscatter. And the accuracy of the tracking system is not to be found in the world of radar.

"Working with lasers is one of the best jobs to have at Yuma Proving Ground. Global positioning systems will probably replace lasers in the future, but right now and for years to come, it will be the best system to use for tests," said Hiers.

SPC JOHN S. PARAMORE is a U.S. Army photojournalist at the Yuma Proving Ground Public Affairs Office.

NEW TRACK-TENSIONING SYSTEM MAY CUT TANK MAINTENANCE COSTS

By George Taylor
and Dan Bryant

The U.S. Army Tank-Automotive Research, Development and Engineering Center (TARDEC), Warren, MI, has developed a Dynamic Track-Tensioning System (DTTS) for tanks. The DTTS is designed to improve vehicle mobility by dynamically responding to changes in running-gear components. This will allow the vehicle to operate at the lowest possible track tensions without increasing the chance of "throwing" the track.

A prototype of the system was recently installed on an M1-series tank by TARDEC. The vehicle, referred to as the Suspension Technology Demonstrator (STD) is now undergoing performance and durability testing at TARDEC, and is scheduled for more formal testing later this year at the Waterways Experiment Station in Vicksburg, MS.

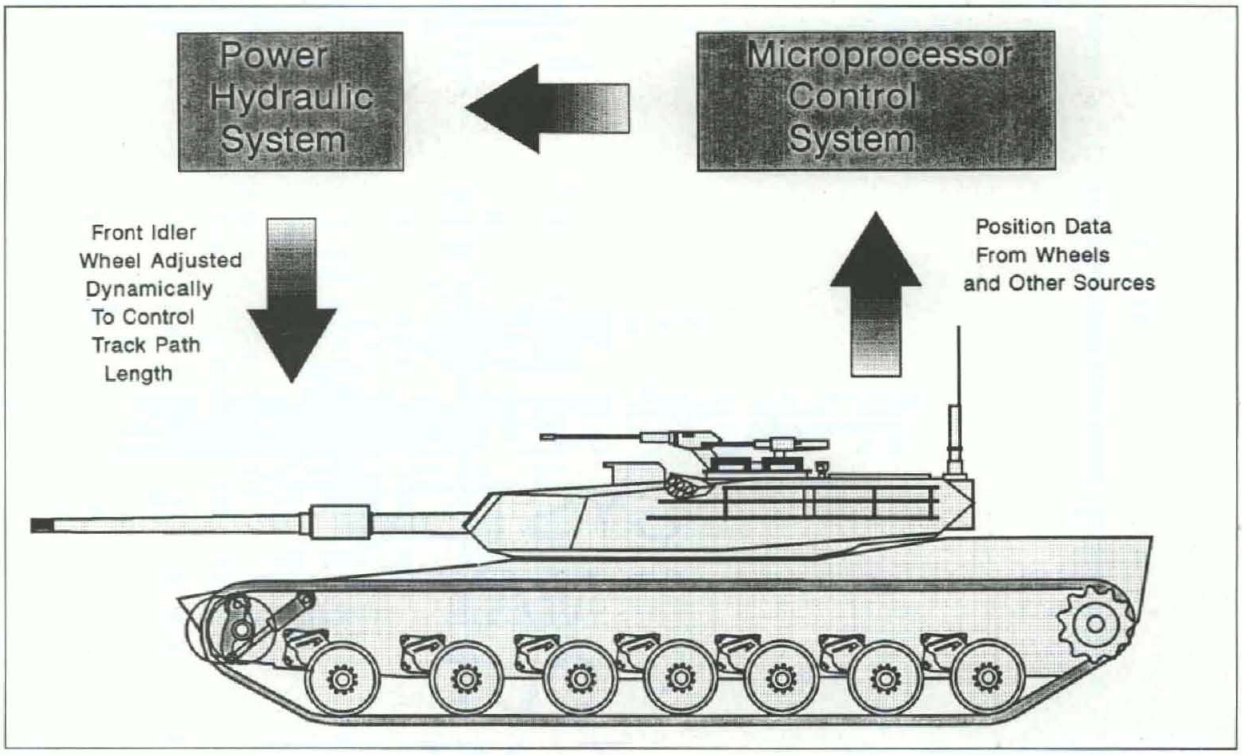
In any tracked vehicle, it is necessary to adjust the tracks periodically to maintain the proper track tension around the running-gear envelope. The reason for this is that the heat and stress generated by the tracks as the vehicle travels over terrain causes the track bushings to compress and wear, thereby allowing the track to stretch and loosen.

The high wheel travel and mobility requirements of an M1 requires track tension to be set unnecessarily high so that the track does not misguide off the drive sprockets, road wheels or idler wheels. The disadvantage of such high track tension, however, is that it induces a high rolling resistance on the vehicle. This means it takes more horsepower (more fuel) to operate and also causes unnecessary wear on the track and running-gear components.

Setting the track tension in the M1 and M1A1 tanks is a daily maintenance task and can take up to an hour to perform. It involves adjusting the pressure exerted by a compensating idler assembly on each track. It is called a compensating idler assembly because it attempts to compensate the track tension by mechanically linking the idler wheel to the front road wheel station.

Each idler assembly is attached to a rod that connects to a piston in one end of a large cylinder containing grease. This rod-piston-cylinder assembly is called the Track Adjusting link (TAL). The TAL is mounted to each of the vehicle's two front road arms—trailing arms that extend downward from the hull and connect to the road wheels and shock absorbers.

The crew adjusts a track's tension by loosening a locking nut that holds the



Dynamic Track Tensioning System.

The purpose of the Dynamic Track Tensioning System is to help the Army learn as much as possible about track dynamics and the potential for improving vehicle performance, while simultaneously reducing operating and support costs and validating computer models.

rod in position during vehicle operation, and pumping grease into the cylinder through a grease fitting. As the pressure of the incoming grease builds, it slowly pushes the piston forward, thereby increasing the pressure of the idler wheel against the track. The crew continues to pump grease until it starts to blow out of the cylinder through a relief valve, which is preset to release grease when the pressure reaches the desired level. The locking nut is then retightened to secure the idler assembly.

The DTTS system incorporates the M1 idler wheels and associated hardware. Unlike the standard system, however, it uses hydraulic pressure to adjust track tension, thus eliminating the need to loosen and tighten the locking nuts and enabling static and dynamic control of track tension.

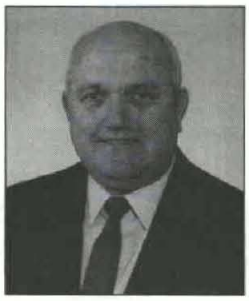
The entire track-tensioning operation is automatic. Sensors monitor position data from the idler wheels and road arms to determine the Track Path Length (TPL). The TPL is an imaginary line that runs straight around and between the idler wheels, road wheels and the final drive hubs. Statically it varies from the actual track length by the sag in the top part of the track. These position data, along with vehicle speed and hydraulic system pressures, are fed into a microprocessor, which in turn compares the actual TPL to the desired TPL. It then controls the hydraulic system's servoactuator to move the idler assembly accordingly. This concept will allow the vehicle to operate at the lowest possible track tension. The benefit is reduced fuel consumption and reduced wear on running-gear components while also keeping the track on during cross-country travel or high-speed maneuvers.

The purpose of the DTTS is to help the Army learn as much as possible about track dynamics and the potential for improving vehicle performance, while simultaneously reducing operating and support costs and validating computer models. The current configuration of the DTTS is not intended to be retrofitted on the M1 but is expected to drive design requirements and goals for future tracked vehicles.

GEORGE TAYLOR is a technical writer in the Marketing Office of the U.S. Army Tank-Automotive Research, Development and Engineering Center (TARDEC), Warren, MI.

DAN BRYANT is a senior project engineer in TARDEC's Mobility Technology Directorate.

What Are Your Experiences Thus Far, Both Positive and Negative, As A Member Of the Army Aquisition Corps?



Larry D. Holcomb
Deputy Program Executive, Aviation
Office of the PEO-Aviation
St. Louis, MO

My views and experiences with the Acquisition Corps are all positive. We are certainly feeling growing pains, but in my view, growing pains are a healthy indication that we are in fact growing. In the last two years, the Acquisition Corps has taken shape and become a reality. The uniformed members of the Corps are now managed at TAPA with clearly defined career development schemes and completely included and doing well in the central selection process. On the civilian side, we still have a great many challenges and substantial work ahead to be done.

My view is that the Acquisition Corps offers real potential for solving many of the problems associated with the scale down of the defense work force and the problems associated with smaller budgets, organizational restructuring, fewer promotions, and a general sense of desperation in the eyes of many looking to their personal future. The Acquisition Corps, with its structure of professional development goals and objectives and focus on the members of the acquisition work force, can be a keystone in supporting our long range goals both for individuals and members of the research, development, and acquisition team. The emphasis on professional development, education, technical currency, proficiency, and integrity and ethics, as well as continuous improvement give us a strong set of underpinnings to weather these hard times. I recently heard from a leader for our defense electronic industry that the market life of the lap top computer is around nine months before new technology drives it off the market and replaces it with a later version. This explosion in technology and the challenges in changing the way we do business offers all of us some great opportunities to grow in the Acquisition Corps. We have to come to grips with new ideas and change. Central selection of civilian project managers will become a reality. We must have programs for civilians that recycle them in the changing technology explosion that maintains their proficiency in their field. A training with industry program might meet this need. An increase in leader-to-lead ratios and reduction levels of supervision that have grown up over the years is inevitable. This will place a far greater demand on the leaders of tomorrow in terms of counseling, supervision, and professional development of subordinates. We can expect continued change like the recent revision of the Program Management Course at DSMC to better address the needs of the acquisition work force. There may be a growing number of local programs such as the Gateway University program here in St. Louis that are tailored to meeting the professional development needs of the Acquisition Corps in the future.

The beauty of starting with a blank sheet of paper as the Army has done with the Acquisition Corps is that if we are dedicated, imaginative, and innovative, we can write a successful story for Army acquisition that exceeds any of our expectations. I am encouraged by the strides made so far. All of us as members of the Acquisition Corps must accept a personal responsibility for recruiting new members and developing those who have been selected to guarantee the success of the Corps in the long run. In spite of a few clouds on the horizon that we must deal with, the future is bright and challenging.

Roxanne C. Braun
Product Manager, Army Food Management Information System (AFMIS)
Office of the PM, Integrated Logistics Systems
Fort Lee, VA

With the establishment of the Army Acquisition Corps, a large body of loosely organized and somewhat autonomous groups of acquisition personnel began the transformation into a true professional entity. With my 11-year background in logistics and acquisition, I could perceive, upon my accession into the Corps, the developing stages of the expertise, commitment, ethics, and maintenance of standards necessary to define a professional body. With over five years experience in a Project Manager's Office, and four years in a Product Manager's position, I am gratified to see the precepts for the establishment of the Corps continuing to develop and manifest itself into the entire process. As in any organization, there are positive and negative aspects. I can truthfully say that the positive aspects far outweigh any negative aspect I can determine. I would like to discuss two major positive aspects and one negative aspect that have directly impacted upon me.

The major benefit in the establishment of the Acquisition Corps is the formalized system of education and training opportunities. The knowledge required to perform the crucial duties and responsibilities of a Program/Product Manager must be developed from a balanced approach. While experience is a critical part of career development, once an individual progresses into the managerial and executive realms, this experience must be augmented with a systematic approach of formalized training and education. In my own case, the opportunity to attend the Army Management Staff College and the Program Manager's Course sharpened my skills and technical capabilities, while broadening my vision in all aspects of the acquisition process. In addition, the opportunity provided has allowed me to receive my B.A. in management and continue taking courses to realize a master's degree in acquisition. The integration of experience, training, and education has furthered my development as a manager and a leader, greatly enhancing my ability to provide quality systems to our users. Rounding out this academic system is potential attendance for Corps members at the Senior Service Schools and associated fellowship programs. This higher level of education will greatly assist the seasoned, well balanced manager to progress to executive duties.

The second positive impact is in the establishment of a common body of professionals, sharing experiences, successes and failures

with other members. This network of managers and leaders with a common background, provides a wealth of information that can reduce waste and improve fielding of systems across the entire spectrum. The executive system, with an established chain-of-command can react to and provide the focus to implement the impending changes and reforms necessary in this changing environment. I have benefitted from the knowledge, leadership, and experience of my peers, my supervisors, and senior executive personnel, thus enabling me and my staff to provide a more cost-effective product for the soldier.

The major negative aspect of the Corps involves the lack of a recognizable, comprehensive, formal career development program. Currently, the embryonic Centralized Referral System does not provide this service to the career acquisition personnel. The expectations resulting from the development of this professional body, augmented by the educational and training opportunities, are not being met by the current program. In my own case, I am approaching the transition of my program. Yet, I do not have an effective mechanism to determine future assignments or training leading to future assignments. There is a great deal of personal and professional frustration that comes when you cannot readily see where the experience gained from a current assignment is going to lead. The Acquisition Corps must further the development of career tracks to ensure successful managers have a map for continued professional development and assignment within the Corps. The uncertainty must be eliminated and a responsive program established to further utilize the skills realized, while providing challenging and rewarding assignments that will benefit the service and the individual.

I feel extremely fortunate to be a member of the Corps. The positive aspects will ensure that the Army will continue to be ready for the challenges thrust upon it. The opportunity to provide quality service, while achieving personal goals is the combination that will keep me a proud member.

LTC DuWayne W. Jones
Procurement Liaison Officer
Office, Chief Legislative Liaison
Headquarters, Department of the Army
The Pentagon

As a member of the Army Acquisition Corps, I had a unique opportunity to participate in the 1991-1992 Training with Congress Fellowship Program. Needless to say, this experience met all my expectations of a positive aspect of being a member of the Acquisition Corps. The fellowship program was sponsored by the assistant secretary of the Army for research, development and acquisition (RDA) and the American Defense Preparedness Association (ADPA). The purpose of the program was to provide a training and professional development experience in congressional affairs and the legislative process. The program was uniquely structured to provide insight into congressional operations and procedures that impact the Department of Defense (DOD) budgeting and acquisition process.

After selection for the program by the assistant secretary of the Army (RDA), I was assigned a mentor, the director of legislative affairs at ADPA. He, along with other members of his staff, immediately placed me in a two-week orientation program. During that time, I was immersed in a fast-paced, but detailed study of "Life on the Hill." I was specifically briefed on operations in a typical congressional office (both House and Senate), the functions of congressional committees, parliamentary procedures, and congressional information research capabilities. In addition, I studied how the media and interest groups impact the legislative process. At the conclusion of my orientation, I was selected to be a legislative assistant to Congressman Norman Sisisky of Virginia.

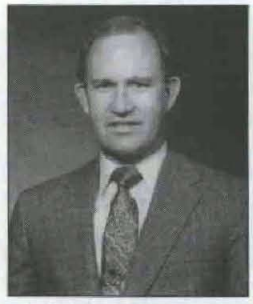
My duties on Congressman Sisisky's staff included providing advice to the Congressman on defense acquisition and military issues as they related to his responsibilities as a member of the House Armed Services Committee (HASC). My assignments involved attending committee meetings and briefings, conducting research on general defense and procurement related issues, and providing statement input and questions for the Congressman's committee and subcommittee hearings and activities.

There are many more experiences that I could share that would demonstrate that the Training with Congress Fellowship Program was both a positive and rewarding experience. This was certainly a unique experience to participate in the legislative process, be part of life of Capitol Hill, and ultimately witness how the Army is impacted by the process and decisions that result. If I could point to one negative, it would be that the Acquisition Corps has not re-instituted its sponsorship and selection of military and civilian members of the Corps to participate in this program. Our acquisition professionals would truly benefit from such an experience. They could carry much of what they would learn about the legislative process back to the Army as they continue to serve in acquisition jobs throughout the Army Acquisition Corps structure.

Mary S. Thomas
Acquisition Structure Division
OASARDA
The Pentagon

My most positive experience thus far as a member of the Army Acquisition Corps was the opportunity to participate in the Harvard Business School Program for Management Development (PMD). PMD is a three-month program designed as an integral part of the Harvard Business School curriculum and built around the same courses offered to the school's M.B.A. students.

More than half of the students in the program came from foreign countries. Exposure to their broad array of perspectives and experience was at least as educational as the classes themselves. In addition, the length and intensity of the program allowed me to step back from my daily routine and evaluate my own goals, strengths and weaknesses. I will continue to benefit from the opportunity to look beyond my DOD and American perspectives, and to develop a broader perspective on business in the global marketplace.



Joe Potts
Department of the Army
Systems Coordinator
OSARDA
The Pentagon

On the positive side, I was given the assignment to be a PEO liaison officer (sometimes referred to as a DASC) in February 1992. As an Acquisition Corps member I attended the Program Management Course in 1992. The course was educational and cultural, allowing 420 students in class 92-2 to learn the acquisition materials in the classroom and experience social functions with Congressional liaisons on the "Hill." The class also heard distinguished guest lecturers at luncheons and toured a defense contractor's plant.

A PEO liaison officer keeps the program manager appraised of changes in the program caused by a number of agencies within and outside the Pentagon. We have to react to new information sever-

SPEAKING OUT

al times each day with quick turn-around responses, and this keeps us busy resolving the programmatics. The reward is that each DA systems coordinator knows that, as a catalyst in passing information to sources that can respond to the task, the DASC keeps programs operational and top Army management informed regarding a program's programmatics. Thus, a Department of the Army systems coordinator is a major player in Army programs and in keeping the Army leadership informed.

Another fun assignment is for the DASC to be called to brief the assistant secretary of the Army (research, development and acquisition) down to the deputy for systems management on the programmatics of the programs he or she monitors. Some of the programmatics are test results, threat changes, and bill-payer exercises.

On the negative side, too much time is spent on bill-payer exercises which takes resources away and causes disruptions in the development and production of new weapon systems. Also, a great deal of effort is spent sustaining low priority programs. Civilian training is not clearly defined after the Program Management Course. Civilian career progression is not as clearly defined as military career progression. However, the positives outweigh the negatives.

CONFERENCES

Obsolescence Conference Announced

The U.S. Army Missile Command, in cooperation with the U.S. Navy, the U.S. Air Force, the Office of the Secretary of Defense, and the Defense Logistics Activity, will sponsor a conference on "Diminishing Manufacturing Sources (DMS) and Materiel Shortages" Aug. 8-11, 1994, in Jupiter Beach, FL. The theme is "A Proactive Approach to Obsolescence." The objective of the conference is to develop a more innovative strategy to solving this many faceted dilemma. By bringing together the best of industry, government, and academia, cooperative strategies may be formulated to solve the obsolescence problem through preventive techniques, more effective communications, and enhanced system design. For registration information, contact Susan T. Caldwell at (205)842-6352 or (205)895-6343, ext. 277.

1994 Army Science Conference Scheduled For June

The 19th Army Science conference will be held at The Peabody Orlando in Orlando, FL, June 20-23, 1994. This biennial event was inaugurated in 1957 to provide a forum for presentation, discussion, and recognition of significant accomplishments by U.S. Army scientists and engineers in their efforts to support the combat soldier of tomorrow. This year's conference, which is expected to draw more than 800 attendees, is only the second one which has been open to both the public and private sectors.

The theme is "Assuring the Competitive Edge." Session topics include: materials and manufacturing; biotechnology; environmental and geosciences; engineering sciences; signal and image processing; and life, medical and behavioral sciences.

The four-day meeting will feature the presentations of 225 papers and posters judged as best among those submitted by Army scientists and engineers. Authors of the most outstanding papers will be selected to receive special recognition and awards.

Throughout the conference, there will be exhibits available to demonstrate the latest technologies in government laboratories and research, development, and engineering centers. This setting will encourage face-to-face discussions.

Defense, academia, industry representatives and U.S. Army personnel involved with new scientific initiatives and ongoing modernization activities focused on near-term and long-range U.S. Army combat capabilities. Attendance will be beneficial to both management and technical personnel from industry and government who have an interest in the application of new scientific and engineering technologies.

Secretary of the Army Togo D. West is scheduled to speak at the awards banquet at which the Best Paper Awards and the Small Business Innovative Research Awards will be presented. Also scheduled to speak at conference events are: Norm Augustine, chief executive officer, Martin Marietta Corporation; and Dr. Harley D. Balzer, director of Russian area studies, Georgetown University.

Other key speakers scheduled for the conference include: Eric Baer, professor, Case-Western Reserve University; Lynne Jelinski, professor, Cornell University; Dr. Charles M. Bowden, senior research scientist, U.S. Army Missile Command; Dr. Robert B. Oswald Jr., director, research and development, U.S. Army Corps of Engineers; Dr. Rudolf G. Buser, director, U.S. Army Night Vision and Electronic Sensors Directorate; Paul Woodward, professor, Army High Performance Computer Resource Center, University of Minnesota; GEN Glenn K. Otis (USA Ret.), corporate vice president, Coleman Research and Engineering; Dr. Clayton B. Stewart, director of sensors and C2 technology, Science Application International Corporation; Anil Nerode, professor, Department of Mathematics, Cornell University; Phillip S. Myers, professor, University of Wisconsin; Judith Rodin, professor, Yale University; and George J. Haddad, professor, University of Michigan.

For further information, call the Army Science Conference Registration Desk at (704)255-0409, to datafax requests for information to (804)255-0056.

In Memoriam

Shirley Hills of Colonels Division at PERSCOM died of a heart attack on March 29, 1994. For the past three years, she was the military personnel staff technician supporting all Acquisition Corps colonels. She delighted in taking care of "her colonels" and surely touched the lives and careers of the colonels population. She will be greatly missed.

From The AAC Career Manager...

General Officer Critical Acquisition Positions

UNIT	DUTY TITLE	RANK	APC*
ASA (RD&A)	ASST DEP SYS MGMT	BG	V
	DEP FOR SYS MGMT	MG	V
	DIR FOR CONTRACTING	MG	C
	MILITARY DEPUTY ASA (RDA)	LTG	V
DCG SDC	DEP COMMANDER, SDC	MG	V
DISC4	DIR OF SYS MGMT, DISC4	LTG	V
HQ AMC	DCS FOR ACQ	MG	A
	DCS FOR AMMO	MG	V
	DCS FOR RDA	MG	S
JPM, BIO DEF	JOINT PROGRAM MANAGER	BG	A
PEO ASM	PROGRAM EXECUTIVE OFFICER	MG	V
PEO AVIATION	PM, COMANCHE	BG	A
	PROGRAM EXECUTIVE OFFICER	MG	V
PEO CCS	PROGRAM EXECUTIVE OFFICER	MG	V
PEO COMM SYS	PROGRAM EXECUTIVE OFFICER	BG	V
PEO IEW	PROGRAM EXECUTIVE OFFICER	BG	V
PEO MSL DEF	PROGRAM EXECUTIVE OFFICER	MG	V
USA AMCCOM	DCG (CHEM)	BG	V
USA ARDEC	COMMANDER, ARDEC	BG	V
USA CMDA	COMMANDER	BG	C
USA ISMA	CG/PM, AIS	MG	A
USA MRDC	COMMANDER	MG	A

**Acquisition Position Categories - Functional subsets of acquisition positions. There are a total of fourteen acquisition position categories, including the four categories mentioned in the above chart. These four categories are: Program management (A); Program management oversight (V); Contracting (to include contracting for construction) (C); and Systems planning, research, development and engineering (S).*

FY 93 COL Selectees

Congratulations to the following Army Acquisition Corps (AAC) officers who were recently selected for promotion to colonel.

NAME	FA
ARNOLD, Albert E.	53
ATWOOD, Henry J.	51
BAILER, Richard O.	51
BROWN, Robert P.	97
CATTS, Randall G.	51
COOPER, Winthrop H.	53
DIRIENZO, Anthony C.	51
ERTWINE, Dean R.	51
FALLON, Andrew J.	51
FLOHR, Steven W.	51
FORNECKER, Christopher	51
GARCIA, Albert B.	53
GORRELL, John D.	51
GUTA, Charles J.	97
HAMILTON, Albert J.	51
HAMMOND, Alan R.	51
HANRATTY, Joseph M.	51
HAYES, Sharolyn I.	53
HENDERSON, Jerry M.	53
HOFFMAN, John W.	51
HOLLY, John W.	51
JOHNSON, Noble T.	51
KAFKALAS, Peter N.	97
KORTZ, James S.	97
KUFFNER, Stephen J.	51
LEJA, Stanley C.	51
LUSTIG, Michael L.	51
MAZZUCCHI, Michael	51
NEWLIN, Donald D.	51
NICHOLSON, David N.	51
PADDOCK, Joseph P.	97
PIPLANI, Lalit K.	51
PRICE, Richard P.	97
SCHENK, Donald F.	51
SCHREPPLE, Jeffrey	51
SHAFER, Jack O. Jr.	51
WASHINGTON, James M.	97
WRIGHT, Barry E.	51

Civilian Acquisition Corps Accession Board Results

Congratulations to the individuals listed below who have been accepted into the Army Acquisition Corps.

Abel, Charles	Atkinson, Beverly	Baylor, Dennis
Abeln, Michael	Attilio, Kathleen	Bazzetta, Jerry
Acosta, Jose	Atwood, Thomas	Beach, Jimmy
Adams, Donald	Auger, Richard	Beard, James
Adams, Zeb	Avery, Robert	Beason, Brent
Adams, Curtis	Awad, Magdi	Beauduy, John
Aden, Timmy	Aymett, Lois	Beaufait, Louis
Adlam, Arthur	Baars, Roland	Beavers, Philip
Agee, Forrest	Bachhuber, Stephen	Beck, Daniel
Ahmad, Iqbal	Bae, Sharon	Beck, Scott
Albright, David	Bailey, Escar	Becker, Robert
Alexander, James	Bailey, Charles	Becker, Latika
Aliano, Carmelo Jr.	Baker, William	Beeson, James
Allen, Charles	Baker, James	Beilfuss, John
Allen, Sidney	Baldwin, Johnny	Belfour-Nixon, Belva
Allison, James	Balla, Robert	Bell, Robert
Alloway, Jan	Baran, Anthony	Bell, Lawrence
Altgilbers, Larry	Barger, Jerold	Bell, Robert III
Amos, Richard	Barik, Sadananda	Belrose, Thomas
Amrein, Bruce	Barnaskas, Richard	Bely, Dennis
Andersen, Gerald	Barnhart, David	Bender, Gary
Anderson, Ailene	Barr, Dallas	Bennett, Bruce
Anderson, James	Barrett, Richard	Bennett, John
Anderson, Gary	Barrows, Austin	Bennett, Dixie
Andre, William	Bartosik, Francis	Bennett, Bobby
Andrews, Ronald	Basarab, John Jr.	Bennett, Jefferson
Andrus, Robert	Basler, David	Bensel, Carolyn
Apicella, Frank	Bass, James	Benson, Dallas
Applin, Keith	Bassett, David	Bentley, Linda
Arden, Robert	Bastianelli, Tito	Benton, Alan
Argento, Joseph	Batelka, Frank	Berg, Richard
Armstrong, Richard	Bates, Gary	Berinato, Bruce
Armstrong, Robert	Bauer, Frances	Berkheimer, Lynn
Armstrong, Thomas	Baumgartel, Joseph Sr.	Berson, Jack
Arnold, Charles	Bayer, Anthony Jr.	Bethel, James
Ashley, Chester	Bayliss, Marcus Jr.	Betz, Henry

CAREER DEVELOPMENT UPDATE

Bhansali, Kirit
Biasotti, Albert
Bieri, Michael
Billings, Raymond
Bissell, David
Bissinger, Jackie
Blackmon, Carl
Blackwell, Norman Jr.
Blaine, Jerome Jr.
Blair, William
Blajda, Raymond
Blake, Betty
Blake, Doilus
Blanche, Luis
Blanco, Abel
Blankenbiller, Robert
Blankenship, Kaye
Blaydes, Jerry
Bleier, Steven
Blewett, William
Bloom, Robert
Bock, Thomas
Bock, Harold Jr.
Boedeker, Kathleen
Boenker, Matthew
Boesch, Harold Jr.
Bogdan, Allan
Bolan, Peter
Bolyard, Timothy
Bones, Gary
Bosco, Charles
Boster, Donald
Both, Robert
Boucher, Paul
Bowen, Robert
Bowen, Richard
Bowen, Thomas
Bowles, Franklin
Bowman, Thomas Jr.
Boyd, Gary
Boydstun, Byron
Boylan, Charles
Boynton, Marcia
Bracey, James Jr.
Bracuti, Arthur
Bradley, Daniel
Braerman, William
Braganca, Avertano
Bragg, Thomas
Brain, Gary
Brandler, Philip
Brandon, Freddie
Brandt, Howard
Brasfield, James
Breedlove, Jerry
Breen, Daniel
Breithaupt, Michael
Brennan, John
Brewer, Jesse
Brewer, Harold
Briggs, Beverly
Britton, Harold Jr.
Broach, James
Brock, Robert
Brock, Norma
Brockel, Kenneth
Brodman, Bruce
Broeckelmann, John
Brooks, Jack
Brooks, Wilbert
Brooks, Charles
Brown, Celeste
Brown, Harry
Brown, William
Brown, Richard
Brown, Harold
Brown, Jerry
Brown, Melvin
Bruce, Robert
Bruce, John Jr.
Bruchey, William
Bruder, Bruce
Bryan, O. Ferrell
Bryant, Allan
Bryant, Bobby
Bryant, David
Bucci, Richard
Buck, Kenneth
Buckelew, Richard
Buckner, Josie
Bucy, Charles
Budd, Fredrick
Buettner, David
Bugarin, George
Buhrmann, Gilbert Jr.
Bulova, Richard
Bunting, Wade
Burgess, Robert
Burns, Bruce
Burns, Philip
Burnsteel, Harvey
Burt, James Jr.
Burton, Richard
Buser, Rudolf
Bush, John Jr.
Bushey, Bransby
Butler, William
Butler, Joseph
Butler, James
Butterfield, Joseph
Byars-Smith, Sandra
Byrd, Thomas
Byrnes, Barbara
Caldwell, Larry
Cale, David
Callan, Richard
Cameron, Edward
Campbell, George
Campbell, Gordon
Cannaliato, Vincent
Cantrell, Michael
Capley, William
Capparelli, Alfred Jr.
Cardamone, Alice
Carlen, Frank
Carlon, Hugh
Carlsen, Marlin
Carmack, Philip
Carofano, Garry
Carothers, Michael
Carr, Freddie
Carrano, Stephen
Carroll, Leslie
Carruth, Robert
Carson, Hugh
Carter, John
Carter, James
Caruso, Scott
Caruso, Pamela
Carver, Donald Jr.
Case, Frank
Cash, Robert
Casper, John
Cathcart, Colleen
Caudle, James
Causey, Dan Jr.
Celmins, Aivars
Cerny, Otto
Chambers, Gary
Chan, George
Chance, Vernon
Chandler, Robert
Chang, Albert
Chatterjee, Achala
Chavez, Joe
Cheek, Frances
Chernick, Julian
Chesney, John
Chin, Ken
Chiyyarath, Shanmukhan
Chizmar, Steven
Chleboski, Casper
Choo, Seki
Chow, Sen-te
Christians, John
Christman, Edward
Christophe, Gerald
Christopherson, Robert
Chronister, Ronald
Chu, Cecelia
Chu, Julie
Chu, Shih
Chubb, John
Church, Eugene
Church, Walter
Church, Jack
Ciampini, Joseph
Ciccone, Frank
Ciftan, Mikael
Cirincione, Gregory
Ciummo, David
Clark, Raymond
Clark, Kenneth
Clause, Betty
Clay, William
Clayton, Gary
Cline, Ruth
Clutch, Dan Jr.
Cobb, David
Cobb, Elton
Cobb, Tyrus Jr.
Cody, Vicky
Cohen, Herbert
Cole, James
Cole, John Jr.
Coleman, James
Collins, Dennis
Collins, William
Combs, Craig
Comer, Claud
Comeyne, William
Comito, Anthony
Compton, Julius
Cook, Thomas
Cook, Patricia
Cook, Felicia
Cook, Charles
Cook, Henry
Cooper, Ronald
Copeland, Donald
Corbin, Linda
Cornell, Susan
Corona, Bernard
Correa, Mario
Corrigan, John
Corrigan, Robert
Corriveau, John
Coryell, Louis
Costabile, Raymond
Costanza, Frederick
Cotton, Simon X.L.
Coulston, Ronald
Coulter, Charles
Covington, George
Covington, Freddie
Cox, John
Cox, Jerel
Cozby, Richard
Cralle, Maury Jr.
Crane, J. Wellington
Crawford, John
Crawford, Robert
Crews, Samuel
Crittenden, Roger
Crocker, Charles Jr.
Crowson, Roger
Culling, Robert
Cummings, Benjamin
Cummings, Henry Jr.
Cunningham, Harry
Currie, Richard
Currier, Theodore
Curtis, Steven
Curtis, Richard
Cytron, Sheldon
D'Agostino, John
Dacus, David
Dada, Cenap
Dalton, Robert
Daly, John
Damico, Joseph
Daniel, Calvin
Daniels, Leonard Jr.
Darsch, Gerald
Dasaro, Joseph
Davis, Bruce
Davis, Jenny
Davis, Gary
Davis, James
Davis, Carolyn
Davis, John
Davis, Michael
Davis, Wayne
Dawson, Jerry
Day, Dennis
De Cosimo, Lawrence
De Marco, Benedict
DeNesia, Kenneth
DePol, Howard
DeRosset, William
Decker, Jay
Decker, Dirk
Deewall, John
Dehn, James
Del Coco, Eugene
Dement, William
Denicola, Faust Jr.
Depontbriand, Rene
Dery, Susan
Desai, Ramchandra
Desmond, Jon
Deutsch, Michael
Devaughn, Louis
Devereux, Thomas
Dewey, Richard
Di Pietro, Frank Jr.
DiGuglielmo, Tina
DiNicola, Vincent
DiNicolantonio, Louis
Dickerson-Kindred, Janice
Dietrich, Marvin
Dietz, Walter
Dillon, James
Dimmick, Richard Jr.
Dinan, John
Dinges, James
Dinsmore, Alan
Dixon, Walter Jr.
Dizer, John III
Dobras, Allan
Dobson, Charles
Doligalski, Thomas
Donnelly, James
Donnelly, William
Dopp, David
Doran, William
Dorney, Lester
Dorrall, James III
Dorsett, Michael
Doty, John
Doucette, Edward
Douglas, Howard
Douglas, Alfred
Douglas, Robert Jr.
Dousa, William
Douthit, Floyd
Downs, Gresham
Downs, Alan
Doyle, Gregory
Doyle, Loren
Drabo, Michael
Drake, Gary
Drake, George
Drake, Helen
Drew, Craig
Drinkwater, Thomas
Drucker, Melvyn
Dubreuil, Denis
Dubusky, Charles
Ducker, Rodney
Dudney, Richard
Duft, Buddy
Dulaney, Kenneth
Dumbacher, John
Dunham, Curtis
Dunne, Charles
Durough, Robert
Dykstra, Alan
Dymecki, Kathy
Dzik, Theodore
Eagerton, Larry
Earley, Dennis
Early, Michael
Easterling, Grady
Easterling, James
Easterwood, Larry Jr.
Eaton, Frank
Ebihara, William
Eddleman, Roderick
Edwards, Antha
Edwards, Ronald
Edwards, Vernon
Egghart, Heinrich
Egli, David
Eicke, John
Eickmeyer, Otto
Eig, Merrill
Elder, Charles
Eldridge, Ingrid
Elgart, Edward
Ellis, Aaron
Ellis, Carlton Jr.
Elmore, Paul
Embry, Susan
Embury, Janon
Emmons, George
Enders, Dennis
Engle, Douglas
Ennis, Douglas
Eppes, Richard Jr.
Erickson, Linda
Erickson, Thomas
Erickson, Marcia
Ernstrom, Edward
Essary, Wilburn
Estrada, Oscar
Evans, James
Everswick, David
Eyestone, Ronald
Fahl, John
Falcone, Philip
Famolari, Eugene Jr.
Farenwald, Drew
Farkas, Alexander
Farnsworth, James
Farrow, Janet
Fasig, James
Fastenrath, Karl
Faulstich, Raymond
Fawcett, Jeffery
Feeney, Joseph
Ferguson, Joanne
Fersch, Mary
Fertman, Norman
Feury, Russell
Ficklin, Thomas IV
Field, Robert
Fifer, Robert
Filbey, Gordon Jr.
Fillian, Larry
Finfera, James
Finley, Michael
Fiscella, Russell
Fisher, John
Fitch, Alan
Fitzgerald, Carol
Fitzpatrick, Willie Jr.
Fledderman, David
Fleming, Burl Jr.
Fleshman, William Jr.
Fletcher, James

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Flowers, Gloria
Foley, Eileen
Forgey, Robert
Forte, Reynaldo Jr.
Fortune, James
Foslien, Keith
Foster, Jerry
Foster, Leslie
Foster, Lyle Jr.
Fowler, Bruce
Fox, Jay
Fradley, Dale
Francis, Charles Jr.
Franklin, Robert
Franks, Harry
Frantz, Robert
Franz, John
Frazier, Timothy
Freeman, Marilyn
Freeman, Russell
Fresquez, Vicente
Friedman, Melvin
Frounfelker, Kim
Fruchtnicht, Ocke
Fukuda, Osamu
Fullerton, Donald
Fulton, Bruce
Gaggin, David
Gainor, Charles
Gale, James
Gallagher, Edward Jr.
Gallien, Dennis
Galloway, Charles
Gamache, David
Gamble, Allan
Ganz, James
Garay, Andrus
Garcia, David
Garcia, William
Garcia, Sigberto
Garcia-Baco, Luis
Gardella, Joseph
Garfinkel, Gerald
Garg, Paras
Garlan, Jerome
Garn, Lynn
Garvey, Dennis
Gasiorowski, Frank
Gately, Michael
Gates, Stephen
Gattis, Paul
Gavlinski, Robert
Geddie, James
Gehres, Steven
Gende, Ronald
Gentry, Joseph
George, Chalmer
Gerace, Barbara
Gerber, Jerome
Gerst, Gary
Gervasoni, Thomas
Geuss, Adam
Gibbs, Robert
Gibson, Jon
Gibson, James
Gilbert, Raine
Gilbert, Phillip
Gillespie, Allan
Gillich, William

Gilvydis, Jaunutis
Gionfriddo, Maurice
Giroux, Joseph
Gladd, David
Gleason, James
Glover, Billy
Godbey, Monica
Goebel, David
Goehner, Richard
Goldberg, Robert
Goldberg, Allan
Goldsmith, Leonard
Goldstein, Steven
Goldy, Charles Jr.
Good, Danny
Goodaker, Arnold
Goodall, Don
Goodman, Robert
Goodman, Douglas
Gooley, Walter Jr.
Gordon, Claire
Gore, Jerome
Goshen, James
Gothamy, Osman
Goyal, Des
Graff, Charles
Graft, Ronald
Granger, Bernard
Grannan, Michael
Grant, Wayne
Grasso, Marie
Gratz, Dawn
Graves, Howard
Green, Clifford
Greene, Elton
Greene, Morton
Greene, Hugh
Greene, Anthony
Greenfield, James
Gregory, Francis
Griffin, William
Gripton, Charles
Groener, Herbert
Grubb, Russell
Grubenmann, Robert
Grynovicki, Jock
Grzenda, Charles
Guler, George
Gunol, Eldar
Gupta, Aaron
Gurgew, Susan
Gutierrez, William
Gutleber, Marc
Gutmann, James
Gutmann, Goldie
Hackamack, Larry
Hagewood, William
Hagood, Jerry
Hahn, Robert
Haines, H. Richard
Haire, Richard
Haley, Susan
Haley, William
Hall, Janet
Hamilton, Mark
Hamilton, Sharon
Hammond, James
Hampshire, James
Handley, George

Hannum, Walter
Hanson, Dale
Hanusek, John
Hardin, Clyde
Harkins, Randall
Harless, Jackie
Harley, Kathryn
Harrington, Ralph
Harris, Donna
Harris, William
Harrison, Richard
Harrison, Wayne Jr.
Hart, William Jr.
Haselbauer, Philip
Haskell, Donald
Havard, Larry Jr.
Havel, Thomas
Hawie, Claudetta
Hawk, John
Hawkins, Edwin
Hawley, Byron
Hayes, Thomas
Hayes, Richard
Hayes, David
Hays, Richard
Hayslett, Charles
Haywood, John
Head, Donald
Heaps, Wilson
Heberley, Jeffrey
Heimerl, Joseph
Helm, David
Hemingway, Donald
Hendricksen, Ronald
Herald, Gordon
Herman, Glenn
Herz, Matthew
Heutel, Gregory
Heyman, Charles
Hicks, Perry
Hiebert, Robert
Hilbert, Meryl
Hiley, James
Hill, Joseph
Hill, Patrick
Hilton, Kenneth
Hinojosa, Jose
Hinrichs, Holm
Hires, Joyce
Hirsch, Edward
Hirschberg, Morton
Hnatczuk, Wsewolod
Ho, John
Hodgens, Tony
Hodges, Phillip
Hoey, Christopher
Hoffman, Roger
Hoffman, Michael
Hofmann, Robert
Holinko, Myron
Hollman, Henry
Holloman, Miles
Hollowell, Monte
Holmes, John
Holmes, Harold
Holt, Steven
Holtcamp, Michael
Hombs, Peggy
Hooker, William

Hooper, Andrew
Hoover, Carl Jr.
Hopkins, Clinton
Hopkins, George
Hoque, Abul
Horley, Gary
Horn, Stuart
Horn, Howard
Horn, Stewart
Horn, Clifford
Horton, Cynthia
Horvath, Patricia
Houchin, James
Houston, Mollie
Hoverter, Robert
Howard, Donald
Howard, Lawrence
Howe, James
Howe, Gary
Howe, Mary
Howell, Ronald
Howell, Stan
Hoxha, Sami
Hoyt, Sidney
Hudgens, Gerald
Hudson, Wayne
Huff, Howard
Hughes, William
Hughes, Francis
Hughes, Charles
Huizinga, Marvin
Hulsey, Ronald
Huntowski, Francis
Hurley, Francis
Hutcheson, Guilford
Iler, Carey
Ingersoll, Philip
Ingram, John
Irwin, Raymond
Isom, Marvin
Iyer, Sury
Iyer, Kailasam
Jackson, Larry
Jacobs, Pamela
Jacobs, Steven
Jacques, Leonard
Jakub, Louis
Japzon, Eduardo
Jarboe, Jerry
Jaroszewski, Edward
Jaskowiak, David
Jastrab, Gary
Jeanblanc, Donald
Jenkins, Robert
Jenkins, Donald
Jennings, Michael
Jennings, Carmen
Jervis, Robert Jr.
Jerzak, Charles
Jiovenale, James
John, Floyd
John, Jordan
Johnson, Ronald
Johnson, Wesley
Johnson, Craig
Johnson, Hoyte
Johnson, Martin
Johnson, Philip
Johnson, Jerry

Johnson, John
Johnson, Larry
Johnson, Leonard
Johnson, James
Joiner, Robert
Jones, Coritha
Jones, David
Jones, Ronald
Jones, Charles
Jones, James
Jones, Max
Jones, Patricia
Jones, Billy
Jones, Terry
Jones, Kersey Jr.
Jordan, Kenneth
Joyce, James
Judkins, Richard
Julius, William
Jupinka, Richard
Jurado, Guadalupe
Kalmanir, John Jr.
Kalomiris, Vasilios
Kane, John
Kapinos, Alan
Kaprelian, Gregory
Karalekas, Nicholas
Karg, Ronald
Karsh, Robert
Karwowski, Chester
Kasian, Walter
Kassos, Anthony
Kastanakis, John Jr.
Kaste, Richard
Katz, Myron
Keady, Robert
Kearns, Vincent
Keaton, Mary
Kee, Gregory
Keefer, Robert
Keeney, Thomas
Kehn, John
Kehs, Richard
Keisling, Harold
Keith, James
Kelemen, Michael
Keller, George
Kelso, David
Kennedy, Andrew
Kerekes, Charles
Kerris, Klaus
Kershaw, Fred
Kesselman, Robert
Kessler, Howard
Kevorkian, Jack
Khatiwala, Kanchanlal
Kiebler, Rene
Kilby, Ronald
Killen, Jimmie
Kimbrough, Robert
Kineke, John Jr.
King, Benjamin
Kinney, Robert
Kinzie, Elbert
Kirk, Daniel
Kiwan, Abdul
Klein, William
Klem, George
Klimek, Walter

Kloc, Walter
Knaur, James
Knight, Pamela
Knight, Wayne
Knoch, James
Knopp, Violet
Knowles, James
Knox, Joseph
Knutelsky, Bruce
Knutsen, Clarence
Kobezak, Thomas
Kobler, Virginia
Kocher, Theresa
Kohut, A. Francis
Kolarsick, Frederick
Kollman, Mark
Koltura, George
Konick, William
Konwinski, Leonard
Kooker, Douglas
Kopinski, Marion
Kopp, Jeri
Koppenaal, Richard
Kornfeld, Gertrude
Korpi, John
Kostka, John
Kostka, Frank Jr.
Kovacs, Stephen
Kovanda, James
Kowachek, Victor
Kragh, Alvin
Kraskiewicz, Thomas
Kravec, Dennis
Kuderna, Daniel
Kuehl, Alfred
Lacey, Donald
Lacher, Edward
Ladd, Dennis
Laforme, Karen
Lamb, Jean
Lambert, David
Lambert, James
Landis, Jeffrey
Lane, Frank
Lane, Gerald
Lang, William
Langan, Laurence
Langan, Clifford
Lannon, Joseph
Lash, Michael
Latham, Joseph
Lather, Louise
Lawler, James
Lawler, Patrick Jr.
Lawson, John
Lawther, Barbara
Lazaruk, John
Lazich, Daniel
Leach, Catherine
Lebo, Craig
Leccacorvi, John
Lederman, Robert
Lee, Min
Lee, Kenneth
Lee, Robert
Lee, William
Lee, Michael
Lee, Calvin
Lee, Joseph

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Lee, Gifford Jr.
Leggio, Luciano
Leiby, Larry
Leitch, Paul
Leketa, Anthony
Lemon, Shirley
Lenning, Gene
Lenning, Richard
Leonard, William
Leonard, Anne
Letherwood, Michael
Leung, Tao
Levengood, Lawrence Jr.
Levin, Donald
Levy, Steven
Lianos, Dimitrios
Libelo, Louis
Light, Harry
Light, Larry
Liles, William
Lill, Gordon Jr.
Lilly, Julius
Lins, Christina
Lins, William
Lipari, Louis
Liptak, Gilbert
Liston, John
Lisuzzo, Anthony
Little, Gordon
Llabres, Roman
LoPresti, Joan
Loder, Rurik
Lomax, Gary
Long, Lynda
Long, Patricia
Long, John
Lopez, Luis
Lopez-Merced, Jose
Loundermon, Charles
Lovelace, Donald
Low, Steven
Lowe, William
Lucas, Walter
Lucchese, Mario
Luft, Emil
Lui, Peter
Lukins, David
Lumer, Mark
Lutz, George
Luzzi, Francis
Lynch, Thomas
Lyon, Jerry
Lyon, John
Mabanta, Frederick
Machovec, John
Mack, Dennis
Madro, William
Magathan, Emmett
Magee, William Jr.
Mai, Robert
Major, Paul
Makrinos, Stephen
Malabarba, Dale
Malakoff, Gerald
Malamas, John
Malkin, Frank
Malone, Mark
Mangum, Charles
Manlove, Edward

Mann, David
Maples, Donald
Marchand, Thomas
Markey, William
Marrero, Pedro
Martin, John
Martin, Patricia
Martin, William
Martin, Cecil Jr.
Marucci, Horace
Massey, Stoney
Massey, Ruth
Matheny, Linda
Mathes, Thomas
Mathison, James
Matsuura, Stephen
Mattila, John
Matts, Donald Jr.
Mauritzson, Bruce
Maxey, George
May, Cecil
Mayes, Gary
Mazurczak, Joseph
McCauley, Daniel
McAdams, Thomas
McClellan, Timothy
McClellan, Mark
McClelland, Richard
McClung, Sue
McCollam, William
McCommons, R. Bruce
McCorkle, John
McCormick, William
McCray, John
McDaniels, Jerry
McDonald, William
McDonald, Arthur
McGauley, Richard
McGee, Richard
McGee, Gloria
McGehee, Charles
McGlone, Stephen
McGowan, Maureen
McGrath, Daniel
McGregor, Phillip
McInnish, Hughie
McKeon, Sharron
McLean, Flynn
McLean, James
McNairy, Marianna
Mcvey, Thomas
Meadows, Eddie
Meadows, John
Meadows, James Jr.
Meese, Clarence
Meier, Cheryl
Meincke, Charles
Melendez, Gerardo
Mellis, Nicholas
Melvin, Byron Jr.
Meng, Daniel
Mercer, Robert
Meredith, John
Merendini, Enrico
Merrill, William
Meseke, Edward
Messenger, Emery
Meyer, Wilfred

Mick, Wallace Jr.
Migliorini, Robert
Mikula, James
Mikula, Mark
Miletti, Jose
Miller, Robert
Miller, Michael
Miller, James
Miller, John
Mills, Thomas
Mills, Hilton Jr.
Milton, Osborne Jr.
Minken, John
Mirabelle, Rosemary
Mitchell, James
Mitsock, Thomas Jr.
Mobley, William III
Modjeski, Richard
Moeller, William
Mohler, Lynn
Montgomery, David
Montgomery, Larry
Moody, Arthur
Moore, Ronald
Moore, John
Moore, Robert
Moore, Larry
Moore, Dale
Moore, L. Noel
Moore, Suzanne
Moran, Michael
Morgan, John
Morgan, Donald
Morgan, Boyce Jr.
Morig, Robert
Morris, Joel
Morris, Robert
Morris, Scott
Morrison, Helen
Morrissey, John
Morrow, Walter
Moser, Karen
Mullins, James
Mullins, Thomas
Mullis, Dean
Mund, Lee
Mundell, Frances
Munt, Richard
Murdock, Larry
Murphree, Larry
Murray, Leslie
Mushenski, Christopher
Muuss, Michael
Myers, Bruce
Myers, Margaret
Mymit, Harvey
Nabors, Jerry
Nader, Edward
Nagaj, Robert
Nall, Buphus
Narayan, K. Ananth
Neades, David
Neal, Mary
Neal, Charles
Neighbors, Robert
Nelson, Olie
Nelson, Neil
Nenninger, Gary

Neubert, Christopher
Newlon, Roger
Newsome, Thomas Jr.
Newton, Henry
Ney, Gordon
Nichol, Robert
Nichols, Matthew
Nichols, Beverly
Nicholson, William
Niemeyer, William
Nietubicz, Charles
Niiler, Andrus
Niles, John
Nissen, Frank
Nolan, Edward
Nolan, Thomas
Nook, Jerold
Nuzman, Dwayne
Nycz, Thomas
O'Connor, Michael
O'Donnell, Richard
O'Malley III, James
O'Neill, Patrick
Oatman, Lynn
Obermyer, James
Obert, Luanne
Oehling, Richard
Offerdahl, Thomas
Oliver, Raymond
Olsen, James
Orosz, Joseph
Orr, Gary
Orsinger, Regis
Oscar, Kenneth
Oskay, Vural
Ostuni, Lawrence
Oswalt, Richard
Oswell, David
Oswell, James
Otey, Bertha
Overbay, Larry
Owen, James
Owens, Frank
Owens, Billy
Paduano, Michael
Pagan, Tomas
Paley, Alfred
Palmer, Daniel
Palomo, Jose
Panayotoff, Theodore
Papia, Thomas
Pardue, Albert Jr.
Parekh, Dhirajlal
Paris, Wyoming Jr.
Parker, Stephen
Parker, Edgar
Parks, Winston
Parobek, David
Parsons III, George
Paschal, Charles
Pasini, Harold Jr.
Patel, Jagdish
Pathak, Kacheshwar
Patrick, Eugene
Paules, Palmer
Paur, Richard
Pawlish, Michael
Pearson, Kin
Peat, M. Katherine

Pedoto, Eugene
Peer, John
Pei, Richard
Pellien, James
Penski, Elwin
Pepper, John
Perchik, Ben
Perkins, Toney
Perkins, Edward
Perrett, Audrey
Perri, Ettore
Perricelli, Robert
Perry, Oscar
Peskar, Robert
Peterson, Larry
Peterson, Donald
Petrie, Ronald
Petty, Bruce
Phelps, Russell
Phelps, Kirkman
Phillips, Frank
Phillips, Lee
Phillips, John Jr.
Pibil, William
Pickard, Donald
Pickens, Mark
Pickens, Joe
Pickering, Lloyd
Pieloch, Mark
Pieratt, Ronald
Piesczak, Gilbert
Piirainen, Robert
Pike, Barry
Pinto, Albert
Pirowski, William
Pitko, Kenneth
Pittard, Melissa
Pittman, William
Pitts, Julia
Plant, Jack
Player, Freddie
Plostins, Peter
Plumeri, Charles
Poer, Floyd
Polimadei, Roland
Polivka, Peter
Pollard, Daniel
Pollehn, Herbert
Pool, Michael
Pope, James
Porter, Wade
Pospichel, Robert
Poston, Alan
Poteet, Thomas
Potthoff, Thomas
Powell, John
Powelson, Dennis
Powers, Richard
Prater, Johnny
Pratte, Allen
Pressley, Anthony
Preston, Wanda
Prestwood, William
Price, Renata
Price, George
Price, Bernard
Price, William
Prichard, David
Prorok, John

Provence, Carlton
Pucilowski, Joseph Jr.
Purdy, James
Quigley, John
Quinn, John
Quinn, John Jr.
Radoski, Elizabeth
Raffa, Carmen
Raffa, Charles
Ragan, Tara
Ragland, Deloise
Ralston, Mark
Ramer, Daniel
Randers-Pehrson, Glenn
Randles, Howard
Randles, Carolyn
Rapp, James
Rausa, Michael
Ravert, Harry
Raymond, George Jr.
Rayner, Charles Jr.
Reago, Donald Jr.
Reap, David
Reckart, Darwin Jr.
Redden, Elizabeth
Redfield, Robert
Redington, Lynn
Redmon, James
Redmond, Ralph
Redwinski, Robert
Reeber, Robert
Reed, Arthur Jr.
Reese, William
Reesman, Donald
Rehak, Dale
Rehberg, Clark F. II
Reichenbach, Roy
Reid, Arend
Resch, John
Revelle, Betty
Reyle, Bruce
Reynolds, James
Rhoads, Harold
Riccelli, Richard
Ricciardi, Bernard
Richter, Thomas
Rickmeyer, Jaros
Riddle, Ruble
Riedl, Robert
Rifkin, Jerome
Rigler, Leslie Jr.
Riley, Leon
Risner, Steven
Ritondo, Michael
Ritondo, Mary
Rivard, Ann
Rizk, Nabih
Roberson, Ernest
Roberson, Donald
Roberson, Bryan
Roberson, William Jr.
Roberson, Herman Jr.
Roberts, Roberta
Roberts, Vernon
Roberts, Carl
Roberts, Marion
Roberts, William
Robertson, Michael

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Robertson, Lawrence
Robertson, Rodney
Robinson, Harvey
Robinson, Lloyd
Rocchio, Joseph
Rodgers, Sterling
Roffman, Gary
Rogers, Thomas
Rogers, Harry
Rogers, Benny
Roll, Robert
Roller, Thomas
Romando, John
Romanko, Thomas
Romberg, Henry Jr.
Root, Claire
Rose, Arthur
Rossi, Alfred
Rosso, John Jr.
Roush, Donald
Rowe, Robert
Roy, Eddie
Rubert, Gene
Rubin, Donald
Rubin, Jerome
Rubin, Jeffrey
Rubio, Roberto
Rucker, Ingo
Ruhl, John
Rushing, Johnny
Russell, Terrie
Russell, Carl
Russell, John Jr.
Russo, David
Ruth, Donald
Ryder, Timothy
Ryland, Robert
Ryskamp, Jacob
Sabo, Daniel
Saboe, Michael
Sacco, James
Salie, Stephen
Salton, James
Sander, William III
Sanders, Dennis
Sandidge, Donald
Sandmeyer, Richard
Satterfield, Doyce
Saunders, Rosalie
Sauvageau, Mark
Savage, William
Schaefer, Frederick
Scheiman, Gerald
Scheiner, Barry
Schenk, Kenneth
Schertz, Charles
Scheuble, Larry
Schexnayder, Michael
Schick, Willard
Schlickau, Donald
Schmidt, Edward
Schmidt, Roy
Schmidt, Harry
Schneider, John
School, Paul
Schueler, Gerald
Schuldiner, Bernard
Schulz, Gerald
Sconiers, Elizabeth
Scott, Shelley
Scott, Robert
Scott, Jack
Scott, Lex
Scungio, Richard
Seagraves, Mary Ann
Seagren, Lillian
Sebol, Edward
Sedenquist, Frederic
Seegar, Janis
Segui, Everett Jr.
Sehgal, Robert
Seibert, John
Seiders, Reginald
Seigh, John
Seitz, David
Seltzer, Mark
Seltzer, David
Selzer, Joel
Sevigny, Richard
Seymore, Gary
Shaffer, David
Shaffer, James
Shandle, Donna
Shankle, Wyatt
Sharp, Edward
Shaw, Anthony
Shaw, Audrey
Shearer, Robert
Shelton, William
Shepherd, Robert
Sheppard, Peter
Sherman, Alan
Sheth, Chandrakant
Shively, Paul
Shiver, Scott
Shoemaker, Charles
Shovestul, Kurt
Shropshire, Marion
Shuey, Ralph
Shuler, Frank
Shults, Gary
Sianipar, Humisar
Siegel, Jack
Siegel, Barry
Sikes, Henry
Siliato, John
Simmons, Brian
Simmons, Wilbur
Simmons, Reginald
Simonis, George
Simpson, Karen
Singh, Dalip
Siorek, Richard
Sisson, Diane
Sisson, James
Skalny, Paul
Skatrud, David
Slagg, Norman
Slater, Griffith P.E.
Slaughter, Richard
Slife, Richard
Sloan, George
Sloop, Dale
Slotnick, Robert
Smart, William
Smith, William
Smith, Ronald
Smith, Jeffrey
Smith, Ann
Smith, Jerome
Smith, Brimage
Smith, Roy
Smith, Stanley
Smith, Thomas
Smith, Yolonda
Smith, Robert
Smith, George
Smyth, Robert
Snapp, John
Sneeringer, Paul
Snodgrass, Edward Jr.
Snyder, George
Snyder, John
Sobczyk, John
Sommers, William
Sontag, Irving
Sova, Bruno Jr.
Spande, Robert
Spears, Milton
Stafford, Michael
Stahl, Jerry
Stanton, Laird
Starkenberg, John
Steadman, John
Steedley, Emory
Steele, Jacqueline
Steeves, Earl
Stefanik, Raymond
Stenberg, Robert
Stephens, John
Stephens, James
Stephens, Sara
Stern, Henry
Stevens, Alfred
Stevenson, Todd
Steyaert, Joseph
Stokes, Teddie
Stokes, James
Stone, Rex
Story, Carl
Stott, Duane
Strange, John
Strecker, Richard
Street, Troy
Strimpler, Charles
Stroscio, Michael
Struck, Jacob
Stuebing, Edward
Stullenbarger, Linden
Stuppi, Charles Jr.
Sul, H. Patrick
Sullivan, William
Summers, William Jr.
Supko, Charles
Swanson, Robert
Sweet, Andrew
Swenson, Carl
Swenson, Robert
Switzer, John
Symington, Lawrence
Talley, Rex
Tarnow, Herman
Tassinari, Thomas
Tatum, George
Tawil, Edward
Taylor, John
Taylor, Tommy
Taylor, Brenda
Taylor, Dana
Telschow, George
Temperley, Judith
Tepper, Frederick
Terrell, George
Theis, Warren
Thibault, Gary
Thomas, Edward
Thomas, John
Thomas, Jerry
Thomas, Doyle
Thompson, Michael
Thompson, James
Thompson, Andrea
Thrasher, Dennis Jr.
Thurman, Dallas
Tidwell, Mitchell
Tilley, Patrick
Timchak, Stephen
Timochko, Michael
Tiwari, Subhash
Tokarcik, Larry
Townsend, Houston
Traveller, Kenneth
Travis, Larry
Tremain, Frank
Trenkle, David
Trimbur, Robert
Trolinger, Winston
Trussell, Charlie
Tull, Jana
Tumeinski, Ronald
Turner, George III
Tylecki, Stanley
Tyrol, Douglas
Uldrich, Richard
Umbriac, Joseph
Upshaw, Charles
Uptain, Samuel
Urban, Dennis
Vail, Howard III
Valcheff, Donald
Valek, Jerome
Valenti, Michael
Valeri, Henry Jr.
Van Derlaske, Dennis
Van Holt, R. E.
Van Landuyt, Albert
Van Rijn, Tom
Van Voorhees, Steven
Van de Wal, Anthony
VanNice, Nancy
Vandiver, Terry
Vann, James
Vega, Jaime
Velez, Eduardo
Venezia, Regina
Verdonik, Daniel
Vervier, Joseph
Verville, Michael
Vessels, Sara
Viechnicki, Dennis
Vigus, Richard
Vogel, Edwin
Volz, Robert
Waddick, John II
Wagler, Gary
Wagner, Dean
Wagner, Joseph
Wahlheim, William
Waibel, Richard
Waite, George
Wajda, Donald
Walbert, James
Wallace, Patricia
Wallis, Roger
Wallner, Steven
Walrath, James
Walter, Robert
Walter, John
Walters, Clarence
Ward, Robert
Ward, Ross Jr.
Warden, John
Warfel, Walter
Warren, John
Warren, Carl
Warrington, Douglas
Wasdi, John
Washington, Trevor
Watchko, Thomas
Watson, Marvin Jr.
Watt, Joan
Watts, George
Watts, Robert
Weaver, Paul
Webb, Joseph
Webster, Robert
Wedemeyer, Albert
Weedon, Barbara
Weinacht, Paul
Welker, Kenneth
Wells, Rita
Weltz, Allen
Wengler, Donald
Wenk, Christian
West, Larry
West, James III
Westerdahl, Carolyn
Weywadt, Catherine
Whitaker, John
White, Kevin
White, Vick
White, Daryl
White, Rodney
White, Darrell
Whiteley, Bobby
Whiteside, Kenneth
Whiting III, Lawrence
Whitt, Ellis
Whitt, Michael
Wicks, Ronald
Wiebach, Wolfgang
Wilbanks, Dana
Wilkerson, Dennis
Willey, Harmon
Williams, Mary
Williams, Janet
Williams, James
Williams, Roger
Williams, Jeannine
Williams, Richard
Williams, James Jr.
Williamson, Roger
Williamson, Phebus
Willison, Kenneth
Wilson, William
Wilson, Sarah
Wilson, Gisele
Wilson, James
Wilusz, Eugene
Wilwerding, G. Joseph
Winegar, Dennis
Winkler, Gary
Winner, Clark
Winslow, Michael
Winslow, Christopher
Wise, Joel
Wissel, Edward
Witt, Joseph
Wolfe, Audrey
Wolfe, Hugh Jr.
Wong, Alexander
Wood, Nancy
Woodbury, Donald
Woodruff, Harold
Woodsinger, Maud
Wreden, Herbert
Wright, Susan
Wu, Joseph
Wu, Julian
Wu, Thomas
Wyant, Kerry
Wyatt, Mack
Wygant, Marthe
Wykes, Dale
Wymer, Debra
Wymer, John
Wynne, Ronald
Wysong, Richard
Yalamanchili, Rao
Yankolonis, Alan
Yarbrough, Frankie
Yasi, Charles
Yearwood, Charles
Yedinak, Andrew
Yeoman, Walter
York, Robin
York, William
Young, Annie
Young, Calvin
Young, Archie
Young, Prince Jr.
Youngblood, James
Yuhas, Stephen
Yuhas, John
Yung, Lock (Larry)
Zagorski, Donald
Zakhem, George
Zakrocki, Daniel
Zaner, William
Zapf, Michael
Zayas, Nicanor
Zegel, Ferdinand
Zimmerman, Ted
Zundel, Ivan
Zweig, Susan

FY 95 Military Acquisition Position List (MAPL)

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
AS00001	W001AA	INSCOM C, GRND DIVISION	LTC	51A35	FT MEADE MD	A
AS00002	W001AA	INSCOM COMPUTER ANALYST	MAJ	53B35	FT MEADE MD	R
AS00017	W001AA	INSCOM ASST SYS ACQ MGR	MAJ	51A35	FT MEADE MD	A
AS00003	W001AA	INSCOMCOMP SCI/PROJ OFF	MAJ	53B35	FT MEADE MD	R
AS00004	W001AA	INSCOM COMP SCI/PROJ OFF	MAJ	53B35	FT MEADE MD	R
AS00005	W001AA	INSCOM COMP SCI/PM	CPT	53B35	FT MEADE MD	R
AS00010	W001AA	INSCOM REQM/IMPL OFF	CPT	53B35	FT MEADE MD	R
AS00016	W001AA	INSCOM C, NNCNVNTNAL PGMS	MAJ	51A35	FT BELVOIR VA	A
SA00001	W00EAA	SEC ARMY MIL ASST	LTC	51A00	PENTAGON	Z
SA00100	W00FAA	UNDER SEC ARMY MIL ASST	LTC	51A00	PENTAGON	Z
CS00001	W00QAA	NGB PARC, NGB	LTC	97A00	NORTHERN VA	C
DF00002	W00TAA	DIA INTEL OFFICER SYS	MAJ	53B00	WASHINGTON DC	R
DF00003	W00TAA	DIA C, TECH DEV OFC	LTC	53C00	WASHINGTON DC	R
DF00004	W00TAA	DIA DEP JWICS PRG OFC	LTC	53C00	WASHINGTON DC	R
DF00005	W00TAA	DIA COMPUTER SYS ANA	MAJ	53B00	WASHINGTON DC	R
DF00006	W00TAA	DIA ADP PLANS OFFICER	MAJ	53B35	WASHINGTON DC	R
DF00007	W00TAA	DIA COMPUTER SYS OFCR	CPT	53B35	WASHINGTON DC	S
DF00008	W00TAA	DIA SUPERVIS COMP SYS	MAJ	53B35	WASHINGTON DC	S
DF00009	W00TAA	DIA COMPUTER SYS OFCR	CPT	53B35	WASHINGTON DC	S
DF00010	W00TAA	DIA TECH RQMNTS MGR	LTC	53C00	WASHINGTON DC	R
X100709	W01HAA	USAG-VHFS CONT MGMNT OFF	MAJ	97A00	WARRENTON VA	C
X100006	W038AA	NATICK RDEC COMMANDER	COL	51A92	NATICK MA	A
X100007	W038AA	NATICK RDEC DEPUTY CDR	LTC	51A92	NATICK MA	S
X100008	W038AA	NATICK RDEC PROCUREMENT OFCR	MAJ	97A00	NATICK MA	C
X100009	W038AA	NATICK RDEC CBT ARMS PROJ OFF	MAJ	51A02	NATICK MA	A
X100010	W038AA	NATICK RDEC SOF COORD	CPT	51A18	NATICK MA	S
X100011	W038AA	NATICK RDEC CBT ARMS PROJ OFF	CPT	51A12	NATICK MA	S
X100012	W038AA	NATICK RDEC R&D COORDINATOR	CPT	51A92	NATICK MA	S
X100013	W038AA	NATICK RDEC R&D COORDINATOR	CPT	51A92	NATICK MA	S
X100015	W041AA	COLD RGN TST COMMANDER	LTC	51A00	FT GREELY AK	T
X100016	W041AA	COLD RGN TST C, TECH SPT	MAJ	51A25	FT GREELY AK	T
X100017	W041AA	COLD RGN TST PLNS/OPS OFCR	MAJ	51A00	FT GREELY AK	T
X100018	W041AA	COLD RGN TST C, TST OPNS DIV	MAJ	51A02	FT GREELY AK	T
X100019	W041AA	COLD RGN TST INF TEST OFF	CPT	51A11	FT GREELY AK	T
X100021	W041AA	COLD RGN TST COM/ELEC TEST OFF	CPT	51A25	FT GREELY AK	T
X100020	W041AA	COLD RGN TST ARMOR TEST OFF	CPT	51A12	FT GREELY AK	T
X100022	W041AA	COLD RGN TST OD TEST OFCR	CPT	51B91	FT GREELY AK	T
X100023	W041AA	COLD RGN TST AV TEST OFCR	CPT	51B15	FT GREELY AK	T
X100024	W041AA	USA BRDEC COMMANDER	COL	51A21	FT BELVOIR VA	A
X100025	W041AA	USA BRDEC R&D COORDINATOR	MAJ	51A21	FT BELVOIR VA	S
X100026	W041AA	USA BRDEC R&D COORDINATOR	MAJ	51A92	FT BELVOIR VA	S
X100027	W041AA	USA BRDEC R&D COORDINATOR	CPT	51A91	FT BELVOIR VA	S
X100028	W041AA	USA BRDEC R&D COORDINATOR	CPT	51A21	FT BELVOIR VA	S
X100029	W041AA	USA BRDEC R&D COORDINATOR	CPT	51A21	FT BELVOIR VA	S
X100032	W04WAA	USA WSMR T&E OFFICER	CPT	51A13	WSMR NM	T
X100033	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100034	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100036	W04WAA	USA WSMR T&E OFFICER	MAJ	51A14	WSMR NM	T
X100030	W04WAA	USA WSMR DIR MAT TEST	COL	51A00	WSMR NM	T
X100037	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100041	W04WAA	USA WSMR T&E OFFICER	CPT	51A13	WSMR NM	T
X100038	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100045	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100044	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100047	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100046	W04WAA	USA WSMR T&E OFFICER	CPT	51A14	WSMR NM	T
X100043	W04WAA	USA WSMR T&E OFFICER	CPT	51A13	WSMR NM	T
X100042	W04WAA	USA WSMR T&E OFFICER	CPT	51A13	WSMR NM	T
X100048	W04XAA	USA YPG COMMANDER	COL	51A00	YPG AZ	T
X100049	W04XAA	USA YPG DIR MAT TEST DIR	LTC	51A00	YPG AZ	T
X100050	W04XAA	USA YPG PROJECT OFFICER	CPT	51A12	YPG AZ	T
X100052	W04XAA	USA YPG PROJECT OFFICER	CPT	51A91	YPG AZ	T
X100700	W04XAA	USA YPG PROJECT OFFICER	MAJ	51A13	YPG AZ	T
X100053	W04XAA	USA YPG PROJECT OFFICER	CPT	51A13	YPG AZ	T
X100054	W04XAA	USA YPG PROJECT OFFICER	CPT	51A13	YPG AZ	T
X100055	W04XAA	USA YPG PROJECT OFFICER	CPT	51A15	YPG AZ	T
X100056	W04XAA	USA YPG PROJECT OFFICER	CPT	51A15	YPG AZ	T
X100057	W04XAA	USA YPG PROJECT OFFICER	CPT	51A15	YPG AZ	T
X100058	W04YAA	USA EPG COMMANDER	COL	51A25	FT HUACHUCA AZ	T
X100059	W04YAA	USA EPG XO, EPG	LTC	51A25	FT HUACHUCA AZ	T
X100060	W04YAA	USA EPG T&E STAFF OFFICER	CPT	53B25	FT HUACHUCA AZ	R
X100061	W04YAA	USA EPG T&E STAFF OFFICER	CPT	53B25	FT HUACHUCA AZ	T
X100062	W04YAA	USA EPG T&E COORD	CPT	51A25	FT HUACHUCA AZ	T
X100063	W04YAA	USA EPG T&E STAFF OFCR	CPT	51A25	FT HUACHUCA AZ	T
X100064	W04YAA	USA EPG T&E PROJ OFCR	CPT	51A25	FT HUACHUCA AZ	T
X100065	W04YAA	USA EPG TEST & EVAL ENGR	CPT	51A25	FT HUACHUCA AZ	T
X100066	W04YAA	USA EPG TEST & EVAL ENGR	CPT	51A25	FT HUACHUCA AZ	T
P800001	W051AA	EIGHTH ARMY COMMANDER	COL	97A00	KOREA	C
P800002	W051AA	EIGHTH ARMY C, CONTR ADMN DIV	LTC	97A00	KOREA	C
P800003	W051AA	EIGHTH ARMY DOC, PUSAN	MAJ	97A00	KOREA	C
P800004	W051AA	EIGHTH ARMY DOC, KUSAN	MAJ	97A00	KOREA	C
P800005	W051AA	EIGHTH ARMY C, CONTR OPS DIV	LTC	97A00	KOREA	C
P800006	W051AA	EIGHTH ARMY DOC, OSAN	MAJ	97A00	KOREA	C
P800007	W051AA	EIGHTH ARMY DOC, TEAGU	MAJ	97A00	KOREA	C
X100067	W055AA	USARDSG0-C COMMANDER	LTC	51A00	CANADA	A
X100068	W056AA	USARDSG-UK COMMANDER	COL	51A00	UK	A
X100069	W056AA	USARDSG-UK C, STAND DIV	LTC	51A25	UK	A
X100070	W056AA	USARDSG-UK STANDARDS REP	LTC	51A15	UK	A
X100071	W056AA	USARDSG-UK STANDARDS REP-FR	LTC	51A00	FRANCE	A
X100072	W056AA	USARDSG-UK STAN REP INTL SYS	LTC	97A00	UK/ISRAEL	C
X100689	W05BAA	USA RSRCH OFF MIL INTGRTN MGR	MAJ	51A00	ALEXANDRIA VA	S
X100073	W05BAA	USA RSRCH OFF TECH INTEGR MGR	LTC	53C00	TRIANGLE PARK NC	S
X100074	W05FAA	USARDSG-AS COMMANDER	LTC	51A00	AUSTRALIA	A
E100001	W05GAA	USA CNTR CMD ER PROC OFCR	MAJ	97A00	GERMANY	C
E100010	W05GAA	USA CNTR CMD EU PROC OFCR	MAJ	97A00	GERMANY	C
E100002	W05GAA	USA CNTR CMD EU C, CONTR CTR	COL	97A00	GERMANY	C
E100004	W05GAA	USA CNTR CMD EU C, CONTR DIV	LTC	97A00	GERMANY	C
E100005	W05GAA	USA CNTR CMD EU PROC OFCR	MAJ	97A00	GERMANY	C
E100006	W05GAA	USA CNTR CMD EU C, CONTR ADMIN	LTC	97A00	GERMANY	C
JA00001	W093AA	USAE PACOM INFO MGMNT OFF	LTC	53C00		R
SU00001	W0A5AA	USAG-PANAMA DEP DIR, CONTR	MAJ	97A00	FT CLAYTON PN	C
SU00002	W0A5AA	USAG-PANAMA CONTRACTING OFCR	MAJ	97A00	FT CLAYTON PN	C
SU00003	W0A5AA	USAG-PANAMA CONTRACTING OFCR	MAJ	97A00	FT CLAYTON PN	C
SU00004	W0A5AA	USAG-PANAMA CONTRACTING OFCR	CPT	97A00	FT CLAYTON PN	C
SU00005	W0A5AA	USAG-PANAMA CONTRACTING OFCR	CPT	97A00	FT CLAYTON PN	C
SU00006	W0ALAA	HQ USASOUTH PARC, USASOUTH	LTC	97A00	FT CLAYTON PN	C
X100076	W0GWAA	HQ AMC C, OICP	COL	51A00	ALEXANDRIA VA	A
X100647	W0GWAA	HQ AMC INTNTL R&D COORD	MAJ	97A00	ALEXANDRIA VA	S
X100648	W0GWAA	HQ AMC INTNTL COOP PGMS	MAJ	97A00	ALEXANDRIA VA	S
X100077	W0GWAA	HQ AMC ACQ & LOG CRD	MAJ	51A00	ALEXANDRIA VA	A
X100644	W0GWAA	HQ AMC SPCL ASST TO CG	MAJ	51A00	ALEXANDRIA VA	L
X100637	W0GWAA	HQ AMC ACQ MGMNT OFF	MAJ	51A00	ALEXANDRIA VA	A
X100078	W0GWAA	HQ AMC STAFF OFFICER	LTC	51A11	ALEXANDRIA VA	A
X100079	W0GWAA	HQ AMC SFTWRE/AUTO OFCR	LTC	52C00	ALEXANDRIA VA	R
X100080	W0GWAA	HQ AMC AUTO OFCR	MAJ	53B00	ALEXANDRIA VA	R
X100081	W0GWAA	HQ AMC C, IN BASE MGT DIV	COL	97A00	ALEXANDRIA VA	C
X100082	W0GWAA	HQ AMC C, SPT SYS DIV	COL	51A00	ALEXANDRIA VA	V
X100083	W0GWAA	HQ AMC STAFF OFFICER	LTC	51A00	ALEXANDRIA VA	A
X100085	W0GWAA	HQ AMC PROC STAFF OFCR	LTC	97A00	ALEXANDRIA VA	C
X100084	W0GWAA	HQ AMC STAFF OFFICER	MAJ	51A00	ALEXANDRIA VA	A
X100086	W0GWAA	HQ AMC PROC STAFF OFCR	MAJ	97A00	ALEXANDRIA VA	C
X100087	W0GWAA	HQ AMC STAFF OFFICER	CPT	51A92	ALEXANDRIA VA	A
X100631	W0GWAA	HQ AMC C, ARMY CTR-DRUG	COL	51A15	ALEXANDRIA VA	A
X100088	W0GWAA	HQ AMC C, PROG & PLANS	COL	51A00	ALEXANDRIA VA	V
X100099	W0GWAA	HQ AMC SAP OFFICER	MAJ	51A00	ALEXANDRIA VA	A
X100089	W0GWAA	HQ AMC STAFF OFFICER	CPT	51A00	ALEXANDRIA VA	A
X100090	W0GWAA	HQ ANC R&D COORDINATOR	CPT	51A00	ALEXANDRIA VA	A
X100091	W0GWAA	HQ AMC CON/IND MGT OFCR	MAJ	97A00	ALEXANDRIA VA	C
X100092	W0GWAA	HQ AMC SYS MGT OFCR	MAJ	51A00	ALEXANDRIA VA	A
X100093	W0GWAA	HQ AMC C, MGT DIV	COL	97A00	ALEXANDRIA VA	C
X100094	W0GWAA	HQ AMC CON/IND MGT OFCR	LTC	97A00	ALEXANDRIA VA	C
X100095	W0GWAA	HQ AMC CON/IND MGT OFCR	MAJ	97A00	ALEXANDRIA VA	C
X100096	W0GWAA	HQ AMC PROG STAFF OFCR	LTC	97A00	ALEXANDRIA VA	C
X100097	W0GWAA	HQ AMC R&D COORDINATOR	MAJ	51A00	ALEXANDRIA VA	A
X100100	W0GWAA	HQ AMC C, AMMO PRG MGT D	COL	51A91	ALEXANDRIA VA	V
X100101	W0GWAA	HQ AMC PESO MCM	LTC	51A21	ALEXANDRIA VA	A
X100102	W0GWAA	HQ AMC PESO ARTY	LTC	51A13	ALEXANDRIA VA	A
FC00059	W0GXAA	1ST US ARMY ASST IG	MAJ	97A00	FORT MEADE MD	C
X100104	W0H9AA	HQ MICOM PROCUREMENT OFCR	CPT	97A00	HUNTSVILLE AL	C
X100105	W0H9AA	HQ MICOM INTEL OFF	MAJ	51A35	HUNTSVILLE AL	A
X100106	W0H9AA	HQ MICOM DIR, SWMO	COL	51A00	HUNTSVILLE AL	A
X100107	W0H9AA	HQ MICOM SMRT WPNS RQMNTS	LTC	51A00	HUNTSVILLE AL	S
X100108	W0H9AA	HQ MICOM DEP DIR ACO CTR	COL	97A00	HUNTSVILLE AL	C
X100110	W0H9AA	HQ MICOM CON/IND MGT OFCR	MAJ	97A00	HUNTSVILLE AL	C
X100111	W0H9AA	HQ MICOM CONTRACTING OFCR	CPT	97A91	HUNTSVILLE AL	C
X100112	W0H9AA	HQ MICOM CONTRACTING OFCR	CPT	97A13	HUNTSVILLE AL	C
X100109	W0H9AA	HQ MICOM CON/IND MGT OFCR	LTC	97A00	HUNTSVILLE AL	C
X100113	W0H9AA	HQ MICOM CONTRACTING OFCR	CPT	97A91	HUNTSVILLE AL	C
X100115	W0H9AA	HQ MICOM CON/IND MGT OFCR	LTC	97A91	HUNTSVILLE AL	C
X100116	W0H9AA	HQ MICOM CON/IND MGT OFCR	MAJ	97A00	HUNTSVILLE AL	C
X100117	W0H9AA	HQ MICOM DEP DIR ASCO	COL	51A91	HUNTSVILLE AL	A
X100707	W0H9AA	HQ MICIM SYS INTGRTN OFF	CPT	51A91	HUNTSVILLE AL	S
X100118	W0H9AA	HQ MICOM COMM S&A OFCR	MAJ	53B14	HUNTSVILLE AL	S
X100119	W0H9AA	HQ MICOM LOG STF OFCR	MAJ	51A13	HUNTSVILLE AL	A
X100122	W0H9AA	HQ MICOM DEP PM BLK II	CPT	51A13	HUNTSVILLE AL	A
X100123	W0H9AA	HQ MICOM INTEGRATION ENGR	CPT	51A13	HUNTSVILLE AL	A
X100125	W0H9AA	HQ MICOM T&E OFFICER	MAJ	51A13	HUNTSVILLE AL	T
X100127	W0H9AA	HQ MICOM TST MGR ATACMS	MAJ	51A00	HUNTSVILLE AL	A
X100131	W0H9AA	HQ MICOM TEST MANAGER	CPT	51A13	HUNTSVILLE AL	T
X100651	W0H9AA	HQ MICOM C/ CLOSE CBT TM	LTC	51A12	HUNTSVILLE AL	S
X100135	W0H9AA	HQ MICOM C2 OFFICER	MAJ	51A14	HUNTSVILLE AL	A
X100136	W0H9AA	HQ MICOM SPT INT MGR	MAJ	51A00	HUNTSVILLE AL	A
X100696	W0H9AA	HQ MICOM FA STAFF OFFICER	CPT	51A13	HUNTSVILLE AL	S
X100137	W0H9AA	HQ MICOM C, TSO/L.A.	LTC	97A00	LOS ANGELES CA	C
X100138	W0H9AA	HQ MICOM C, TSO ANDOVER	LTC	97A00	ANDOVER MA	C
X100630	W0H9AA	HQ MICOM C, TSO ORLANDO	MAJ	51A00	ORLANDO FL	A
X100141	W0H9AA	HQ MICOM DIR, SAMD	COL	51A00	HUNTSVILLE AL	A
X100142	W0H9AA	HQ MICOM AD OPS OFFICER	MAJ	51A14	RIYADH SAUD ARAB	L
X100143	W0H9AA	HQ MICOM DEP DIR FOR ACQ	LTC	51A91	HUNTSVILLE AL	A
X100144	W0H9AA	HQ MICOM APM DEV HAWK	MAJ	51A14	HUNTSVILLE AL	A
X100145	W0H9AA	HQ MICOM APM TECH, UGV	LTC	51A91	HUNTSVILLE AL	A
X100146	W0H9AA	HQ MICOM R&D PRJ OFCR	CPT	51A00	HUNTSVILLE AL	A
X100643	W0H9AA	HQ MICOM T&E OFFICER	MAJ	51A00	HUNTSVILLE AL	T
X100147	W0H9AA	HQ MICOM LOGISTICS OFF	CPT	51A91	HUNTSVILLE AL	L
X100658	W0H9AA	HQ MICOM DPLYMNT OFF, PAT	LTC	51A14	HUNTSVILLE AL	L
X100148	W0H9AA	HQ MICOM PAT LOG OFCR	MAJ	51A14	HUNTSVILLE AL	L

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
X100149	W0H9AA	HQ MICOM PAT LOG OFCR	MAJ	51A14	HUNTSVILLE AL	L
X100151	W0H9AA	HQ MICOM C, FT BLISS FO	MAJ	51A14	FT BLISS TX	A
X100153	W0H9AA	HQ MICOM AVENGER-LOG FIEL	MAJ	51A00	HUNTSVILLE AL	A
X100154	W0H9AA	HQ MICOM MAT FLD OFCR	CPT	51A14	HUNTSVILLE AL	A
X100708	W0H9AA	HQ MICOM MANPRINT CRD-JAVL	MAJ	51A91	HUNTSVILLE AL	L
X100156	W0H9AA	HQ MICOM CORP SAM LOG OFF	MAJ	51A14	HUNTSVILLE AL	L
X100157	W0H9AA	HQ MICOM H/F FLDG OFCR	MAJ	51A00	HUNTSVILLE AL	A
X100641	W0H9AA	HQ MICOM MAINTENANCE OFF	MAJ	51A74	HUNTSVILLE AL	L
X100160	W0H9AA	HQ MICOM MLRS FLDG OFR	MAJ	51A00	HUNTSVILLE AL	A
X100162	W0H9AA	HQ MICOM C, GRD TOW SYS	MAJ	51A91	HUNTSVILLE AL	A
X100163	W0H9AA	HQ MICOM TOW FLD OFCR	CPT	51A91	HUNTSVILLE AL	A
X100164	W0H9AA	HQ MICOM UAV LOG OFCR	CPT	51A91	HUNTSVILLE AL	L
X100166	W0H9AA	HQ MICOM TEST MANAGER	CPT	51A13	HUNTSVILLE AL	T
SF00001	W0J7AA	USA SFTY CTR AERO ENGR	MAJ	51A15	FT RUCKER AL	S
SF00002	W0J7AA	USA SFTY CTR AERO ENGR	MAJ	51A15	FT RUCKER AL	S
SF00003	W0J7AA	USA SFTY CTR SAFETY ENGR	MAJ	51A00	FT RUCKER AL	S
SF00004	W0J7AA	USA SFTY CTR AERO ENGR	MAJ	51A15	FT RUCKER AL	S
X100167	W0JEAA	HQ TECOM DEP COMMANDER	COL	51A00	APG MD	V
X100169	W0JEAA	HQ TECOM T&E COORD - IN	MAJ	51A11	APG MD	T
X100174	W0JEAA	HQ TECOM T&E COORD - AV	MAJ	51A15	APG MD	T
X100699	W0JEAA	HQ TECOM T&E COORDINATOR	CPT	51A15	APG MD	T
X100176	W0JEAA	HQ TECOM T&E COORD	MAJ	51A02	APG MD	T
X100168	W0JEAA	HQ TECOM T&E COORD - ADA	MAJ	51A14	APG MD	T
X100178	W0K8AA	RIA CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100179	W0K8AA	RIA CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100690	W0k9AA	WATERVLIET ARS PRGM COORD	CPT	97A00	WATERVLIET NY	C
X100688	W0K9AA	WATERVLIET ARS PRGM COORD	CPT	97A00	WATERVLIET NY	C
X100180	W0L6AA	DESCOM - PA CONTRACTING OFCR	CPT	97A91	CHAMBERSBURG PA	C
X100181	W0L6AA	DESCOM - PA CONTRACTING OFCR	CPT	97A91	CHAMBERSBURG PA	C
CZ00001	W0LAAA	USA RDAISA C, OPNS DIV	LTC	53C00	RADFORD VA	R
CZ00002	W0LAAA	USA RDAISA ADP OFFICER	MAJ	53B25	PENTAGON	R
X100183	W0LXAA	DESCOM - AL CONTRACTING OFCR	CPT	97A91	ANNISTON AL	C
X100182	W0LXAA	DESCOM - AL CONTRACTING OFCR	CPT	97A91	ANNISTON AL	C
X100184	W0MCAA	DESCOM - TX DEP DIR, CONTRACT	CPT	97A91	RED RIVER TX	C
X100185	WOMCAA	DESCOM - TX CONTRACTING OFCR	CPT	97A91	RED RIVER TX	C
X100186	WOMDAA	DESCOM - CA CONTRACTING OFCR	CPT	97A25	SACRAMENTO CA	C
X100187	WOMLAA	DESCOM - PA PROCUREMENT OFCR	CPT	97A92	TOBYHANNA PA	C
X100188	WOMLAA	DESCOM - PA PROCUREMENT OFCR	CPT	97A92	TOBYHANNA PA	C
CZ00003	W0SXAA	USA ISMA PM DCASS	COL	51A25	FT MONMOUTH NJ	A
CZ00004	W0SXAA	USA ISMA PM DDN	LTC	51A25	FT MONMOUTH NJ	A
CZ00005	W0SXAA	USA ISMA PM JSCP	LTC	53C00	FT MONMOUTH NJ	A
CZ00006	W0SXAA	USA ISMA PM ASCP	LTC	53C00	FT MONMOUTH NJ	A
CZ00007	W0SXAA	USA ISMA PROJECT OFFICER	MAJ	51A25	YONGSON KOREA	A
CZ00009	W0SXAA	USA ISMA PROJECT OFFICER	MAJ	53B25	FT MONMOUTH NJ	A
CZ00008	W0SXAA	USA ISMA PROJECT OFFICER	CPT	51A25	FT MONMOUTH NJ	A
CZ00175	W0SXAA	USA ISMA PROJECT OFFICER	CPT	53B25	FT MONMOUTH NJ	R
CZ00010	W0SXAA	USA ISMA PROJECT OFFICER	CPT	51A25	FT MONMOUTH NJ	A
CZ00011	W0SXAA	USA ISMA PROJECT OFFICER	CPT	51A25	FT MONMOUTH NJ	A
CZ00012	W0SXAA	USA ISMA PROJECT OFFICER	CPT	53B25	FT MONMOUTH NJ	A
CZ00013	W0SXAA	USA ISMA PM IM&TPR	COL	53C00	PENTAGON	A
CZ00176	W0SXAA	USA ISMA PRD LDR, PNT REN	LTC	53C25	PENTAGON	R
CZ00014	W0SXAA	USA ISMA PM DCATS	COL	51A25	FT MONMOUTH NJ	A
CZ00015	W0SXAA	USA ISMA PM WHTS	LTC	51A25	FT MONMOUTH NJ	A
CZ00016	W0SXAA	USA ISMA PM DSCSI	LTC	51A25	FT MONMOUTH NJ	A
CZ00017	W0SXAA	USA ISMA PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
CZ00019	WOSXAA	USA ISMA PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
CZ00018	W0SXAA	USA OSMA PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
CZ00173	W0SXAA	USA ISMA PROJECT OFFICER	CPT	53B25	FT MONMOUTH NJ	R
CZ00174	W0SXAA	USA ISMA PROJECT OFFICER	CPT	53B25	FT MONMOUTH NJ	R
CZ00020	W0SXAA	USA ISMa PROJECT OFFICER	CPT	51A25	FT MONMOUTH NJ	A
CZ00021	W0SXAA	USA ISMA PM IMA MOD	LTC	53C25	FT BELVOIR VA	A
CZ00022	W0SXAA	USA ISMA PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
CZ00023	W0SXAA	USA ISMA PM TACCIMS	COL	53C00	KOREA	A
TC00001	W0U5AA	USASIGNAL ASST TSM	MAJ	51A25	FT GORDON GA	A
TC00002	W0U5AA	USASIGNAL ASST TSM	MAJ	51A25	FT GORDON GA	A
TC00003	W0U5AA	USASIGNAL ASST TSM (PER)	CPT	51A25	FT GORDON GA	A
TC00209	W0U5AA	USASIGNAL ASST TSM LOGISTIC	CPT	53B25	FT GORDON GA	R
TC00004	W0U5AA	USASIGNAL APMO	CPT	51A25	FT GORDON GA	A
TC00232	W0U5AA	USASIGNAL CBT DEV PROJ OFF	CPT	53B25	FT GORDON GA	A
TC00006	W0U5AA	USASIGNAL CD PRJ OFF	CPT	53B25	FT GORDON GA	A
TC00007	W0U5AA	USASIGNAL CBT DEV PROJ OFF	CPT	51A25	FT GORDON GA	A
TC00008	W0U5AA	USASIGNAL CBT DEV STAFF OFF	CPT	51A25	FT GORDON GA	A
TC00010	W0U5AA	USASIGNAL SYS ANALYST	CPT	53B25	FT GORDON GA	A
TC00233	W0U5AA	USASIGNAL SYS ANALYST	CPT	53B25	FT GORDON GA	A
TC00227	W0U5AA	USASIGNAL DOCTRINE ANAL CRD	CPT	53B25	FT GORDON GA	X
TC00228	W0U5AA	USASIGNAL INSTRUCTOR/WRITER	CPT	53B25	FT GORDON GA	X
TC00011	W0U9AA	USA AVN CTR ASST TSM LOG	MAJ	51A15	FT RUCKER AL	L
TC00012	W0U9AA	USA AVN CTR ASST TSM LONGBOW	LTC	51A15	FT RUCKER AL	A
TC00013	W0U9AA	USA AVN CTR ASST TSM LOG	MAJ	51A15	FT RUCKER AL	L
TC00014	W0U9AA	USA AVN CTR ASST TPO/LOG	MAJ	51A15	FT RUCKER AL	L
TC00015	W0U9AA	USA AVN CTR ASST TSM COMANCHE	LTC	51A15	FT RUCKER AL	A
TC00016	W0U9AA	USA AVN CTR ASST TSM LOG	MAJ	51A15	FT RUCKER AL	A
TC00017	W0U9AA	USA AVN CTR SR R&D STAFF OFF	MAJ	51A15	FT RUCKER AL	A
TC00018	W0U9AA	USA AVN CTR SR R&D STAFF OFF	MAJ	51A15	FT RUCKER AL	A
TC00019	W0U9AA	USA AVN CTR AVN MAT MGT STF	CPT	51A15	FT RUCKER AL	A
TC00020	W0U9AA	USA AVN CTR C, AVEW BRANCH	MAJ	51A15	FT RUCKER AL	A
TC00022	W0U9AA	USA AVN CTR SR R&D STAFF OFF	MAJ	51A15	FT RUCKER AL	A
TC00021	W0U9AA	USA AVN CTR C/E DEV OFF	CPT	51A15	FT RUCKER AL	A
MW00001	W0USAA	USAG FT MEADE PROCUREMENT OFCR	MAJ	97A00	FT MEADE MD	C
FC00058	W0VCAA	USAG FT HOOD DIR OF CONTRACTIN	LTC	97A00	FT HOOD TX	C
FC00066	W0VFAA	USAF FT POLK CONTRACTING OFF	MAJ	97A00	FT POLK LA	C

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
TC00023	W0VLAA	HQ USAEC SPV MAT DEV OFCR	LTC	51A21	FT LEONARD WD MO	A
TC00024	W0VLAA	HQ USAEC SPV MAT DEV OFCR	MAJ	51A21	FT LEONARD WD MO	A
TC00025	W0VLAA	HQ USAEC MAT DEV OFCR	CPT	51A21	FT LEONARD WD MO	A
TC00029	W0VLAA	HQ USAEC SPV MAT DEV	MAJ	53B21	FT LEONARD WD MO	A
FC00061	W0VNAA	USAG FT CARSON CONTRACTIN OFF	CPT	97A00	FT CARSON CO	C
TC00231	W0VPAA	USA CAC CONTRACTING OFF	CPT	97A02	FT LVNWORTH KS	C
TC00230	W0VPAA	USA CAC CONTRACTIN OFF	CPT	97A02	FT LVNWORTH KS	C
TC00226	W0VPAA	USA CAC INFO MGMNT OFF	MAJ	53B00	FT LVNWORTH KS	R
TC00030	W0VPAA	USA CAC CDIO	MAJ	51A02	FT MONROE VA	A
TC00032	W0VPAA	USA CAC SR PROJECT OFF	MAJ	51A02	FT LVNWORTH KS	A
TC00033	W0VPAA	USA CAC SR PROJ OFCR	MAJ	51A02	FT LVNWORTH KS	A
TC00034	W0VPAA	USA CAC SR PROJ OFCR	MAJ	51A25	FT LVNWORTH KS	A
TC00035	W0VPAA	USA CAC PROJECT OFFICER	CPT	51A00	FT LVNWORTH KS	A
TC00036	W0VPAA	USA CAC CONCPTS, PL, ARCH	LTC	51A02	FT LVNWORTH KS	A
TC00037	W0VPAA	USA CAC PROJ OFFICER	CPT	51A13	FT LVNWORTH KS	A
TC00038	W0VPAA	USA CAC SR PROJ OFCR	MAJ	51A02	FT LVNWORTH KS	A
TC00039	W0VPAA	USA CAC INTEGRATION OFF	CPT	51A35	FT LVNWORTH KS	A
TC00031	W0VPAA	USA CAC SR PROJECT OFF	MAJ	51A02	FT LVNWORTH KS	A
TC00225	W0VPAA	USA CAC PRJ OFF-COMM/COMP	MAJ	53A14	FT LVNWORTH KS	R
TC00040	W0VPAA	USA CAC SR PROJ OFCR	MAJ	51A11	FT LVNWORTH KS	A
TC00041	W0VPAA	USA CAC PROJECT OFFICER	CPT	51A13	FT LVNWORTH KS	A
TC00042	W0VPAA	USA CAC ASST TSM-PER/TEST	MAJ	51A25	FT LVNWORTH KS	A
TC00043	W0VPAA	USA CAC C, MCS NET DIV	CPT	51A02	FT LVNWORTH KS	A
TC00044	W0VPAA	USA CAC AVCATT PROJ OFF	MAJ	51A02	FT KNOX KY	A
X100190	W0Y6AA	HQ ATCOM AEROSPACE ENG	LTC	51A15	WASHINGTON DC	S
X100697	W0Y6AA	HQ ATCOM AEROSPACE ENGINEER	CPT	51A15	ST LOUIS MO	S
X100698	W0Y6AA	HQ ATCOM ADV TECH INT OFF	CPT	51A15	ST LOUIS MO	S
X100701	W0Y6AA	HQ ATCOM AEROSPACE ENGINEER	CPT	51A15	ST LOUIS MO	S
X100191	W0Y6AA	HQ ATCOM C, PRODUCTION DIV	MAJ	97A00	ST LOUIS MO	G
X100192	W0Y6AA	HQ ATCOM DIR, CONTR OPNS	COL	97A00	ST LOUIS MO	C
X100193	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A00	ST LOUIS MO	C
X100194	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	LTC	97A15	ST LOUIS MO	C
X100197	WOY6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A00	ST LOUIS MO	C
X100198	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A00	ST LOUIS MO	C
X100199	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	MAJ	97A15	ST LOUIS MO	C
X100200	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A15	ST LOUIS MO	C
X100201	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A15	ST LOUIS MO	C
X100202	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A15	ST LOUIS MO	C
X100203	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A00	ST LOUIS MO	C
X100204	W0Y6AA	HQ ATCOM PROCUREMENT OFCR	CPT	97A00	ST LOUIS MO	C
X100205	W0Y6AA	HQ ATCOM C, BASE SPT BR	MAJ	97A00	ST LOUIS MO	C
X100207	W0Y6AA	HQ ATCOM DEP DIR INTL LOG	LTC	51A15	ST LOUIS MO	Z
X100208	W0Y6AA	HQ ATCOM PM MEP	COL	51A91	SPRINGFIELD VA	A
X100209	W0Y6AA	HQ ATCOM PROJECT OFFICER	CPT	51A91	SPRINGFIELD VA	A
X100210	W0Y6AA	HQ ATCOM PM PWL	LTC	51A92	ST LOUIS MO	A
X100211	W0Y6AA	HQ ATCOM APM, LOG PM-PWL	CPT	97A92	ST LOUIS MO	A
X100212	W0Y6AA	HQ ATCOM PM SOLDIER	COL	51A92	WOODBRIDGE VA	A
X100635	W0Y6AA	HQ ATCOM APM ENHNCD LNDWAR	MAJ	51A92	WOODBRIDGE VA	A
X100213	W0Y6AA	HQ ATCOM WSM PSE	LTC	51A31	FT BELVOIR VA	A
X100214	W0Y6AA	HQ ATCOM WSM ADE	LTC	97A92	ST LOUIS MO	C
X100215	W0Y6AA	HQ ATCOM DIR FLD AV SYS	COL	51A15	ST LOUIS MO	A
X100218	W0Y6AA	HQ ATCOM WPN SYS MGR, LUH	LTC	51A15	ST LOUIS MO	A
X100217	W0Y6AA	HQ ATCOM ASST WSM - LOG	CPT	51A15	ST LOUIS MO	A
X100634	W0Y6AA	HQ ATCOM WSM AGSE	LTC	51A15	ST LOUIS MO	A
X100216	W0Y6AA	HQ ATCOM ASST WSM-ACQ	MAJ	51A15	ST LOUIS MO	A
X100219	W0Y6AA	HQ ATCOM PM FXD WING	LTC	51A15	ST LOUIS MO	A
X100220	W0Y6AA	HQ ATCOM APM FIXED WING	MAJ	97A15	ST LOUIS MO	S
X100222	W0Y6AA	HQ ATCOM APM, SEMA	MAJ	97A15	ST LOUIS MO	A
X100223	W0Y6AA	HQ ATCOM PM ATC	LTC	51A15	ST LOUIS MO	A
X100224	W0Y6AA	HQ ATCOM C, NAS JT PGM OFC	MAJ	97A15	WASHINGTON DC	A
X100189	W0Y6AA	HQ ATCOM DPM FAA SATELLITE	MAJ	51A15	WASHINGTON DC	A
X100225	W0Y6AA	HQ ATCOM PM COBRA	LTC	51A15	ST LOUIS MO	A
X100226	W0Y6AA	HQ ATCOM APM LOGISTICS	MAJ	51A15	ST LOUIS MO	A
CS00002	W0Z1AA	ACS INTEL ADP SYS MGR	LTC	53C35	PENTAGON	R
CS00003	W0Z1AA	ACS INTEL ADP STF OFCR	MAJ	53B35	PENTAGON	R
CS00004	W0Z2AA	ODCSOPS ACQUISITION ANAL	MAJ	51A00	PENTAGON	A
CS00005	W0Z3AA	ODCSLOG STRAT SEALIFT	MAJ	51A88	WASHINGTON DC	A
CS00014	W0Z3AA	ODCSLOG LOG STAFF OFF	MAJ	51A91	PENTAGON	L
CS00006	W0ZUAA	OCSA PA&E PROC STAFF OFCR	MAJ	97A00	PENTATON	K
CS00007	W0ZUAA	OCSA PA&E PROGRAM ANALYST	MAJ	51A00	PENTAGON	K
CS00008	W0ZUAA	OCSA TMO RSCH DEV ACQ OF	LTC	51A00	PENTAGON	S
CS00009	W0ZUAA	OCSA TMO INFO SYS STF OFF	LTC	53A25	PENTAGON	R
CS00010	W0ZUAA	OCSA TMO PROC STAFF OFCR	LTC	97A00	PENTAGON	C
CS00011	W0ZZAA	ODCSPER DEPUTY IMO	COL	53C00	PENTAGON	A
CS00013	W0ZZAA	ODCSPER C, MANPRINT ACQ	LTC	51A00	PENTAGON	S
CS00012	W0ZZAA	ODCSPER C, ACQ POL INT TM	MAJ	97A00	PENTAGON	X
CS00015	W0ZZAA	ODCSPER MANPRINT STAFF OF	MAJ	97A00	PENTAGON	A
DF00257	W10YAA	DISA SYS AUTO ENGR	CPT	53B00	PENTAGON	R
DF00011	W10YAA	DISA EXEC OFFICER	LTC	53C00	ARLINGTON VA	S
DF00012	W10YAA	DISA C, SYS MAINT DIV	LTC	53C00	WASHINGTON DC	R
DF00013	W10YAA	DISA SYS ACQ PROC OFF	MAJ	53B00	STERLING VA	S
DF00014	W10YAA	DISA SYS ACQ OFF	MAJ	53B00	STERLING VA	R
DF00015	W10YAA	DISA APPL SOFTWR ENGR	CPT	53B00	STERLING VA	R
DF00016	W10YAA	DISA RESRCE MNTR DIV	LTC	53C00	PENTAGON	S
DF00017	W10YAA	DISA INFO SYS ACQ OFF	MAJ	53B00	ARLINGTON VA	R
DF00018	W10YAA	DISA ADP PROJ MGR	COL	53C02	STERLING VA	A
DF00019	W10YAA	DISA C, APP SFTW BR	LTC	53C00	WASHINGTON DC	R
DF00020	W10YAA	DISA SYS ACQ OFF	CPT	53B00	STERLING VA	R
DF00021	W10YAA	DISA PMO QUAL ASSU OFF	LTC	53C00	STERLING VA	A
DF00022	W10YAA	DISA C, OP SYS SFTW BR	LTC	53C00	STERLING VA	R
DF00023	W10YAA	DISA COMP SYS STF OFCR	MAJ	53B00	STERLING VA	R

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
DF00024	W10YAA	DISA APP SWARE A&D OFF	MAJ	53B00	STERLING VA	S
JA00002	W13BAA	USAE INT CTR C, SYS ENGR	MAJ	53B00	HAWAII	S
DF00025	W1A1AA	HQ DLA XO, DEP DIR, ACQ	LTC	97A00	CAMERON STATN VA	C
DF00027	W1A1AA	HQ DLA AIDE TO DCMC CDR	CPT	97A00	CAMERON STATN VA	C
DF00028	W1A1AA	HQ DLA ACQ MGT STAFF OFF	LTC	97A00	CAMERON STATN VA	C
DF00029	W1A1AA	HQ DLA PROC STAFF OFCR	CPT	97A00	CAMERON STATN VA	C
DF00030	W1A1AA	HQ DLA PROD STAFF OFCR	MAJ	97A00	CAMERON STATN VA	G
DF00032	W1A1AA	HQ DLA CONTR MGT OFCR	MAJ	97A00	CAMERON STATN VA	C
DF00242	W1A1AA	HQ DLA FLIGHT OPNS OFF	MAJ	97A15	CAMERON STATN VA	C
DF00033	W1A1AA	HQ DLA QA MGT STAFF OFCR	MAJ	97A00	CAMERON STATN VA	H
DF00241	W1A1AA	HQ DLA C, DCMC/NASA PI	COL	97A00	HUNTSVILLE AL	C
DF00036	W1A7AA	DLA DCSC DIR, CONTR/PROD	COL	97A00	COLUMBUS OH	C
DF00037	W1A7AA	DLA DCSC C, CONTR DIV	LTC	97A00	COLUMBUS OH	C
DF00038	W1A7AA	DLA DCSC C, WPN SYS SPT/AO	LTC	97A00	COLUMBUS OH	C
DF00039	W1A7AA	DLA DCSC ASST C, CONTR DIV	MAJ	97A00	COLUMBUS OH	C
DF00040	W1A8AA	DLA DPSC CONTRACTING OFCR	MAJ	97A00	PHILADELPHIA PA	C
DF00041	W1A8AA	DLA DPSC CONTRACTING OFCR	MAJ	97A00	PHILADELPHIA PA	C
DF00042	W1A8AA	DLA SPDC C, D&M CONTR BR	LTC	97A00	PHILADELPHIA PA	C
DF00044	W1A9AA	DLA DGSC C, CONTR DIV	LTC	97A00	RICHMOND VA	C
DF00045	W1A9AA	DLA DGSC C, CONTRACTS BR	MAJ	97A00	RICHMOND VA	C
DF00046	W1A9AA	DLA DGSC C, CONTRACTS SECT	CPT	97A00	RICHMOND VA	C
DF00047	W1ACAA	DNA SYS AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	S
DF00048	W1ACAA	DNA SYS AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	S
DF00049	W1ACAA	DNA R&D TEST OPNS OFF	MAJ	51A00	ALEXANDRIA VA	T
DF00050	W1AFAA	DISA AMO C, CNTR SPT BR	LTC	97A00	NORTHERN VA	C
DF00051	W1AJAA	DISA (DNSO) INFO SYS ACQ OFF	CPT	97A00	MCLEAN VA	C
SA00002	W1B0AA	ASARDA EXEC OFFICER	COL	51A00	PENTAGON	V
SA00003	W1B0AA	ASARDA DEP DACM	COL	97A00	PENTAGON	X
SA00004	W1B0AA	ASARDA EXEC MIL DEP	LTC	51A00	PENTAGON	Z
SA00005	W1B0AA	ASARDA MIL ASST ASA	LTC	51A00	PENTAGON	Z
SA00088	W1B0AA	ASARDA SMIR PROGRAM OFF	LTC	51A00	PENTAGON	S
SA00006	W1B0AA	ASARDA SACO	LTC	51A00	PENTAGON	Z
SA00090	W1B0AA	ASARDA EXECUTIVE OFFICER	LTC	97A00	PENTAGON	A
SA00007	W1B0AA	ASARDA CHIEF PA&E	COL	51A00	PENTAGON	V
SA00008	W1B0AA	ASARDA R&D COORD - PA&E	LTC	51A00	PENTAGON	Z
SA00009	W1B0AA	ASARDA R&D COORD - PA&E	LTC	51A00	PENTAGON	Z
SA00010	W1B0AA	ASARDA DIR INTL PROGRAMS	COL	51A00	PENTAGON	V
SA00011	W1B0AA	ASARDA STF OFCR INTL PRG	LTC	51A00	PENTAGON	A
SA00027	W1B0AA	ASARDA STF OFF - PROG EVL	LTC	97A00	PENTAGON	C
SA00012	W1B0AA	ASARDA STF OFCR INTL PRG	LTC	51A00	PENTAGON	A
SA00013	W1B0AA	ASARDA EXEC OFF DAS/R&T	LTC	51A00	PENTAGON	Z
SA00089	W1B0AA	ASARDA DEP DIR FOR TECH	COL	51A00	PENTAGON	S
SA00014	W1B0AA	ASARDA EXEC SEC ASB	COL	51A00	PENTAGON	V
SA00015	W1B0AA	ASARDA PROC STAFF OFCR	LTC	97A00	PENTAGON	C
SA00016	W1B0AA	ASARDA PROC STAFF OFCR	COL	97A00	PENTAGON	C
SA00017	W1B0AA	ASARDA PROC STAFF OFCR	COL	97A00	PENTAGON	C
SA00018	W1B0AA	ASARDA EXEC OFF DAS/PLAN	LTC	51A00	PENTAGON	Z
SA00019	W1B0AA	ASARDA C, PLANS, PRG, RES	COL	51A00	PENTAGON	V
SA00020	W1B0AA	ASARDA STF OFCR PL, PRG, R	LTC	51A00	PENTAGON	A
SA00021	W1B0AA	ASARDA STF OFCR PL, PRG, R	LTC	51A00	PENTAGON	A
SA00022	W1BOAA	ASARDA STF OFCR PL, PRG, R	LTC	51A00	PENTAGON	A
SA00023	W1BOAA	ASARDA STF OFCR PL, PRG, R	LTC	53C00	PENTAGON	R
SA00024	W1B0AA	ASARDA STF OFCR PL, PRG, R	MAJ	51A00	PENTAGON	A
SA00025	W1B0AA	ASARDA DIR, ACQ/IB POLICY	COL	51A00	PENTAGON	V
SA00026	W1B0AA	ASARDA ASC POL STF OFCR	LTC	97A00	PENTAGON	C
SA00028	W1B0AA	ASARDA ACQ POL STF OFCR	LTC	51A00	PENTAGON	A
SA00029	W1BOAA	ASARDA EXEC OFCR SYS MGT	LTC	51A00	PENTAGON	Z
SA00030	W1B0AA	ASARDA DIR CLOSE COMBAT	COL	51A00	PENTAGON	V
SA00031	W1B0AA	ASARDA STF OFCE CLS CBT	LTC	51A12	PENTAGON	A
SA00032	W1B0AA	ASARDA STF OFCR CLS CBT	MAJ	51A12	PENTAGON	A
SA00033	W1B0AA	ASARDA STF OFCR CLS CBT	LTC	51A11	PENTAGON	A
SA00034	W1B0AA	ASARDA STF OFCR CLS CBT	LTC	51A12	PENTAGON	A
SA00035	W1B0AA	ASARDA STF OFCR CLS CBT	LTC	51A13	PENTAGON	A
SA00036	W1B0AA	ASARDA STF OFCR CLS CBT	MAJ	51A12	PENTAGON	A
SA00037	W1B0AA	ASARDA DIR MISSILE SYS	COL	51A14	PENTAGON	V
SA00038	W1B0AA	ASARDA STF OFCR MISS SYS	LTC	51A14	PENTAGON	A
SA00039	W1B0AA	ASARDA STF OFCE MISS SYS	MAJ	51A14	PENTAGON	A
SA00040	W1B0AA	ASARDA STF OFCR MISS SYS	LTC	51A14	PENTAGON	A
SA00041	W1B0AA	ASARDA STF OFCR MISS SYS	LTC	51A13	PENTAGON	A
SA00042	W1B0AA	ASARDA STF OFCR MISS SYS	LTC	51A11	PENTAGON	A
SA00043	W1B0AA	ASARDA STF OFCR MISS SYS	MAJ	51A14	PENTAGON	A
SA00044	W1B0AA	ASARDA STF OFCR MISS SYS	MAJ	51A13	PENTAGON	A
SA00045	W1B0AA	ASARDA STF OFCR MISS SYS	LTC	51A91	PENTAGON	A
SA00046	W1B0AA	ASARDA DIR AVN & IEW	COL	51A15	PENTAGON	V
SA00047	W1B0AA	ASARDA STF OFF AVN/IEW	LTC	51A35	PENTAGON	A
SA00048	W1B0AA	ASARDA STF OFF AVN/IEW	MAJ	51A35	PENTAGON	A
SA00049	W1B0AA	ASARDA STF OFF AVE/IEW	LTC	51A35	PENTAGON	A
SA00050	W1B0AA	ASARDA STF OFF AVN/IEW	LTC	51A35	PENTAGON	A
SA00051	W1BOAA	ASARDA STF OFF AVN/IEW	LTC	51A35	PENTAGON	A
SA00052	W1B0AA	ASARDA STF OFF AVN/IEW	LTC	51A35	PENTAGON	A
SA00053	W1B0AA	ASARDA STF OFF AVN/IEW	LTC	51A15	PENTAGON	A
SA00054	W1B0AA	ASARDA STF OFF AVN/IEW	LTC	51A15	PENTAGON	A
SA00055	W1B0AA	ASARDA STF OFF AVN/IEW	MAJ	51A15	PENTAGON	A
SA00056	W1BOAA	ASARDA STF OFF AVN/IEW	MAJ	51A15	PENTAGON	A
SA00057	W1B0AA	ASARDA STF OFF AVN/IEW	LTC	51A15	PENTAGON	A
SA00058	W1B0AA	ASARDA STF OFF AVN/IEW	MAJ	51A15	PENTAGON	A
SA00059	W1B0AA	ASARDA DIR SPCL PRGMS	COL	51A00	PENTAGON	A
SA00060	W1B0AA	ASARDA STF OFCR SPCL PRG	LTC	51A00	PENTAGON	A
SA00061	W1B0AA	ASARDA STF OFCR SPCL PRG	LTC	51A00	PENTAGON	A
SA00062	W1B0AA	ASARDA STF OFCR SPCL PRG	MAJ	51A00	PENTAGON	A
SA00063	W1B0AA	ASARDA DIR PROG INTGR	COL	51A00	PENTAGON	V
SA00064	W1B0AA	ASARDA STF OFCR PRG INTG	LTC	51A00	PENTAGON	A
SA00065	W1B0AA	ASARDA STF OFCR PRG INTG	LTC	51A00	PENTAGON	A
DF00259	W1B3AA	USA ELE OSD DEP SPACE DEF SYS	COL	51A00	PENTAGON	V
DF00054	W1B3AA	USA ELE OSD ASST ACQ OVERSIGH	COL	51A00	ASD(SOLIC)	V
DF00056	W1B3AA	USA ELE OSD SPCL ASST	COL	51A00	USD(A)(DDR&E)	A
DF00057	W1B3AA	USA ELE OSD FOR COMP TEST PGM	COL	51A00	USD(A)(DDR&E)	A
DF00234	W1B3AA	USA ELE OSD DEP ARMS CONT/COM	LTC	51A14	USD(A)	A
DF00235	W1B3AA	USA ELE OSD MIL ASST EW CBT	COL	51A15	USD(A)(DDR&E)	V
DF00237	W1B3AA	USA ELE OSD DIR, SYS OVRSHT	COL	53C00	PENTAGON	V
DF00053	W1B3AA	USA ELE OSD MIL ASST USD(A)	COL	51A00	PENTAGON	V
DF00065	W1B3AA	USA ELE OSD A DD, DEF PROC	LTC	97A00	USD(A) DEF PROC	C
DF00260	W1B3AA	USA ELE OSD MGR INT COOP PGMS	COL	51A00	PENTAGON	A
DF00052	W1B3AA	USA ELE OSD AET & CD STF SPC	LTC	51A00	PENTAGON	X
DF00064	W1B3AA	USA ELE OSD BGR INTL COOP PGM	COL	51A00	PENTAGON	A
DF00238	W1B3AA	USA ELE OSD DEF ACQ PRGM ANAL	COL	51A00	PENTAGON	V
DF00261	W1B3AA	OSD - ROBOTICS STAFF OF	LTC	51A00	PENTAGON	S
DF00066	W1B6AA	USA ELE JCS AUTO SYS MGR	LTC	53C00	PENTAGON	S
DF00067	W1B6AA	USA ELE JCS OPS DEV ENGR	MAJ	53B25	FT MEADE	S
DF00069	W1B6AA	USA ELE JCS WPNS SYS PGM EV	LTC	51A15	PENTAGON	A
DF00070	W1B6AA	USA ELE JCS WPNS SYS PGM EV	LTC	51A12	DOD AGCY	A
DF00244	W1B6AA	USA ELE JCS WPN SYS PRGM EVAL	LTC	97A00	PENTAGON	A
CE00001	W1B7AA	HQ COE DEP C, CONTR POL	LTC	97A21	WASHINGTON DC	C
CE00006	W1B7AA	HQ COE EXEC DIR, INFO MGT	LTC	53C21	WASHINGTON DC	A
DF00071	W1BDAA	DLA DESC C, CONTRACTS SECT	CPT	97A00	DAYTON OH	C
DF00072	W1BDAA	DLA DESC DEP DIR, QA	LTC	97A00	DAYTON OH	H
DF00074	W1BEAA	DLA DISC C, CONTRACTS SECT	CPT	97A00	PHILADELPHIA PA	C
DF00075	W1BEAA	DLA DISC C, CONTR DIV	LTC	97A00	PHILADELPHIA PA	C
DF00077	W1BLAA	DLA DCMDM COMMANDER	COL	97A00	DCMD MID ATL	C
DF00078	W1BLAA	DLA DCMDM DEP DIR, CON MGT	LTC	97A00	DCMD MID ATL	C
DF00079	W1BLAA	DLA DCMDM DIR, PGM/TECH SPT	COL	97A00	DCMD MID ATL	C
DF00080	W1BLAA	DLA DCMDM C, PGM/TECH SPT	LTC	97A00	DCMAO BALT MD	C
DF00083	W1BLAA	DLA DCMDM C, CONTR MGT DIV	LTC	97A00	DCMAO PHIL PA	C
DF00084	W1BLAA	DLA DCMDM COMMANDER	COL	97A00	DCMAO BALD MD	C
DF00085	W1BLAA	DLA DCMDM COMMANDER	LTC	97A00	DCMAO READING PA	C
DF00086	W1BLAA	DLA DCMDM COMMANDER	MAJ	97A00	BMY RESIDENCY	C
DF00087	W1BLAA	DLA DCMDM COMMANDER	COL	97A15	DPRO BOEING	C
DF00088	W1BLAA	DLA DCMDM C, QA FLT OPS	LTC	97A15	DPRO BOEING HEL	H
DF00090	W1BLAA	DLA DCMDM COMMANDER	COL	97A00	DCMAO SPRNG	C
DF00091	W1BLAA	DLA DCMDM PROCUREMENT OFCR	CPT	97A00	DCMAO SPRNG	C
DF00092	W1BLAA	DLA DCMDM COMMANDER	LTC	97A00	DPRO KRFOTT/PLSY	C
DF00093	W1BLAA	DLA DCMDM COMMANDER	COL	97A00	DCMAO CLEVELAND	C
DF00081	W1BLAA	DLA DCMDM PROCUREMENT OFCR	CPT	97A00	DCMAO DAYTON OH	C
DF00094	W1BLAA	DLA DCMDM COMMANDER	COL	97A00	DCMAO DETRO	C
DF00095	W1BLAA	DLA DCMDM ASST C, QA	CPT	97A00	DCMAO DETRO	H
DF00098	W1BLAA	DLA DCMDM COMMANDER	LTC	97A00	DPRO GD LIMA OH	C
DF00099	W1BLAA	DLA DCMDM PROD OFCR	MAJ	97A00	DPRO GD LIMA OH	G
DF00100	W1BLAA	DLA DCMDM DEP C, QA DIV	MAJ	97A00	DPRO GD LIMA OH	H
DF00101	W1BLAA	DLA DCMDM DEP C, P&TS DIV	MAJ	97A00	DPRO GD LIMA OH	G
DF00102	W1BLAA	DLA DCMDM PROCUREMENT OFCR	MAJ	97A00	DPRO GD LIMA OH	C
DF00103	W1BLAA	DLA DCMDM DEP C, CTR MGT DV	MAJ	97A00	DPRO GD LIMA OH	C
DF00104	W1BLAA	DLA DCMDM C, PGM/TECH SPT	MAJ	97A00	DCMAO N VA	C
DF00105	W1BLAA	DLA DCMDM COMMANDER	LTC	97A00	DCMAO PHIL	C
DF00106	W1BLAA	DLA DCMDM C, PGM/TECH SPT	LTC	97A00	DCMO MID ATL	C
JA00064	W1BSAA	NAVAL PG SCH INSTR SYS ACQ MGT	LTC	51A00	MONTERREY	C
JA00065	W1BSAA	NAVAL PG SCH INSTR SYS ACQ MGT	LTC	51A00	MONTERREY CA	X
JA00003	W1BSAA	AE NAVY ACTY ARMY JNT PGM	COL	51A00	CRYSTAL CITY VA	A
JA00004	W1BSAA	AE NAVY ACTY DEP PRGM TEST MGR	LTC	51A00	CRYSTAL CITY VA	T
JA00005	W1BSAA	AE NAVY ACTY PRGM ASSESS/ANAL	MAJ	51A00	CRYSTAL CITY VA	A
JA00006	W1BTAA	USAE AF ACTIVIT PRGM COORD	LTC	51A00	PENTAGON	A
JA00007	W1BTAA	USAE AF ACTIVIT PRGM OFFICER	LTC	51A00	PENTAGON	A
JA00069	W1BTAA	USAE AF ACTIVIT PROJECT ENG	MAJ	53A00	PENTAGON	A
JA00068	W1BTAA	USAE AF ACTIVIT PROJECT ENG	MAJ	97A00	PENTAGON	A
JA00067	W1BTAA	USAE AF ACTIVIT PROJECT ENG	MAJ	51A00	PENTAGON	A
JA00066	W1BTAA	USAE AF ACTIVIT PROJECT ENG	MAJ	97A00	PENTAGON	A
JA00008	W1BTAA	USAE AF ACTIVIT OPS/PLNS ANAL	LTC	51A00	PENTAGON	A
JA00009	W1BTAA	USAE AF ACTIVIT RSCH COORD	MAJ	51A00	PENTAGON	A
JA00010	W1BTAA	USAE AF ACTIVIT DEV ENGR	MAJ	51A00	PENTAGON	A
JA00011	W1BTAA	USAE AF ACTIVIT PRG OFCR	MAJ	51A00	PENTAGON	A
DF00061	W1BTAA	USAE AF ACTIVIT CHIEF OF STAFF	COL	51A00	PENTAGON- DESA	T
JA00012	W1BUAA	HQ AAFES DIR, PROC SPT	COL	97A00	DALLAS TX	C
SA00066	W1BYAA	OCLL STAFF OFFICER	LTC	51A00	PENTAGON	A
SA00067	W1BYAA	OCLL STAFF OFFICER	LTC	51A00	PENTAGON	A
TC00045	W1D2AA	USA ADA SCH THAAD PROJ OFCR	MAJ	51A14	FT BLISS TX	A
TC00046	W1D2AA	USA ADA SCH C, HIMAD BR	MAJ	51A00	FT BLISS TX	A
TC00048	W1D2AA	USA ADA SCH ATMD PROJ OFF	CPT	51A14	FT BLISS TX	A
TC00047	W1D2AA	USA ADA SCH ATMD PROJ OFF	CPT	51A14	FT BLISS TX	A
TC00049	W1D2AA	USA ADA SCH HIMAD PROJ	CPT	51A14	FT BLISS TX	A
TC00050	W1D2AA	USA ADA SCH C, FAADS BR	MAJ	51A00	FT BLISS TX	A
TC00051	W1D2AA	USA ADA SCH FAADS PROJ OFF	CPT	51A14	FT BLISS TX	A
TC00052	W1D2AA	USA ADA SCH FAADS PROJ OFF	CPT	51A14	FT BLISS TX	A
TC00053	W1D2AA	USA ADA SCH SR TACTICAL ANAL	MAJ	51A25	FT BLISS TX	A
TC00054	W1D2AA	USA ADA SCH C2 OFCR	CPT	51A25	FT BLISS TX	A
TC00055	W1D2AA	USA ADA SCH C, C2 BR	MAJ	51A00	FT BLISS TX	A
TC00056	W1D2AA	USA ADA SCH CD OFCR	CPT	51A00	FT BLISS TX	A
TC00057	W1D2AA	USA ADA SCH SR CONCEPTS	MAJ	51A00	FT BLISS TX	A
TC00058	W1D2AA	USA ADA SCH CONCEPTS OFCR	CPT	51A14	FT BLISS TX	A
TC00059	W1D2AA	USA ADA SCH CONCEPTS OFCR	CPT	51A14	FT BLISS TX	A
TC00060	W1D2AA	USA ADA SCH CONCEPTS OFCR	CPT	51A14	FT BLISS TX	A
TC00061	W1D2AA	USA ADA SCH CONCEPTS OFCR	CPT	51A00	FT BLISS TX	A
TC00062	W1D2AA	USA ADA SCH CBT DEV OFF	MAJ	51A00	FT BLISS TX	A
TC00063	W1D4AA	USA OD CTR C, PROP SYS BR	MAJ	51A91	APG MD	A

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
TC00064	W1D4AA	USA OD CTR SR SYS STF OFCR	CPT	51A91	APG MD	A
TC00065	W1D4AA	USA OD CTR SR SYS STF OFCR	CPT	51A91	APG MD	A
TC00066	W1D4AA	USA OD CTR C, LOG SYS BR	MAJ	51A91	APG MD	L
TC00067	W1D4AA	USA OD CTR PROJECT OFFICER	MAJ	51A91	APG MD	A
TC00068	W1D4AA	USA OD CTR PROJECT OFFICER	MAJ	51A91	APG MD	A
TC00069	W1D4AA	USA OD CTR RDT&E OFFICER	CPT	51A12	APG MD	A
TC00070	W1D5AA	USA QM SCH CD STAFF OFFICER	CPT	51A92	FT LEE VA	A
TC00071	W1D5AA	USA QM SCH CD STAFF OFFICER	CPT	51A92	FT LEE VA	A
TC00072	W1D7AA	USATSCH C, MAT DEV & SSD	LTC	51A88	FT EUSTIS VA	A
TC00073	W1D7AA	USATSCH MTR TR T&E MGR	MAJ	51A88	FT EUSTIS VA	T
TC00074	W1D7AA	USATSCH MOTOR TRANS MGR	CPT	51A88	FT EUSTIS VA	A
TC00075	W1D7AA	USATSCH ASST TSM HMMWV	LTC	51A88	FT EUSTIS VA	A
TC00076	W1D7AA	USATSCH ASST TSM FMTV	MAJ	51A88	FT EUSTIS VA	A
TC00077	W1DXAA	USA ARMOR ASST TSM TST	CPT	51A12	FT KNOX KY	A
TC00236	W1DXAA	USA ARMOR C, C4 BRANCH	MAJ	51A12	FT KNOX KY	R
TC00239	W1DXAA	USA ARMOR DCD MAT DEV OFF	LTC	51A12	FT KNOX KY	A
TC00078	W1DXAA	USA ARMOR PROG ANAL (COST)	CPT	51A12	FT KNOX KY	A
TC00080	W1DXAA	USA ARMOR CHIEF TECH BR	MAJ	51A12	FT KNOX KY	A
TC00081	W1DXAA	USA ARMOR MAT DEV OFF SPTEQ	CPT	51A12	FT KNOX KY	A
TC00083	W1DXAA	USA ARMOR MAT DEV OFF ARM	CPT	51A12	FT KNOX KY	A
TC00084	W1DXAA	USA ARMOR MAT DEV OFF ARM	CPT	51A12	FT KNOX KY	A
TC00238	W1DXAA	USA ARMOR T & E OFFICER	CPT	51A12	FT KNOX KY	T
TC00087	W1DXAA	USA ARMOR MAT DEV/SIML OFF	CPT	51A12	FT KNOX KY	A
TC00237	W1DXAA	USA ARMOR C, SLDR SPT BR	MAJ	51A12	FT KNOX KY	A
TC00088	W1DXAA	USA ARMOR MAT DEV OFCR	CPT	51A12	FT KNOX KY	A
SP00040	W1E0AA	USAJFKSWCS DIR, CBT DEVELOP	LTC	53C00	FT BRAGG NC	R
SP00001	W1E0AA	USAJFKSWCS C, SOF SYS ACQ	LTC	51A18	FT BRAGG NC	Z
SP00003	W1E0AA	USAJFKSWCS EVALUATION OFF	CPT	51A25	FT BRAGG NC	T
SP00002	W1E0AA	USAJFKSWCS EVALUATION OFF	CPT	51A25	FT BRAGG NC	T
SP00004	W1E0AA	USAJFKSWCS C, MATERIEL BR	MAJ	51A18	FT BRAGG NC	A
SP00005	W1E0AA	USAJFKSWCS MATL PROJ OFF	CPT	51A92	FT BRAGG NC	A
SP00006	W1E0AA	USAJFKSWCS EVALUATION OFF	CPT	51A18	FT BRAGG NC	T
SP00007	W1E0AA	USAJFKSWCS AVN PROJECT OFF	CPT	51A15	FT BRAGG NC	A
SP00009	W1E0AA	USAJFKSWCS AIR ITEMS PRJ OFF	CPT	51A18	FT BRAGG NC	A
SP00008	W1E0AA	USAJFKSWCS AIR ITEMS PRJ OFF	CPT	51A18	FT BRAGG NC	A
SP00010	W1E0AA	USAJFKSWCS EVALUATION OFF	CPT	51A18	FT BRAGG NC	T
SP00011	W1E0AA	USAJFKSWCS EVALUATION OFF	CPT	51A18	FT BRAGG NC	T
TC00091	W1E1AA	ALMC DEAN, SCH ACQ MGT	COL	51A00	FT LEE VA	A
TC00092	W1E1AA	ALMC CHAIRMAN, ACQ MGT	LTC	97A00	FT LEE VA	X
TC00093	W1E1AA	ALMC PROCUREMENT INSTR	LTC	97A00	FT LEE VA	X
TC00094	W1E1AA	ALMC PROCUREMENT INSTR	LTC	97A00	FT LEE VA	X
TC00095	W1E1AA	ALMC PROCUREMENT INSTR	MAJ	97A00	FT LEE VA	X
TC00096	W1E1AA	ALMC PROCUREMENT INSTR	MAJ	97A00	FT LEE VA	X
TC00099	W1E1AA	ALMC RDT&E INSTRUCTOR	MAJ	51A00	FT LEE VA	X
TC00100	W1E1AA	ALMC ACQ LOG INSTRUCT	MAJ	51A00	FT LEE VA	X
TC00097	W1E1AA	ALMC PROCUREMENT INSTR	MAJ	97A00	FT LEE VA	X
TC00101	W1E1AA	ALMC AUTO STF OFCR	CPT	53B00	FT LEE VA	R
TC00240	W1E1AA	ALMC CD INSTRUCTOR	CPT	51A00	FT LEE VA	X
TC00241	W1E1AA	ALMC CD INSTRUCTOR	CPT	53B00	FT LEE VA	X
TC00102	W1E8AA	USA INT SCH ASST TSM TNG	MAJ	51A35	FT HUACHUCA AZ	A
TC00103	W1E8AA	USA INT SCH ASST TSM LOG	MAJ	51A35	FT HUACHUCA AZ	L
TC00208	W1E8AA	USA INT SCH ASST TSM PERSONNL	CPT	97A35	FT HUACHUCA AZ	A
TC00104	W1E8AA	USA INT SCH ASST TSM PERS	MAJ	51A00	FT HUACHUCA AZ	A
TC00105	W1E8AA	USA INT SCH ASST TSM LOG	MAJ	51A00	FT HUACHUCA AZ	L
TC00106	W1E8AA	USA INT SCH C, INFO MGT OFC	MAJ	53B35	FT HUACHUCA AZ	R
TC00107	W1E8AA	USA INT SCH C, GRND BR	MAJ	51A35	FT HUACHUCA AZ	A
TC00222	W1E8AA	USA INT SCH SYS RQMNTS OFF	CPT	53B35	FT HUACHUCA AZ	A
TC00108	W1E8AA	USA INT SCH MANPRNT COORD	CPT	51A35	FT HUACHUCA AZ	A
TC00109	W1E8AA	USA INT SCH LOG OFCR	CPT	51A92	FT HUACHUCA AZ	A
TC00223	W1E8AA	USA INT SCH SYS RQMNTS OFF	CPT	97A35	FT HUACHUCA AZ	A
TC00110	W1E8AA	USA INT SCH SYS AUTO ENGR	CPT	53B35	FT HUACHUCA AZ	A
TC00113	W1EAAA	MSL MUN CTR C, PROD EVAL	MAJ	51A00	HUNTSVILLE AL	T
MA00001	W1FBAA	USMA DIR, CONTRACTING	LTC	97A00	WEST POINT NY	C
MA00002	W1FBAA	USMA SENIOR ANALYST	MAJ	53B00	WEST POINT NY	S
MA00003	W1FBAA	USMA RESRCH SCIENTIST	CPT	53B00	WEST POINT NY	S
MA00004	W1FBAA	USMA RSCH ANAL	MAJ	51A00	WEST POINT NY	S
MA00005	W1FBAA	USMA RSCH ANAL	MAJ	51A00	WEST POINT NY	S
MA00006	W1FBAA	USMA RSCH ANAL	MAJ	51A00	WEST POINT NY	S
MA00007	W1FBAA	USMA INSTRUCTOR	MAJ	53B00	WEST POINT NY	X
MA00013	W1FBAA	USMA INSTRUCTOR EE	CPT	53B00	WEST POINT NY	X
MA00010	W1FBAA	USMA INSTR/R&D	CPT	51A00	WEST POINT NY	X
MA00009	W1FBAA	USMA INSTR/R&D	CPT	51A00	WEST POINT NY	X
MA00008	W1FBAA	USMA INSTR/R&D	CPT	51A00	WEST POINT NY	X
MA00012	W1FBAA	USMA INSTR/R&D	MAJ	51A00	WEST POINT NY	X
MA00011	W1FBAA	USMA INSTR/R&D	MAJ	51A00	WEST POINT NY	X
DF00107	W1HSAA	DLA DCMCI DEP DIR QUAL MGT	MAJ	97A00	DAYTON OH	H
DF00108	W1HSAA	DLA DCMCI COMMANDER	COL	97A00	DCMAO FRANFRT	C
DF00109	W1HSAA	DLA DCMCI COMMANDER	COL	97A00	DCMAO OTTAWA	C
DF00110	W1HSAA	DLA DCMCI PRG/TECH SPT OFCR	MAJ	97A00	DCMAO OTTAWA	C
DF00111	W1HSAA	DLA DCMCI PRG/TECH SPT OFCR	MAJ	97A00	DCMO RIYADH	C
DF00112	W1HSAA	DLA DCMCI COMMANDER	LTC	97A00	DCMAO TEL AVIV	C
DF00113	W1HSAA	DLA DCMCI COMMANDER	COL	97A00	DCMAO KIMHAE	C
DF00114	W1HSAA	DLA DCMCI COMMANDER	LTC	97A00	DCMAO PR	C
DF00115	W1HSAA	DLA DCMCI COMMANDER	LTC	97A00	DCMO RIYADH	C
DF00262	W1JRAA	DAU EXECUTIVE OFFICER	LTC	53C00	ARLINGTON VA	X
X100228	W1PLAA	USA TMDE ACT PM TMDE	COL	51A00	HUNTSVILLE AL	A
X100229	W1PLAA	USA TMDE ACT APM TMDE FIELDING	MAJ	51A00	HUNTSVILLE AL	A
X100230	W1PLAA	USA TMDE ACT PM TEMOD	LTC	51A00	HUNTSVILLE AL	A
X100231	W1PLAA	USA TMDE ACT PM ATSS	LTC	51A00	HUNTSVILLE AL	A
DF00116	W1Q8AA	DLA DCMDN DIR, PGM/TECH SPT	COL	97A00	DCMD NORTH	C
DF00117	W1Q8AA	DLA DCMDN ASST C, CONTR MGT	MAJ	97A00	DCMAO BOSTON	C
DF00118	W1Q8AA	DLA DCMDN COMMANDER	COL	97A00	DCMAO RAYTHEON	C
DF00119	W1Q8AA	DLA DCMDN PGM INTEGRATOR	MAJ	97A00	DPRO RATHEON	C
DF00120	W1Q8AA	DLA DCMDN COMMANDER	LTC	97A00	DPRO GTE NEEDHAM	C
DF00121	W1Q8AA	DLA DCMDN PGM INTEGRATOR	MAJ	97A00	DPRO GTE	C
DF00123	W1Q8AA	DLA DCMDN PGM INTEGRATOR	MAJ	97A15	CAE LINK	C
DF00124	W1Q8AA	DLA DCMDN COMMANDER	COL	97A00	DCMAO SYRACUSE	C
DF00126	W1Q8AA	DLA DCMDN COMMANDER	LTC	97A00	DPRO KAMAN	C
DF00127	W1Q8AA	DLA DCMDN COMMANDER	COL	97A00	DCMAO NY	C
DF00128	W1Q8AA	DLA DCMDN COMMANDER	COL	97A00	DCMAO GARDEN CTY	C
DF00129	W1Q8AA	DLA DCMDN PGM INTEGRATOR	CPT	97A00	DCMAO GARDN	C
DF00130	W1Q8AA	DLA DCMDN COMMANDER	LTC	97A00	DPRO TEXT LYCOM	C
DF00131	W1Q8AA	DLA DCMDN PGM INTEGRATOR	MAJ	97A00	DPRO TEXT LYCOM	C
DF00132	W1Q8AA	DLA DCMDN PGM INTEGRATOR	MAJ	97A15	DPRO SIKORSKY	C
DF00133	W1Q8AA	DLA DCMDN COMMANDER	COL	97A00	DPRO GE PITTS	C
CZ00024	W1SEAA	USAISC-PTN C, PROJ BR	LTC	53C25	PENTAGON	R
DF00134	W1WKAA	DLA DCMDC COMMANDER	COL	97A00	DCMD N CENTRAL	C
DF00135	W1WKAA	DLA DCMDC ACQ MGT STAFF OFF	MAJ	97A00	DCMD NR CNTRL	C
DF00137	W1WKAA	DLA DCMDC COMMANDER	COL	97A00	DCMAO CHICAGO	C
DF00138	W1WKAA	DLA DCMDC COMMANDER	LTC	97A00	DCMAO MILWAUKEE	C
DF00139	W1WKAA	DLA DCMDC COMMANDER	COL	97A00	DCMAO INDNPLS	C
DF00140	W1WKAA	DLA DCMDC ASST C, P&TS DIV	MAJ	97A00	DCMAO INDNPLS	C
DF00141	W1WKAA	DLA DCMDC ASST C, CONTR MGT	MAJ	97A00	FT B HARRISON IN	C
DF00142	W1WKAA	DLA DCMDC COMMANDER	LTC	97A00	DCMAO GRAND RPDS	C
DF00143	W1WKAA	DLA DCMDC ASST C, CONTR MGT	MAJ	97A00	DCMAO GRAND RPDS	C
DF00144	W1WKAA	DLA DCMDC COMMANDER	LTC	97A00	DCMAO CEDAR RPDS	C
DF00145	W1WKAA	DLA DCMDC ASST C, CONTR MGT	MAJ	97A00	DCMAO CEDAR RPDS	C
DF00146	W1WKAA	DLA DCMDC ASST C, CONTR MGT	MAJ	97A00	DCMAO TWN CITIES	C
DF00147	W1WKAA	DLA DCMDC COMMANDER	LTC	97A00	DPRO HONEYWL ALL	C
DF00148	W1WKAA	DLA DCMDC DEP C, CONTR MGT	CPT	97A00	DPRO HONEYWL	C
DF00150	W1WKAA	DLA DCMDC COMMANDER	COL	97A00	DCMAO ST LOUIS	C
DF00151	W1WKAA	DLA DCMDC COMMANDER	MAJ	97A00	DCMO KANSAS CITY	C
DF00152	W1WLAA	DLA DCMDS C, PGM/TECH SPT	LTC	97A00	DCMD SOUTH	C
DF00153	W1WLAA	DLA DCMDS COMMANDER	COL	97A00	DCMAO BIRMINGHAM	C
DF00155	W1WLAA	DLA DCMDS COMMANDER	LTC	97A00	DCMAO CLEARWATER	C
DF00156	W1WLAA	DLA DCMDS QA FLT OPS OFCR	CPT	97A15	DPRO GRUMMAN	H
DF00157	W1WLAA	DLA DCMDS COMMANDER	LTC	97A00	DPRO MRTN MARIET	C
DF00158	W1WLAA	DLA DCMDS PGM INTEGRATOR	MAJ	97A00	DCMAO ORLANDO	C
DF00159	W1WLAA	DLA DCMDS COMMANDER	MAJ	97A00	DPRO ROCKWELL	C
DF00162	W1WLAA	DLA DCMDS COMMANDER	COL	97A15	DPRO BELL/TEXT	C
DF00163	W1WLAA	DLA DCMDS C, QA FLIGHT OPS	MAJ	97A15	FT WORTH TX	H
DF00164	W1WLAA	DLA DCMDS SYS PROC OFCR	MAJ	97A15	DPRO BELL	C
DF00165	W1WLAA	DLA DCMDS COMMANDER	COL	97A00	DPRO LORAL/VGHT	C
DF00166	W1WLAA	DLA DCMDS COMMANDER	LTC	97A00	DPRO STWRT STEV	C
DF00167	W1WWAA	DLA DCMDW CHIEF OF STAFF	LTC	97A00	DCMD WEST	C
DF00169	W1WWAA	DLA DCMDW PGM INTEGRATOR	CPT	97A00	DCMAO VAN NUYS	C
DF00170	W1WWAA	DLA DCMDW PGM INTEGRATOR	CPT	97A00	DPRO NORTHROP	C
DF00240	W1WWAA	DLA DCMDW COMMANDER	COL	97A00	SAN FRANCISCO CA	C
DF00171	W1WWAA	DLA DCMDW COMMANDER	LTC	97A00	DPRO FMC	C
DF00172	W1WWAA	DLA DCMDW PGM INTEGRATOR	MAJ	97A00	DPRO FMC	C
DF00173	W1WWAA	DLA DCMDW PROCUREMENT OFCR	CPT	97A00	DPRO FMC	C
DF00174	W1WWAA	DLA DCMDW COMMANDER	LTC	97A00	DPRO MCD DOUG HB	C
DF00175	W1WWAA	DLA DCMDW PGM INTEGRATOR	CPT	97A00	DPRO MCD DOUG HB	C
DF00176	W1WWAA	DLA DCMDW C, P&TS DIV	MAJ	97A00	DPRO MCD DOUG HB	C
DF00177	W1WWAA	DLA DCMDW PROCUREMENT OFCR	CPT	97A00	DCMAO EL SEG	C
DF00178	W1WWAA	DLA DCMDW PROCUREMENT OFCR	CPT	97A00	DCMAO SANTA	C
DF00179	W1WWAA	DLA DCMDW C, CONTR MGT DIV	MAJ	97A00	DCMAO SEATTLE	C
DF00180	W1WWAA	DLA DCMDW COMMANDER	LTC	97A00	DCMAO SEATTLE	C
DF00181	W1WWAA	DLA DCMDW PGM INTEGRATOR	CPT	97A00	DPRO HUGHES	C
DF00182	W1WWAA	DLA DCMDW COMMANDER	COL	97A00	DCMAO PHOENIX	C
DF00243	W1WWAA	DLA DCMDW CDR DCMO ALBUQUER	MAJ	97A00	ALBUQUERQUE NM	C
DF00184	W1WWAA	DLA DCMDW COMMANDER	COL	97A15	DPRO MCD DOUG MS	C
DF00185	W1WWAA	DLA DCMDW C, PGM/TECH SPT	LTC	97A15	DPRO MCD DOUG MS	C
DF00186	W1WWAA	DLA DCMDW C, PROGRAM SPT BR	MAJ	97A15	DPRO MCD DOUG AZ	C
DF00188	W1WWAA	DLA DCMDW PGM INTEGRATOR	CPT	97A00	DPRO MCD DOUG AZ	C
SA00068	W1YSAA	OFC ADMIN ASST ASST DIR AR STF	LTC	51A00	PENTAGON	Z
CZ00025	W248AA	USA ISEC DEP COMMANDER	COL	53C25	FT HUACHUCA AZ	A
CZ00034	W248AA	USA ISEC SOFTWARE ENGR	CPT	53B00	FT BELVOIR VA	S
CZ00035	W248AA	USA ISEC SOFTWARE ENGR	CPT	53B00	FT BELVOIR VA	S
CZ00027	W248AA	USA ISEC AUTO SYS ENGR	MAJ	53B00	FT HUACHUCA AZ	R
CZ00030	W248AA	USA ISEC AUTO SYS ENGR	MAJ	53B00	FT HUACHUCA AZ	R
CZ00031	W248AA	USA ISEC AUTO SYS ENGR	MAJ	53B00	FT HUACHUCA AZ	R
CZ00032	W248AA	USA ISEC AUTO SYS ENGR	MAJ	53B00	FT HUACHUCA AZ	R
CZ00033	W248AA	USA ISEC AUTO SYS ENGR	CPT	53B00	FT HUACHUCA AZ	R
CZ00168	W248AA	USA ISEC DIR,TECH INT CTR	COL	53C00	FT HUACHUCA AZ	T
X100232	W262AA	ARL DEP DIR ARL	COL	51A00	ADELPHI MD	A
X100233	W262AA	ARL COORD TECH ACQ	MAJ	51A00	ADELPHI MD	S
X100659	W262AA	ARL R & D COORDINATOR	MAJ	51A00	WEST POINT NY	S
X100636	W262AA	ARL COMM/ELCTRCL ENGR	MAJ	53B25	APG MD	S
X100679	W262AA	ARL (ACIS DIR) COMPUTER SCIEN	CPT	53B00	APG MD	S
X100678	W262AA	ARL (ACIS DIR) COMPUTER SCIEN	CPT	53B00	APG MD	S
X100677	W262AA	ARL (ACIS DIR) COMPUTER SCIEN	CPT	53B00	APG MD	S
X100676	W262AA	ARL (ACIS DIR) COMUPTER SCIEN	CPT	53B00	APG MD	S
X100675	W262AA	ARL (ACIS DIR) COMPUTER SCIEN	CPT	53B00	APG MD	S
X100236	W262AA	ARL SENIOR COMP SCI	LTC	53C00	ATLANTA GA	S
X100238	W262AA	ARL COMPUTER SCIENTIS	MAJ	53B00	ATLANTA GA	S
X100237	W262AA	ARL COMPUTER SCIENTIS	MAJ	53B00	ATLANTA GA	S
X100239	W262AA	ARL SYS AUTO ENGR	CPT	53B00	ATLANTA GA	R
X100240	W262AA	ARL CHIEF/SR COMP SCI	COL	53C00	APG MD	S
X100242	W262AA	ARL SENIOR COMP SCI	LTC	53C00	APG MD	S
X100241	W262AA	ARL COMM/ELE ENGR	MAJ	51A25	APG MD	S
X100244	W262AA	ARL SYS AUTO ENGR	MAJ	53B00	APG MD	S

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
X100243	W262AA	ARL COMPUTER SCIENTIS	CPT	53B00	APG MD	S
X100245	W262AA	ARL MIL DIR R&D COORD	COL	51A00	ADELPHI MD	A
X100235	W262AA	ARL FA TECH OFF	MAJ	51A13	ADELPHI MD	S
X100246	W262AA	ARL MI TECH OFF	MAJ	51A35	ADELPHI MD	S
X100251	W262AA	ARL TECH ASSESS OFF	CPT	51A00	ADELPHI MD	S
X100247	W262AA	ARL AR TECH OFF	MAJ	51A12	ADELPHI MD	S
X100250	W262AA	ARL PRG INTG & ANAL	MAJ	51A00	ADELPHI MD	S
X100248	W262AA	ARL ADA TECH OFF	MAJ	51A14	ADELPHI MD	S
X100249	W262AA	ARL ENGR TECH OFF	MAJ	51A21	ADELPHI MD	S
X100252	W262AA	ARL ATMOSPHERIC RSCH	MAJ	51A13	WSMR NM	S
X100253	W262AA	ARL ELECTRONIC ENGR	CPT	51A25	FT MONMOUTH NJ	S
X100254	W262AA	ARL CBT ARMS TECH MGR	LTC	51A00	APG MD	S
X100258	W262AA	ARL INF TECH MGR	MAJ	51A11	APG MD	S
X100257	W262AA	ARL ROBOTICS ENGR	CPT	51A00	APG MD	S
X100256	W262AA	ARL FA TECH MGR	CPT	51A13	APG MD	S
X100255	W262AA	ARL ELECTRICAL ENGR	MAJ	51A00	APG MD	S
X100259	W262AA	ARL R&D COORDINATOR	CPT	51A35	FT HUACHUCA AZ	S
X100260	W262AA	ARL CHEMIST	CPT	51A74	APG MD	S
X100261	W262AA	ARL CERAMIC ENGR	CPT	51A00	APG MD	S
X100262	W262AA	ARL METALLUR ENGR	CPT	51A00	APG MD	S
X100263	W262AA	ARL MATERIAL SCIENTIS	CPT	51A00	APG MD	S
X100264	W262AA	ARL MATLS SCIENTIST	LTC	51A00	WATERTOWN MA	S
X100265	W262AA	ARL RSCH PHYS	CPT	51A00	WATERTOWN MA	S
X100266	W262AA	ARL PHYSICIST	MAJ	51A00	ADELPHI MD	S
X100267	W262AA	ARL COMPUTER ENGR	CPT	51A25	ADELPHI MD	S
X100270	W262AA	ARL C, EW VUL DIV	COL	51A00	APG MD	A
X100268	W262AA	ARL FA VUL ASSESS OFF	MAJ	51A13	APG MD	S
X100269	W262AA	ARL AV VUL ASSESS OFF	MAJ	51A15	APG MD	S
X100272	W262AA	ARL SR EW VUL ASS OFF	MAJ	51A14	WSMR NM	S
X100271	W262AA	ARL FS TECH OFCR	CPT	51A13	WSMR NM	S
X100273	W262AA	ARL GRND CBT TECH OFF	CPT	51A11	WSMR NM	S
X100274	W262AA	ARL CHEM VULN ASS OFF	MAJ	51A74	APG MD	S
X100275	W262AA	ARL PHYSICIST	CPT	51A00	ADELPHI MD	S
X100276	W262AA	ARL AERO ENGR	CPT	51A15	CLEVELAND OH	S
X100277	W262AA	ARL MECH ENGR	LTC	51A00	CLEVELAND OH	S
X100278	W262AA	ARL AEROSPACE ENGR	MAJ	51A15	LANGLEY VA	S
X100279	W262AA	ARL ENGR PHYS	MAJ	51A00	ADELPHI MD	S
X100283	W262AA	ARL ARMOR TECH MGR	LTC	51A12	APG MD	S
X100280	W262AA	ARL INF TECH MGR	MAJ	51A11	APG MD	S
X100281	W262AA	ARL ARTY TECH MGR	MAJ	51A13	APG MD	S
X100285	W262AA	ARL ADA TECH MGR	MAJ	51A14	APG MD	S
X100282	W262AA	ARL AVN TECH MGR	MAJ	51A15	APG MD	S
X100284	W262AA	ARL AVN TECH MGR	LTC	51A15	APG MD	S
X100234	W262AA	ARL DEP DIR, ADV CNCP	LTC	51A00	ADELPHI MD	S
X100703	W27JAA	STC EUR ENG EQUIP R&D OFF	CPT	51A21	FRANKFT GERMANY	S
X100691	W27JAA	STC EUR ELCTRNICS R&D OFF	CPT	51A25	FRANKFT GERMANY	S
X100702	W27JAA	STC EUR ORDNANCE R&D OFF	CPT	51A91	FRANKFT GERMANY	S
AE00002	W27P01	PEO IEW EXEC OFFICER	MAJ	51A35	WARRENTON VA	A
AE00003	W27P01	PEO IEW ACQ MGMT OFF	LTC	51A35	WARRENTON VA	A
AE00005	W27P01	PEO IEW LNO	LTC	51A35	PENTAGON	A
AE00006	W27P01	PEO IEW LNO	LTC	51A35	PENTAGON	A
AE00007	W27P01	PEO IEW OPERATIONS OFFICE	LTC	51A35	FT MONMOUTH NJ	A
AE00008	W27P01	PEO IEW PM EW RSTA	COL	51A35	FT MONMOUTH NJ	A
AE00011	W27P01	PEO IEW PM GRDRAIL	LTC	51A15	FT MONMOUTH NJ	A
AE00452	W27P01	PEO IEW PM TESAR	LTC	51A35	FT MONMOUTH NJ	A
AE00427	W27P01	PEO IEW APM TESAR	MAJ	51A35	FT MONMOUTH NJ	A
AE00014	W27P01	PEO IEW PM NVEO	COL	51A12	FT BELVOIR VA	A
AE00015	W27P01	PEO IEW T&E OFFICER	MAJ	51A15	FT BELVOIR VA	T
AE00017	W27P01	PEO IEW PM CBT IDENT	COL	51A00	WASHINGTON DC	A
AE00020	W27P01	PEO IEW PM FIREFINDER	LTC	51A13	FT MONMOUTH NJ	A
AE00021	W27P01	PEO IEW PM BCIS	LTC	51A00	WASHINGTON DC	A
AE00022	W27P01	PEO IEW APM BCIS	MAJ	51A00	FT MONMOUTH NJ	A
AE00023	W27P01	PEO IEW PM FAAD GBS	LTC	51A14	HUNTSVILLE AL	A
AE00024	W27P01	PEO IEW APM FAAD GBS	MAJ	51A14	HUNTSVILLE AL	A
AE00025	W27P01	PEO IEW PM SIGWAR	COL	51A35	WARRENTON VA	A
AE00026	W27P01	PEO IEW T&E OFFICER	MAJ	51A35	WARRENTON VA	A
AE00029	W27P01	PEO IEW PM GBCS-HEAVY	LTC	51A35	WARRENTON VA	A
AE00030	W27P01	PEO IEW PM GBCS-LIGHT	LTC	51A35	WARRENTON VA	A
AE00031	W27P01	PEO IEW PM ARL SASS	LTC	51A35	WARRENTON VA	A
AE00032	W27P01	PEO IEW PM JSTARS	COL	51A35	FT MONMOUTH NJ	A
AE00033	W27P01	PEO IEW APM JSTARS	LTC	51A35	HANSOM AFB MA	A
AE00480	W27P01	PEO IEW PM FLIR	LTC	51A00	FT BELVOIR VA	A
AE00481	W27P01	PEO IEW APM FLIR	MAJ	51A00	FT BELVOIR VA	A
AE00410	W27P02	PEO AVN SPCL ASST FOR SIM	COL	51A15	ST LOUIS MO	A
AE00037	W27P02	PEO AVN R&D COORDINATOR	LTC	51A15	ST LOUIS MO	A
AE00038	W27P02	PEO AVN R&D COORDINATOR	LTC	51A15	PENTAGON	A
AE00039	W27P02	PEO AVN R&D COORDINATOR	LTC	51A15	PENTAGON	A
AE00040	W27P02	PEO AVN LNO	MAJ	51A15	PENTAGON	A
AE00041	W27P02	PEO AVN LNO	MAJ	51A15	PENTAGON	A
AE00042	W27P02	PEO AVN PM AAH	COL	51A15	ST LOUIS MO	A
AE00457	W27P02	PEO AVN APM INTNTL OPNS	LTC	51A15	ST LOUIS MO	A
AE00043	W27P02	PEO AVN APM AAH TECHNOLOG	LTC	51A15	ST LOUIS MO	A
AE00477	W27P02	PEO AVN APM INTRNTNL LOG	MAJ	51A15	ST LOUIS MO	A
AE00045	W27P02	PEO AVN APM READINESS	MAJ	51A15	ST LOUIS MO	A
AE00046	W27P02	PEO AVN C, AH-64 MFT	COL	51A15	SEOUL KOREA	A
AE00047	W27P02	PEO AVN PM APCHE MOD	LTC	51A15	ST LOUIS MO	A
AE00050	W27P02	PEO AVN PM KW	COL	51A15	ST LOUIS MO	A
AE00053	W27P02	PEO AVN APM LOG/READINESS	MAJ	51A15	ST LOUIS MO	A
AE00052	W27P02	PEO AVN APM SYS INTGRTN	MAJ	51A15	ST LOUIS MO	T
AE00051	W27P02	PEO AVN APM PROGRAMS	MAJ	97A15	ST LOUIS MO	A
AE00054	W27P02	PEO AVN APM SIMLATION/TNG	MAJ	51A15	ST LOUIS MO	A
AE00055	W27P02	PEO AVN APM MATERIEL FLDG	MAJ	51A15	ST LOUIS MO	A
AE00056	W27P02	PEO AVN PM AEC	COL	97A15	ST LOUIS MO	A
AE00059	W27P02	PEO AVN APM RADAR CNTRMSR	LTC	97A15	ST LOUIS MO	A
AE00058	W27P02	PEO AVN APM E-O LASERS	LTC	51A15	ST LOUIS MO	A
AE00060	W27P02	PEO AVN APM AIAEC	MAJ	51A15	ST LOUIS MO	A
AE00475	W27P02	PEO AVN APM GPS	MAJ	51A15	ST LOUIS MO	A
AE00064	W27P02	PEO AVN APM SPCL AVIONICS	MAJ	51A15	ST LOUIS MO	S
AE00061	W27P02	PEO AVN APM TGT ACQ/EXPCM	CPT	51A15	ST LOUIS MO	A
AE00062	W27P02	PEO AVN APM IR CNTRMSRS	CPT	51A15	ST LOUIS MO	A
AE00063	W27P02	PEO AVN APM ELCTRNC WRFRE	CPT	97A15	ST LOUIS MO	A
AE00458	W27P02	PEO AVN APM COMMUNICATION	CPT	51A15	ST LOUIS MO	A
AE00459	W27P02	PEO AVN APM COMMAND/CONTR	CPT	51A15	ST LOUIS MO	A
AE00453	W27P02	PEO AVN JTCG/ASAO	LTC	97A15	ALEXANDRIA VA	A
AE00419	W27P02	PEO AVN PM AVIONICS	LTC	51A15	ST LOUIS MO	A
AE00065	W27P02	PEO AVN PM UTL HEL	COL	51A15	ST LOUIS MO	A
AE00067	W27P02	PEO AVN APM READINESS	LTC	51A15	ST LOUIS MO	A
AE00068	W27P02	PEO AVN APM PROD UH-60	LTC	97A15	ST LOUIS MO	A
AE00066	W27P02	PEO AVN APM EH-60	MAJ	51A15	ST LOUIS MO	A
AE00069	W27P02	PEO AVN APM RQMTS	MAJ	51A15	ST LOUIS MO	A
AE00070	W27P02	PEO AVN AVN LOG OFCR	MAJ	51A15	ST LOUIS MO	A
AE00071	W27P02	PEO AVN AVN LOG OFCR	MAJ	51A15	ST LOUIS MO	A
AE00072	W27P02	PEO AVN MAINT OFCR	CPT	51A15	ST LOUIS MO	L
AE00074	W27P02	PEO AVN PM CH47 MOD	LTC	51A15	ST LOUIS MO	A
AE00075	W27P02	PEO AVN AVN LOG OFCR	CPT	51A15	ST LOUIS MO	L
AE00078	W27P02	PEO AVN PM LONGBOW	COL	51A15	ST LOUIS MO	A
AE00079	W27P02	PEO AVN APM T&E LNGBW	LTC	51A15	ST LOUIS MO	A
AE00081	W27P02	PEO AVN C, FLDNG/RDNS	MAJ	51A15	ST LOUIS MO	A
AE00456	W27P02	PEO AVN AEROSPACE ENGINEE	MAJ	51A15	ST LOUIS MO	S
AE00082	W27P02	PEO AVN PM LNGBW/APCHE	LTC	51A15	ST LOUIS MO	A
AE00083	W27P02	PEO AVN PM FR CNTRL RADAR	LTC	51A15	ST LOUIS MO	A
AE00084	W27P02	PEO AVN APM RSI CMCH	COL	51A15	ST LOUIS MO	A
AE00085	W27P02	PEO AVN APM COMANCHE T&E	LTC	51A15	ST LOUIS MO	A
AE00086	W27P02	PEO AVN APM MANPRINT	MAJ	51A15	ST LOUIS MO	A
AE00087	W27P02	PEO AVN PROCUREMENT OFCR	MAJ	97A15	ST LOUIS MO	C
AE00088	W27P02	PEO AVN LOG MGT OFCR	MAJ	51A15	ST LOUIS MO	A
AE00089	W27P02	PEO AVN PM T800 ENG	LTC	51A15	ST LOUIS MO	A
AE00090	W27P02	PEO AVN PM COMANCHE CSS	LTC	51A15	ST LOUIS MO	A
AE00091	W27P03	PEO CCS EXEC OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
AE00092	W27P03	PEO CCS OPS OFCR, PEO	LTC	97A25	FT MONMOUTH NJ	A
AE00093	W27P03	PEO CCS OPNS OFCR	LTC	51A25	FT MONMOUTH NJ	A
AE00094	W27P03	PEO CCS SPCL PRJ OFCR	LTC	51A00	FT MONMOUTH NJ	A
AE00095	W27P03	PEO CCS T&E OFFICER	LTC	51A25	FT MONMOUTH NJ	A
AE00096	W27P03	PEO CCS PEO LNO	MAJ	51A25	PENTAGON	A
AE00417	W27P03	PEO CCS DIR ATCCS INTEG O	LTC	53C25	FT HOOD TX	A
AE00097	W27P03	PEO CCS SR PROJ OFCR	CPT	51A35	FT HOOD TX	A
AE00098	W27P03	PEO CCS PM OPTADS	COL	53C25	FT MONMOUTH NJ	A
AE00099	W27P03	PEO CCS INTEROP OFCR	LTC	51A25	FT MONMOUTH NJ	A
AE00100	W27P03	PEO CCS PM STACCS	LTC	51A25	FT MONMOUTH NJ	A
AE00101	W27P03	PEO CCS PM FATDS	COL	51A13	FT MONMOUTH NJ	A
AE00102	W27P03	PEO CCS APM TEST	LTC	51A13	FT MONMOUTH NJ	A
AE00103	W27P03	PEO CCS APM INTEROPERABIL	LTC	51A13	FT MONMOUTH NJ	A
AE00104	W27P03	PEO CCS PRJ OFF FT SILL	MAJ	51A13	FT SILL OK	A
AE00105	W27P03	PEO CCS PM AFATDS	LTC	51A13	FT MONMOUTH NJ	A
AE00108	W27P03	PEO CCS PM CHS	COL	51A25	FT MONMOUTH NJ	A
AE00109	W27P03	PEO CCS PM SICPS	LTC	51A25	FT MONMOUTH NJ	A
AE00110	W27P03	PEO CCS PM CSSCS	COL	53C92	FT BELVOIR VA	A
AE00111	W27P03	PEO CCS TEST INTEROP OFF	LTC	53C92	FT BELVOIR VA	T
AE00112	W27P03	PEO CCS TEST OFFICER	MAJ	51A25	FT BELVOIR VA	T
AE00113	W27P03	PEO CCS PM ADCCS	COL	51A14	HUNTSVILLE AL	A
AE00114	W27P03	PEO CCS PM FAAD C2	LTC	51A14	HUNTSVILLE AL	A
AE00115	W27P03	PEO CCS PM ADI CP	LTC	51A14	HUNTSVILLE AL	A
AE00118	W27P03	PEO CCS PROJECT OFFICER	MAJ	51A00	FT BELVOIR VA	A
AE00117	W27P03	PEO CCS OPNS OFF	MAJ	53C92	FT BELVOIR VA	A
AE00120	W27P03	PEO CCS SYS ACQ OFF	CPT	53B25	FT BELVOIR VA	A
AE00121	W27P03	PEO CCS SYS ACQ OFF	CPT	53B25	FT BELVOIR VA	A
AE00122	W27P03	PEO CCS PM SACCS	LTC	53C25	FT BELVOIR VA	A
AE00123	W27P03	PEO CCS SYS ACQ OFCR	MAJ	53B25	FT BELVOIR VA	A
AE00124	W27P03	PEO CCS PM ASAS	COL	51A35	MCLEAN VA	A
AE00125	W27P03	PEO CCS SFTWRE TST MGR	MAJ	51A35	MCLEAN VA	A
AE00126	W27P03	PEO CCS COMM ARCH OFF	CPT	53B25	MCLEAN VA	A
AE00127	W27P03	PEO CCS SFTWRE EN ASAS	MAJ	53B35	MCLEAN VA	A
AE00128	W27P03	PEO CCS SFTWRE TST MGR	LTC	53C35	MCLEAN VA	A
AE00129	W27P03	PEO CCS C, FLDNG & TNG	MAJ	51A35	MCLEAN VA	A
AE00130	W27P03	PEO CCS TRAINING OFF	MAJ	53B35	MCLEAN VA	A
AE00131	W27P03	PEO CCS SFTW ENGR	MAJ	53B35	MCLEAN VA	A
AE00132	W27P03	PEO CCS C FLDNG TM-EUR	MAJ	51A00	STUTTGART GE	A
AE00133	W27P03	PEO CCS C, FT HOOD FLD OF	LTC	51A35	FT HOOD TX	A
AE00134	W27P03	PEO CCS AES LNO	MAJ	51A35	FT HOOD TX	A
AE00135	W27P03	PEO CCS PM FSIC	LTC	51A25	MCLEAN VA	A
AE00136	W27P03	PEO CCS PM AIM/IDP	LTC	51A35	MCLEAN VA	A
AE00137	W27P03	PEO CCS C PRGM CONT GRP	MAJ	51A35	MCLEAN VA	A
AE00138	W27P03	PEO CCS C, COLL ENCLAVE	LTC	53C35	MCLEAN VA	A
AE00139	W27P03	PEO CCS APM COLTRL ENCLAV	MAJ	51A35	MCLEAN VA	A
AE00140	W27P03	PEO CCS PM CN/CMS	LTC	51A00	MCLEAN VA	A
AE00141	W27P03	PEO CCS DPM CN/CMS	MAJ	53B25	MCLEAN VA	A
AE00142	W27P04	PEO ARM DEP PEO	COL	51A12	PICATINNY NJ	A
AE00462	W27P04	PEO ARM PROJECT OFFICER	MAJ	51A91	PICATINNY NJ	A
AE00143	W27P04	PEO ARM PROJ MGT OFCR	CPT	51A02	PICATINNY NJ	A
AE00144	W27P04	PEO ARM PEO LNO	LTC	51A91	PENTAGON	A
AE00145	W27P04	PEO ARM PEO LNO	MAJ	51A00	PENTAGON	A
AE00146	W27P04	PEO ARM PM SADARM	COL	51A91	PICATINNY NJ	A

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
AE00147	W27P04	PEO ARM APM SADARM INTEGR	LTC	51A13	PICATINNY NJ	A
AE00149	W27P04	PEO ARM APM SADARM INTEG	MAJ	51A91	PICATINNY NJ	A
AE00151	W27P04	PEO ARM PM PALADIN	LTC	51A13	PICATINNY NJ	A
AE00152	W27P04	PEO ARM APM FIELDING	MAJ	51A13	PICATINNY NJ	A
AE00153	W27P04	PEO ARM APM LOG	CPT	51A13	PICATINNY NJ	L
AE00154	W27P04	PEO ARM PM TMAS	COL	51A12	PICATINNY NJ	A
AE00155	W27P04	PEO ARM APM ADV TANK ARM	LTC	51A12	PICATINNY NJ	A
AE00156	W27P04	PEO ARM APM ARM ENHANCEMN	MAJ	51A91	PICATINNY NJ	A
AE00461	W27P04	PEO ARM APM TEST & EVAL	CPT	51A12	PICATINNY NJ	A
AE00158	W27P04	PEO ARM ARM SYS OFCR	CPT	51A91	PICATINNY NJ	A
AE00463	W27P04	PEO ARM APM ARMAMENTS	MAJ	51A91	PICATINNY NJ	A
AE00159	W27P04	PEO ARM PM MCD	COL	51A91	PICATINNY NJ	A
AE00162	W27P05	PEO CS DEP PEO	COL	51A91	WARREN MI	A
AE00163	W27P05	PEO CS APEO INTL OPS/FLD	LTC	97A91	WARREN MI	A
AE00164	W27P05	PEO CS EXEC OFFICER	MAJ	51A91	WARREN MI	A
AE00166	W27P05	PEO CS LNO	LTC	51A00	PENTAGON	A
AE00167	W27P05	PEO CS DPM LTV	LTC	51A00	WARREN MI	A
AE00168	W27P05	PEO CS PRJ OFCR LTV	MAJ	51A88	WARREN MI	A
AE00169	W27P05	PEO CS PRJ OFCR LTV	CPT	51A88	WARREN MI	A
AE00170	W27P05	PEO CS PRJ OFCR LTV	CPT	51A91	WARREN MI	A
AE00171	W27P05	PEO CS PM ESP	LTC	51A00	WARREN MI	A
AE00172	W27P05	PEO CS PRJ OFCR ESP	MAJ	51A91	WARREN MI	A
AE00173	W27P05	PEO CS PM MTV	COL	51A00	WARREN MI	A
AE00174	W27P05	PEO CS PRJ OFCR MTV	MAJ	51A91	WARREN MI	A
AE00175	W27P05	PEO CS PRJ OFCR MTV	CPT	51A88	WARREN MI	A
AE00176	W27P05	PEO CS PRJ OFCR MTV	CPT	51A88	WARREN MI	A
AE00177	W27P05	PEO CS PM HTV	COL	51A00	WARREN MI	A
AE00178	W27P05	PEO CS PRJ OFCR HTV	MAJ	51A91	WARREN MI	A
AE00180	W27P05	PEO CS PRJ OFCR HTV	CPT	51A88	WARREN MI	A
AE00179	W27P05	PEO CS PRJ OFCR HTV	CPT	51A88	WARREN MI	A
AE00185	W27P06	PEO MSL DEF XO, PEO GPALS	MAJ	51A00	WASHINGTON DC	A
AE00186	W27P06	PEO MSL DEF C, PRG COORD & LN	COL	51A00	WASHINGTON DC	A
AE00187	W27P06	PEO MSL DEF SYS COORD SDP	LTC	51A00	WASHINGTON DC	A
AE00188	W27P06	PEO MSL DEF STAFF OFF	LTC	51A00	WASHINGTON DC	A
AE00189	W27P06	PEO MSL DEF PEO LNO	LTC	51A00	PENTAGON	A
AE00190	W27P06	PEO MSL DEF STAFF OFF	LTC	51A00	WASHINGTON DC	A
AE00192	W27P06	PEO MSL DEF STAFF OFFICER	MAJ	51A00	WASHINGTON DC	A
AE00191	W27P06	PEO MSL DEF STAFF OFFICER	MAJ	51A00	WASHINGTON DC	A
AE00194	W27P06	PEO MSL DEF PEO LIAISON OFCR	MAJ	51A00	PENTAGON	A
AE00193	W27P06	PEO MSL DEF STAFF OFFICER	MAJ	51A00	WASHINGTON DC	A
AE00195	W27P06	PEO MSL DEF STAFF OFFICER	MAJ	51A00	WASHINGTON DC	A
AE00196	W27P06	PEO MSL DEF PC CORPS SAM	LTC	51A00	WASHINGTON DC	A
AE00197	W27P06	PEO MSL DEF DEP PEO	COL	51A14	HUNTSVILLE AL	A
AE00467	W27P06	PEO MSL DEF DEP PRGM MGR ATMD	COL	51A00	HUNTSVILLE AL	A
AE00200	W27P06	PEO MSL DEF APM ATMD	CPT	51A00	HUNTSVILLE AL	A
AE00476	W27P06	PEO MSL DEF C, THAAD FLD OFF	MAJ	51A00	HUNTSVILLE AL	G
AE00202	W27P06	PEO MSL DEF PM THAAD	COL	51A00	HUNTSVILLE AL	A
AE00468	W27P06	PEO MSL DEF DEP, MSL ENGR DIV	MAJ	51A00	HUNTSVILLE AL	S
AE00204	W27P06	PEO MSL DEF DEP DIV C, THAAD	LTC	51A00	HUNTSVILLE AL	A
AE00205	W27P06	PEO MSL DEF R&D COORDINATOR	MAJ	51A00	HUNTSVILLE AL	A
AE00465	W27P06	PEO MSL DEF R&D CRD, THAAD LN	CPT	51A00	HUNTSVILLE AL	S
AE00464	W27P06	PEO MSL DEF R&D CRD, BM/C3I	CPT	51A00	HUNTSVILLE AL	S
AE00206	W27P06	PEO MSL DEF PM PATRIOT	COL	51A14	HUNTSVILLE AL	A
AE00207	W27P06	PEO MSL DEF APM SPEC PRGM	LTC	51A00	HUNTSVILLE AL	A
AE00208	W27P06	PEO MSL DEF PROCURE OFFICER	MAJ	97A14	HUNTSVILLE AL	C
AE00184	W27P06	PEO MSL DEF PM ATM	LTC	97A91	HUNTSVILLE AL	A
AE00209	W27P06	PEO MSL DEF APM ATM	MAJ	51A00	HUNTSVILLE AL	A
AE00210	W27P06	PEO MSL DEF PM ERINT	COL	51A00	HUNTSVILLE AL	A
AE00211	W27P06	PEO MSL DEF APM PGM SPT & LOG	LTC	51A00	HUNTSVILLE AL	A
AE00212	W27P06	PEO MSL DEF PM CORPS SAM	COL	51A14	HUNTSVILLE AL	A
AE00213	W27P06	PEO MSL DEF APM PRG INTG	LTC	51A00	HUNTSVILLE AL	A
AE00214	W27P06	PEO MSL DEF APM CORPS SAM	MAJ	51A00	HUNTSVILLE AL	A
AE00215	W27P06	PEO MSL DEF DPM ANMD	COL	51A00	HUNTSVILLE AL	A
AE00466	W27P06	PEO MSL DEF DEP PRJ DIR JTAGS	MAJ	51A00	HUNTSVILLE AL	A
AE00411	W27P06	PEO MSL DEF C,SYS TEST	LTC	51A00	HUNTSVILLE AL	T
AE00216	W27P06	PEO MSL DEF DPM GBI	LTC	51A00	HUNTSVILLE AL	A
AE00217	W27P06	PEO MSL DEF APM PLAN/PRGMS	MAJ	51A00	HUNTSVILLE AL	A
AE00218	W27P06	PEO MSL DEF C, LOG MGT DIV	LTC	51A00	HUNTSVILLE AL	A
AE00221	W27P06	PEO MSL DEF PM GBR	COL	51A00	HUNTSVILLE AL	A
AE00451	W27P06	PEO MSL DEF DPM ROC/COMM	COL	51A00	HUNTSVILLE AL	A
AE00182	W27P06	PEO MSL DEF R&D COORD	CPT	51A14	GERMANY	A
AE00222	W27P06	PEO MSL DEF R&D COORDINATOR	MAJ	51A00	HUNTSVILLE AL	A
AE00223	W27P06	PEO MSL DEF APM SYS INTG GBR	MAJ	51A00	HUNTSVILLE AL	A
AE00224	W27P06	PEO MSL DEF C, TMD	LTC	51A00	HUNTSVILLE AL	A
AE00225	W27P06	PEO MSL DEF SITE DEV OFCR	COL	51A00	HUNTSVILLE AL	A
AE00226	W27P06	PEO MSL DEF C, LOG/ENGR SPT	MAJ	51A00	HUNTSVILLE AL	A
AE00227	W27P07	PEO TACT MSL DEP PEO	COL	51A00	HUNTSVILLE AL	A
AE00229	W27P07	PEO TACT MSL EXEC OFFICER	CPT	51A00	HUNTSVILLE AL	A
AE00230	W27P07	PEO TACT MSL PEO LNO	LTC	51A00	PENTAGON	A
AE00231	W27P07	PEO TACT MSL PEO LNO	LTC	51A00	PENTAGON	A
AE00232	W27P07	PEO TACT MSL PEO LNO	LTC	51A00	PENTAGON	A
AE00234	W27P07	PEO TACT MSL PEO LNO	MAJ	51A00	PENTAGON	A
AE00233	W27P07	PEO TACT MSL PEO LNO	MAJ	51A00	PENTAGON	A
AE00235	W27P07	PEO TACT MSL APEO AD INTG	COL	51A14	HUNTSVILLE AL	A
AE00236	W27P07	PEO TACT MSL STAFF OFF	LTC	51A14	HUNTSVILLE AL	A
AE00237	W27P07	PEO TACT MSL PM JAVELIN	COL	51A00	HUNTSVILLE AL	A
AE00469	W27P07	PEO TACT MSL APM DEV JAVELIN	MAJ	51A11	HUNTSVILLE AL	A
AE00470	W27P07	PEO TACT MSL APM PROD/COST	MAJ	51A11	HUNTSVILLE AL	G
AE00239	W27P07	PEO TACT MSL PM ATACMS	COL	51A00	HUNTSVILLE AL	A
AE00240	W27P07	PEO TACT MSL APM R&D MGR	LTC	51A91	HUNTSVILLE AL	A
AE00241	W27P07	PEO TACT MSL PM BLK II	LTC	51A00	HUNTSVILLE AL	A
AE00242	W27P07	PEO TACT MSL PM AGMS	COL	51A00	HUNTSVILLE AL	A
AE00243	W27P07	PEO TACT MSL APM PROD INTL	LTC	97A91	HUNTSVILLE AL	A
AE00244	W27P07	PEO TACT MSL PM HELLFIRE II	LTC	51A00	HUNTSVILLE AL	A
AE00245	W27P07	PEO TACT MSL TEST OFFICER	MAJ	51A91	HUNTSVILLE AL	A
AE00246	W27P07	PEO TACT MSL APM, AIR-GND MSL	MAJ	97A91	HUNTSVILLE AL	A
AE00418	W27P07	PEO TACT MSL PM LONGBOW/HELLFR	LTC	51A00	HUNTSVILLE AL	A
AE00247	W27P07	PEO TACT MSL PM MLRS	COL	51A00	HUNTSVILLE AL	A
AE00248	W27P07	PEO TACT MSL APM DEV MLRS	MAJ	51A91	HUNTSVILLE AL	A
AE00249	W27P07	PEO TACT MSL PM MLRS SADARM	LTC	51A00	HUNTSVILLE AL	A
AE00251	W27P07	PEO TACT MSL PM REP EUROPE	MAJ	51A91	SECKENHEIM GE	A
AE00252	W27P07	PEO TACT MSL PM TOW	COL	51A00	HUNTSVILLE AL	A
AE00253	W27P07	PEO TACT MSL APM TOW	LTC	51A00	HUNTSVILLE AL	A
AE00255	W27P07	PEO TACT MSL PM STF OFCR	CPT	51A91	HUNTSVILLE AL	A
AE00258	W27P07	PEO TACT MSL PM TOW ITAS	LTC	51A00	HUNTSVILLE AL	A
AE00259	W27P07	PEO TACT MSL PM NLOS CA	COL	51A14	HUNTSVILLE AL	A
AE00260	W27P07	PEO TACT MSL APM DEV NLOS-CA	LTC	51A00	HUNTSVILLE AL	A
AE00261	W27P07	PEO TACT MSL PM TSAM	COL	51A00	W-P AFB OH	A
AE00262	W27P07	PEO TACT MSL PM SISMO	LTC	51A00	HUNTSVILLE AL	A
AE00264	W27P07	PEO TACT MSL PM BAT	COL	51A00	HUNTSVILLE AL	A
AE00265	W27P07	PEO TACT MSL APM INTG BAT	LTC	51A13	HUNTSVILLE AL	A
AE00266	W27P07	PEO TACT MSL APM R&D BAT	LTC	51A13	HUNTSVILLE AL	A
AE00269	W27P07	PEO TACT MSL R&D COORDINATOR	CPT	51A13	HUNTSVILLE AL	A
AE00268	W27P07	PEO TACT MSL R&D COORDINATOR	CPT	51A13	HUNTSVILLE AL	A
AE00273	W27P07	PEO TACT MSL PM AVENGER	COL	51A14	HUNTSVILLE AL	A
AE00421	W27P07	PM GND TO AIR MSL	LTC	51A00	HUNTSVILLE AL	A
AE00270	W27P07	PM ATAM	LTC	51A14	HUNTSVILLE AL	A
AE00274	W27P08	PEO COMM C, FLDN OFFICE	LTC	51A25	FT MONMOUTH NJ	A
AE00275	W27P08	FLDNG OFF	LTC	51A25	FT MONMOUTH NJ	A
AE00471	W27P08	PEO COMM OPNS OFFICER	MAJ	51A25	FT MONMOUTH NJ	S
AE00276	W27P08	PEO COMM OPNS OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
AE00277	W27P08	PEO COMM OPNS OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
AE00278	W27P08	PEO COMM OPS OFCR, PEO	LTC	97A25	PENTAGON	A
AE00280	W27P08	PEO COMM PM GPS	COL	51A25	FT MONMOUTH NJ	A
AE00281	W27P08	PEO COMM PROJECT OFFICER	MAJ	51A25	LOS ANGELES CA	A
AE00282	W27P08	PEO COMM PROJECT OFFICER	MAJ	51A25	LOS ANGELES CA	A
AE00283	W27P08	PEO COMM TST OFCR TMD	CPT	51A25	LOS ANGELES CA	T
AE00284	W27P08	PEO COMM C, GPS READINESS	LTC	97A25	FT MONMOUTH NJ	A
AE00288	W27P08	PEO COMM PM MSCS	COL	97A25	FT MONMOUTH NJ	A
AE00286	W27P08	PEO COMM FLD OFCR MSCS	MAJ	97A25	FT MONMOUTH NJ	A
AE00289	W27P08	PEO COMM APM, PROD MSE	MAJ	97A25	FT MONMOUTH NJ	A
AE00460	W27P08	PEO COMM SYSTEMS OFFICER	CPT	51A25	FT MONMOUTH NJ	S
AE00290	W27P08	PEO COMM FLD OFCR, MSE	LTC	97A25	FT MONMOUTH NJ	A
AE00287	W27P08	PEO COMM PM CMS	LTC	51A25	FT MONMOUTH NJ	A
AE00291	W27P08	PEO COMM PM ADDS	COL	53C25	FT MONMOUTH NJ	A
AE00292	W27P08	PEO COMM DPM JTIDS	LTC	53C25	FT MONMOUTH NJ	A
AE00293	W27P08	PEO COMM C, CALIF FLD OFC	LTC	97A25	LOS ANGELES CA	A
AE00294	W27P08	PEO COMM DPM JTIDS	COL	51A25	HANSCOM AFB MA	A
AE00295	W27P08	PEO COMM TST OFCR JTIDS	MAJ	53B25	HANSCOM AFB MA	A
AE00296	W27P08	PEO COMM FLD OFCR	LTC	97A25	FT MONMOUTH NJ	A
AE00297	W27P08	PEO COMM LOG OFCR ADDS	MAJ	51A25	FT MONMOUTH NJ	A
AE00298	W27P08	PEO COMM PM EPLRS	LTC	53C25	FT MONMOUTH NJ	A
AE00299	W27P08	PEO COMM PM SATCOM	COL	51A25	FT MONMOUTH NJ	A
AE00472	W27P08	PEO COMM FLDNG & TEST OFF	LTC	51A25	FT MONMOUTH NJ	L
AE00300	W27P08	PEO COMM FLD OFCR	MAJ	51A25	FT MONMOUTH NJ	A
AE00301	W27P08	PEO COMM PM TACSAT	LTC	97A25	FT MONMOUTH NJ	A
AE00302	W27P08	PEO COMM PM MILSTAR	COL	51A25	FT MONMOUTH NJ	A
AE00303	W27P08	PEO COMM DEP JTPO, MILSTAR	LTC	51A25	ARLINGTON VA	A
AE00478	W27P08	PEO COMM C, CAL FO MILSTAR	LTC	51A25	LOS ANGELES CA	A
AE00304	W27P08	PEO COMM LNO CAL FO MILSTA	MAJ	51A25	LOS ANGELES CA	A
AE00305	W27P08	PEO COMM PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
AE00302	W27P08	PEO COMM C, MILSTAR READIN	CPT	53B25	FT MONMOUTH NJ	A
AE00307	W27P08	PEO COMM PM SINCGARS	COL	97A25	FT MONMOUTH NJ	A
AE00308	W27P08	PEO COMM C, ITT FLD OFC	LTC	97A25	FT WAYNE IN	A
AE00309	W27P08	PEO COMM C, SINCGARS FLD O	LTC	97A25	TALLAHASSEE FL	A
AE00310	W27P08	PEO COMM PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
AE00311	W27P08	PEO COMM PROJ OFCR SINCGAR	MAJ	97A25	FT MONMOUTH NJ	A
AE00312	W27P08	PEO COMM C, SINCGARS RDNS	LTC	51A25	FT MONMOUTH NJ	A
AE00313	W27P08	PEO COMM PROJ OFFICER	MAJ	51A25	FT MONMOUTH NJ	A
AE00314	W27P10	PEO ASM EXEC OFFICER	MAJ	51A12	WARREN MI	A
AEA0315	W27P10	PEO ASM APEO INT ACQ MGR	LTC	51A00	WARREN MI	A
AE00316	W27P10	PEO ASM PEO LNO	LTC	51A12	PENTAGON	A
AE00317	W27P10	PEO ASM PEO LNO	LTC	51A21	PENTAGON	A
AE00423	W27P10	PEO ASM PEO LNO	MAJ	51A12	PENTAGON	A
AE00319	W27P10	PEO ASM PRODUCTION	LTC	97A91	WARREN MI	A
AE00320	W27P10	PEO ASM R&D COORDINATOR	MAJ	51A12	WARREN MI	A
AE00321	W27P10	PEO ASM R&D COORDINATOR	CPT	51A91	WARREN MI	A
AE00322	W27P10	PEO ASM R&D COORDINATOR	CPT	51A91	WARREN MI	K
AE00323	W27P10	PEO ASM ILS MGR	LTC	51A12	WARREN MI	A
AE00324	W27P10	PEO ASM PEO LOG OFF	MAJ	51A12	WARREN MI	A
AE00325	W27P10	PEO ASM PM ABRAMS	COL	51A12	WARREN MI	A
AE00420	W27P10	PEO ASM PM M1A2	LTC	51A12	WARREN MI	A
AE00326	W27P10	PEO ASM PM M1A1	LTC	51A12	WARREN MI	A
AE00327	W27P10	PEO ASM APM R&D	MAJ	51A91	WARREN MI	A
AE00328	W27P10	PEO ASM APM, READ ADBRAMS	MAJ	97A91	WARREN MI	A
AE00329	W27P10	PEO ASM MAT CHANGE OFCR	MAJ	97A91	WARREN MI	A
AE00330	W27P10	PEO ASM PM BFVS/FIFV	COL	51A11	WARREN MI	A
AE00331	W27P10	PEO ASM PM M2/M3 BFVS	LTC	97A11	WARREN MI	A
AE00332	W27P10	PEO ASM PM C2V	LTC	51A11	WARREN MI	A
AE00424	W27P10	PEO ASM APM C2V BFVS	MAJ	97A11	WARREN MI	A
AE00333	W27P10	PEO ASM APM, M2/M3 BFVS	MAJ	97A02	WARREN MI	A
AE00335	W27P10	PEO ASM BFVS R&D COORD	CPT	51A11	WARREN MI	T

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
AE00336	W27P10	PEO ASM PM AGS	COL	51A12	WARREN MI	A
AE00337	W27P10	PEO ASM PM ARM AGS	LTC	51A12	WARREN MI	A
AE00338	W27P10	PEO ASM APM SYS AGS	MAJ	51A02	WARREN MI	A
AE00339	W27P10	PEO ASM T&E OFFICER	MAJ	51A02	WARREN MI	T
AE00340	W27P10	PEO ASM LOG/FLDG OFF	MAJ	51A02	WARREN MI	A
AE00341	W27P10	PEO ASM PM SURV SYS	COL	51A00	WARREN MI	A
AE00342	W27P10	PEO ASM APM EW	LTC	51A00	WARREN MI	A
AE00344	W27P10	PEO ASM APM ARM SS	MAJ	51A91	WARREN MI	A
AE00343	W27P10	PEO ASM APM NBC SS	MAJ	51A21	WARREN MI	A
AE00345	W27P10	PEO ASM PM CMS	COL	51A21	WARREN MI	A
AE00347	W27P10	PEO ASM PM HVY BRDG	LTC	51A21	WARREN MI	A
AE00346	W27P10	PEO ASM PM IRV	LTC	51A91	WARREN MI	A
AE00348	W27P10	PEO ASM PM M1 BRCH	LTC	51A12	WARREN MI	A
AE00349	W27P10	PEO ASM T&E OFFICER	CPT	51A12	WARREN MI	T
AE00352	W27P10	PEO ASM PM LOS-AT	COL	51A11	HUNTSVILLE AL	A
AE00353	W27P10	PEO ASM PM MSI	LTC	51A91	HUNTSVILLE AL	A
AE00354	W27P10	PEO ASM APM CHASSIS LOSAT	LTC	51A00	WARREN MI	A
AE00355	W27P10	PEO ASM PM FARV-A	COL	51A91	PICATINNY NJ	A
AE00356	W27P10	PEO ASM APM SYSTEMS INTGR	LTC	51A91	PICATINNY NJ	A
AE00357	W27P10	PEO ASM APM LOG/FLD	MAJ	51A91	PICATINNY NJ	A
AE00358	W27P10	PEO ASM APM T&E FARV	MAJ	51A91	PICATINNY NJ	T
AE00359	W27P10	PEO ASM PM AFAS	COL	51A13	PICATINNY NJ	A
AE00360	W27P10	PEO ASM PM ARMS AFAS	LTC	51A13	PICATINNY NJ	A
AE00361	W27P10	PEO ASM PM MUNS AFAS	LTC	51A13	PICATINNY NJ	A
AE00350	W27P10	PEO ASM PM AGAS MOBILITY	LTC	51A13	WARREN MI	A
AE00362	W27P10	PEO ASM PM APM LOG/FLD AFAS	MAJ	51A13	PICATINNY NJ	A
AE00363	W27P10	PEO ASM PM APM T&E AFAS	MAJ	51A13	PICATINNY NJ	A
AE00351	W27P10	PEO ASM PM APM TNG DEV AFAS	MAJ	51A13	PICATINNY NJ	A
AEPP364	W27P11	PEO STAMIS DEP PEO	COL	53C00	FT BELVOIR VA	A
AE00365	W27P11	PEO STAMIS SYS INTGR OF	LTC	53C00	FT BELVOIR VA	A
AE00366	W27P11	PEO STAMIS SYS ACQ OFCR	LTC	53C00	FT BELVOIR VA	A
AE00454	W27P11	PEO STAMIS SYS ACQ OFF	LTC	53C00	FT BELVOIR VA	A
AE00368	W27P11	PEO STAMIS PM TACMIS	COL	53C00	FT BELVOIR VA	A
AE00474	W27P11	PEO STAMIS MATERIEL ACQ OFF	MAJ	53B00	FT BELVOIR VA	A
AE00370	W27P11	PEO STAMIS PM AIT	LTC	53C00	FT BELVOIR VA	A
AE00371	W27P11	PEO STAMIS MAT ACQ OFFICER	MA	J53B00	FT BELVOIR VA	A
AE00372	W27P11	PEO STAMIS MAT ACQ OFFICER	CPT	53B00	FT BELVOIR VA	A
AE00375	W27P11	PEO STAMIS PM CTASC	LTC	53C00	FT BELVOIR VA	A
AE00376	W27P11	PEO STAMIS MAT ACQ OFFICER	MAJ	53B00	FT BELVOIR VA	A
AE00384	W27P11	PEO STAMIS PM SIDPERS	LTC	53C00	FT BELVOIR VA	A
AEOO386	W27P11	PEO STAMIS FIELD T&E OFFICER	MAJ	53B00	FT BELVOIR VA	A
AE00473	W27P11	PEO STAMIS MATERIEL ACQ OFF	MAJ	53B00	FT BELVOIR VA	A
AE00373	W27P11	PEO STAMIS MAT ACQ OFFICER	MAJ	53B00	FT BELVOIR VA	A
AE00374	W27P11	PEO STAMIS MAT ACQ OFFICER	MAJ	53B00	FT BELVOIR VA	A
AE00369	W27P11	PEO STAMIS PROJ OFFICER	MAJ	53B00	FT BELVOIR VA	A
AE00379	W27P11	PEO STAMIS LOG AUTO STF OFCR	LTC	53C03	FT LEE VA	A
AE00382	W27P11	PEO STAMIS AUTO STF OFCR	MAJ	53B00	FT LEE VA	A
AE00380	W27P11	PEO STAMIS PM SAMS	LTC	53C91	FT LEE VA	A
AE00381	W27P11	PEO STAMIS PM SARSS	LTC	53C92	FT LEE VA	A
AEOO383	W27P11	PEO STAMIS DPM JCALS	LTC	53C00	FT MONMOUTH NJ	A
AE00388	W27P11	PEO STAMIS PROJ OFFICER	LTC	53C00	FT BELVOIR VA	A
AE00389	W27P11	PEO STAMIS PROJ OFFICER	LTC	53C25	FT BELVOIR VA	A
AE00391	W27P85	UAV PM UAV-SR	COL	51A00	HUNTSVILLE AL	A
AE00392	W27P85	UAV APM PRGMS	LTC	51A35	HUNTSVILLE AL	A
AE00393	W27P85	UAV APM RQMTS	MAJ	51A35	HUNTSVILLE AL	A
AE00394	W27P85	UAV APM R&D	MAJ	51A35	FT HUACHUCA AZ	A
AE00395	W27P85	UAV PO CLOSE RANGE	LTC	51A00	HUNTSVILLE AL	A
AE00396	W27P85	UAV APM UAV	LTC	51A00	HUNTSVILLE AL	A
AE00422	W27PAA	AAESA PROF OF AVIONICS	COL	51A15	SHRIVENHAM ENG	X
AE00397	W27PAA	AAESA PROJ OFFICER	LTC	53C00	ALEXANDRIA VA	A
AE00398	W27PAA	AAESA C, PROP OFC	LTC	51A00	PENTAGON	X
AE00400	W27PAA	AAESA FA51 PROP OFCR	MAJ	51A00	PENTAGON	X
AE00408	W27PAA	AAESA C, INFO MGT	LTC	53C00	PENTAGON	R
AE00409	W27PAA	AAESA PRJ OFCR AIM	LTC	53C41	FT BELVOIR VA	A
AE00413	W27PAA	AAESA SYS AUTO OFF-AIM	MAJ	53B00	FT BELVOIR VA	A
AE00414	W27PAA	AAESA ADP SYS OFF-AIM	CPT	53B00	FT BELVOIR VA	A
AE00425	W27PAA	AAESA INT DIR BIO DEF	COL	51A74	FAIRFAX VA	A
SB00017	W27PAA	USA RSCH ASSOC MIL ASS, DSB	LTC	51A00	PENTAGON	S
SB00018	W27PAA	USA RSCH ASSOC TECH PRGM MGR	LTC	51A00	ARLINGTON VA	S
SB00019	W27PAA	USA RSCH ASSOC TECH PRGM MGR	LTC	51A00	ARLINGTON VA	S
SB00020	W27PAA	USA RSCH ASSOC TECH PRGM MGR	MAJ	51A00	ARLINGTON VA	S
SB00021	W27PAA	USA RSCH ASSOC TECH PRGM MGR	MAJ	51A00	ARLINGTON VA	S
SB00022	W27PAA	USA RSCH ASSOC TECH PRGM MGR	MAJ	51A00	ARLINGTON VA	S
SB00023	W27PAA	USA RSCH ASSOC TECH PRGM MGR	MAJ	51A00	ARLINGTON VA	S
SB00024	W27PAA	USA RSCH ASSOC TECH PRGM MGR	MAJ	51A00	ARLINGTON VA	S
AE00428	W27PAA	AAESA AAE RESOURCES	CPT	51A00		Z
AE00429	W27PAA	AAESA AAE RESOURCES	CPT	51A00		Z
AE00430	W27PAA	AAESA AAE RESOURCES	CPT	51A00		Z
AE00431	W27PAA	AAESA AAE RESOURCES	CPT	51A00		Z
AE00437	W27PAA	AAESA AAE RESOURCES	LTC	51A00		Z
AE00438	W27PAA	AAESA AAE RESOURCES	COL	51A00		Z
AE00439	W27PAA	AAESA AAE RESOURCES	CPT	53B00		Z
AE00440	W27PAA	AAESA AAE RESOURCES	LTC	53C00		Z
AE00441	W27PAA	AAESA AAE RESOURCES	COL	53C00		Z
AE00449	W27PAA	AAESA AAE RESOURCES	CPT	97A00		Z
AE00450	W27PAA	AAESA AAE RESOURCES	CPT	97A00		Z
AE00426	W27PAA	JPO BIO DEF C, OPNS DIVISION	LTC	51A74	FAIRFAX VA	A
AE00455	W27PAA	JPO BIO DEF ASST DIV C, PRGMS	MAJ	51A74	FAIRFAX VA	A
AE00479	W27PAA	AAESA OSD ACQ REFORM	COL	53A00	PENTAGON	C
X100286	W293AA	AVN APLD TECH EXP TEST PILOT	LTC	51A15	MOFFETT FIELD CA	T
X100287	W293AA	AVN APLD TECH COMMANDER	COL	51A15	FT EUSTIS VA	A
X100288	W293AA	AVN APLD TECH EXP TEST PILOT	LTC	51A15	FT EUSTIS VA	T
X100289	W293AA	AVN APLD TECH EXP TEST PILOT	MAJ	51A15	FT EUSTIS VA	T
X100290	W293AA	AVN APLD TECH PROG MGT OFF	CPT	51A15	FT EUSTIS VA	A
X100292	W2DFAA	USACMDA SYSTEMS ENGINEER	MAJ	51A74	APG MD	S
X100650	W2DFAA	USACMDA PROJECT OFFICER	MAJ	51A74	APG MD	A
X100293	W2DFAA	USACMDA PROCESS ACQ OFF	CPT	51A74	APG MD	A
X100294	W2DFAA	USACMDA PROCESS ACQ OFF	CPT	51A74	APG MD	A
X100667	W2EDAA	STC - FAR EAST ELEC ENGR OFCR	MAJ	53C25	JAPAN	R
X100295	W2EDAA	STC - FAR EAST AV MAT/LOG OF	MAJ	51A15	JAPAN	S
X100296	W2EDAA	STC - FAR EAST ENGR EQPT OF	MAJ	51A21	JAPAN	S
X100297	W2EDAA	STC - FAR EAST GM SYS OFCR	MAJ	51A91	JAPAN	S
X100686	W2EDAA	STC - FAR EAST AMMUNITION OFF	CPT	51A91	JAPAN	S
X100298	W2GJAA	USAMC IG TM C, SYS INS	LTC	51A00	ALEXANDRIA VA	Z
X100649	W2GJAA	USAMC IG INSPECTOR GENERAL	MAJ	97A00	ALEXANDRIA VA	S
X100301	W2GJAA	USAMC IG TM C, PROC INSP	LTC	97A00	ALEXANDRIA VA	C
X100302	W2GJAA	USAMC IG PROC INVESTIGATOR	LTC	97A00	ALEXANDRIA VA	C
SF00005	W2H6AA	ARMY WAR COLL C,COMP SYS ENGR	MAJ	53B00	CARLISLE BAR	X
SF00006	W2H6AA	ARMY WAR COLL DIR, RDA MGT	COL	51A00	CARLISLE BAR	A
TC00114	W2L5AA	USA INF SCH DEP TSM IFS(HVY)	LTC	51A11	FT BENNING GA	A
TC00115	W2L5AA	USA INF SCH ASST TSM NLOS-CA	MAJ	51A11	FT BENNING GA	A
TC00116	W2L5AA	USA INF SCH ASST TSM ITAS	MAJ	51A11	FT BENNING GA	A
TC00117	W2L5AA	USA INF SCH ASST TSM LOSAT	MAJ	51A11	FT BENNING GA	A
TC00118	W2L5AA	USA INF SCH DEP TSM (SOLDIER)	LTC	51A11	FT BENNING GA	A
TC00119	W2L5AA	USA INF SCH SURV/MOB	MAJ	51A11	FT BENNING GA	A
TC00120	W2L5AA	USA INF SCH ASST TSM	CPT	51A11	FT BENNING GA	A
TC00203	W2L5AA	USA INF SCH C, MOBILITY	CPT	97A11	FT BENNING GA	A
TC00220	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	97A11	FT BENNING GA	A
TC00202	W2L5AA	USA INF SCH C, SMALL ARMS	MAJ	97A11	FT BENNING GA	A
TC00219	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	97A11	FT BENNING GA	A
TC00217	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	51A11	FT BENNING GA	A
TC00218	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	53B11	FT BENNING GA	A
TC00200	W2L5AA	USA INF SCH C, CIE/NBC	MAJ	97A11	FT BENNING GA	A
TC00121	W2L5AA	USA INF SCH PROJ OFFICER	CPT	51A11	FT BENNING GA	A
TC00122	W2L5AA	USA INF SCH C, SPID	MAJ	51A11	FT BENNING GA	A
TC00201	W2L5AA	USA INF SCH C, ELEC/SPCL DEV	CPT	53B11	FT BENNING GA	A
TC00215	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	51A11	FT BENNING GA	A
TC00216	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	51A11	FT BENNING GA	A
TC00214	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	53B11	FT BENNING GA	A
TC00199	W2L5AA	USA INF SCH SENIOR PROJ OFF	MAJ	51A11	FT BENNING GA	A
TC00123	W2L5AA	USA INF SCH PROJECT OFFICER	CPT	51A12	FT BENNING GA	A
TC00124	W2L5AA	USA INF SCH C,CMB PWR BAT LAB	MAJ	51A11	FT BENNING GA	A
TC00125	W2NTAA	USA FA SCH ASST TSM	LTC	51A13	FT SILL OK	A
TC00126	W2NTAA	USA FA SCH ASST TSM AFAS	MAJ	51A13	FT SILL OK	A
TC00127	W2NTAA	USA FA SCH ASST TSM PERS/LOG	MAJ	51A13	FT SILL OK	L
TC00128	W2NTAA	USA FA SCH ASST TSM	MAJ	51A13	FT SILL OK	A
TC00129	W2NTAA	USA FA SCH CBT DEV STAFF OFF	MAJ	51A13	FT SILL OK	A
TC00131	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00130	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00132	W2NTAA	USA FA SCH CBT DEV STAFF OFF	MAJ	51A13	FT SILL OK	A
TC00133	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00134	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00135	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00136	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00137	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00138	W2NTAA	USA FA SCH CBT DEV STAFF OFF	MAJ	51A13	FT SILL OK	A
TC00139	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00140	W2NTAA	USA FA SCH CBT DEV STAFF OFF	MAJ	53B13	FT SILL OK	A
TC00141	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00142	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	51A13	FT SILL OK	A
TC00143	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	53B13	FT SILL OK	A
TC00144	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	53B13	FT SILL OK	A
TC00145	W2NTAA	USA FA SCH CBT DEV STAFF OFF	CPT	53B13	FT SILL OK	A
DF00189	W2TZAA	DSS-W COMMANDER	COL	97A00	PENTAGON	C
DF00190	W2TZAA	DSS-W C, ADP CONTR BR	MAJ	97A00	PENTAGON	C
DF00191	W2TZAA	DSS-W C, TELECOM DIV	LTC	97A00	PENTAGON	C
DF00192	W2TZAA	DSS-W C, PROC BR	MAJ	97A00	PENTAGON	C
DF00193	W2TZAA	DSS-W PROCUREMENT OFF	MAJ	97A00	PENTAGON	C
DF00194	W2TZAA	DSS-W C, OVERSIGHT DIV	LTC	97A00	PENTAGON	C
SF00007	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00008	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00009	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00010	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00011	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00012	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00013	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00014	W2USAA	MISS INTEL CTR PROC OFCR	CPT	97A00	HUNTSVILLE AL	C
SF00015	W2USAA	MISS INTEL CTR R&D COORDINATOR	MAJ	51A35	HUNTSVILLE AL	S
SB00001	W2Y2AA	ISSAA OPS OFCR, AQN	LTC	97A00	ALEXANDRIA VA	C
SB00002	W2Y2AA	ISSAA AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	R
SB00004	W2Y2AA	ISSAA AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	R
SB00003	W2Y2AA	ISSAA AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	R
SB00006	W2Y2AA	ISSAA OPNS OFCR	LTC	53C00	ALEXANDRIA VA	A
SB00008	W2Y2AA	ISSAA AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	R
SB00007	W2Y2AA	ISSAA AUTO MGT OFCR	MAJ	53B00	ALEXANDRIA VA	R
SB00009	W2Y2AA	ISSAA PROCUREMENT OFCR	MAJ	97A00	ALEXANDRIA VA	C
X100656	W2ZJAA	STC EUR R&D COLLECT COORD	MAJ	97A35	FRANKFURT GER	A
X100657	W2ZJAA	STC EUR ELECTRNCS R&D OFF	CPT	53B25	FRANKFURT GER	S
X100655	W2ZJAA	STC EUR AVN R & D OFFICER	MAJ	51A15	FRANKFURT GER	S
SB00012	W303AA	USA IG IG INTELL OVRSHT	LTC	51A00	PENTAGON	Z
SB00011	W303AA	USA IG IG INTELL OVRSGT	LTC	51A00	PENTAGON	Z
SB00010	W303AA	USA IG IG INTELL OVRSGT	LTC	51A00	PENTAGON	Z

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
SB00013	W303AA	USA IG PROC INVESTIGATOR	LTC	97A00	PENTAGON	C
SB00014	W303AA	USA IG PROC INVESTIGATOR	LTC	97A00	PENTAGON	C
X100304	W30MAA	USA DPG COMMANDER	COL	51A74	DPG UT	T
X100305	W30MAA	USA DPG DIR MTD	LTC	51A74	DPG UT	T
X100306	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A13	DPG UT	T
X100311	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A74	DPG UT	T
X100310	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A74	DPG UT	T
X100309	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A74	DPG UT	T
X100308	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A74	DPG UT	T
X100312	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A74	DPG UT	T
X100313	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A74	DPG UT	T
X100307	W30MAA	USA DPG TEST PROJ OFF	MAJ	51A74	DPG UT	T
X100315	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A03	DPG UT	T
X100314	W30MAA	USA DPG TEST PROJ OFCR	CPT	51A03	DPG UT	T
X100353	W317AA	STRICOM EXEC OFFICER	MAJ	51A00	ORLANDO FL	A
X100354	W317AA	STRICOM PM ITTS	COL	51A00	ORLANDO FL	A
X100355	W317AA	STRICOM DPM ITTS	LTC	51A00	HUNTSVILLE AL	A
X100356	W317AA	STRICOM PROJECT DIRECTOR	CPT	51A00	ORLANDO FL	T
X100357	W317AA	STRICOM DPM	MAJ	51A00	ORLANDO FL	A
X100358	W317AA	STRICOM DPM ITTS	MAJ	51A00	ORLANDO FL	A
X100359	W317AA	STRICOM APM, TEST & EVAL	MAJ	97A00	ORLANDO FL	A
X100360	W317AA	STRICOM APM, SIMULATORS	MAJ	97A00	ORLANDO FL	A
X100638	W317AA	STRICOM DEP DIR, ATSP	LTC	97A00	HUNTSVILLE AL	A
X100372	W317AA	STRICOM APM	MAJ	51A00	ORLANDO FL	A
X100662	W317AA	STRICOM REQ OFF, ATSP	MAJ	51A00	ORLANDO FL	A
X100361	W317AA	STRICOM APM	MAJ	51A00	ORLANDO FL	A
X100668	W317AA	STRICOM PRJ DIR, ATSP	MAJ	97A00	HUNTSVILLE AL	A
X100669	W317AA	STRICOM RQMNTS OFF, ATP	MAJ	97A00	HUNTSVILLE AL	A
X100362	W317AA	STRICOM PM TRADE	COL	51A00	ORLANDO FL	A
X100363	W317AA	STRICOM PM ACTS	LTC	51A15	ORLANDO FL	A
X100364	W317AA	STRICOM APM	MAJ	51A15	ORLANDO FL	A
X100365	W317AA	STRICOM APM	MAJ	51A15	ORLANDO FL	A
X100366	W317AA	STRICOM APM	MAJ	51A15	ORLANDO FL	A
X100368	W317AA	STRICOM APM	MAJ	51A15	ORLANDO FL	A
X100367	W317AA	STRICOM APM	MAJ	51A15	ORLANDO FL	A
X100369	W317AA	STRICOM APM	MAJ	51A15	ORLANDO FL	A
X100370	W317AA	STRICOM APM	MAJ	51A00	ORLANDO FL	A
X100375	W317AA	STRICOM APM, CS & CSS	MAJ	97A00	ORLANDO FL	A
X100371	W317AA	STRICOM PM CSTS	LTC	51A00	ORLANDO FL	A
X100373	W317AA	STRICOM APM	MAJ	51A14	ORLANDO FL	A
X100374	W317AA	STRICOM APM	MAJ	51A35	ORLANDO FL	A
X100376	W317AA	STRICOM APM, NTC	MAJ	97A12	ORLANDO FL	A
X100661	W317AA	STRICOM PRJ DIR, CSTS	MAJ	51A13	ORLANDO FL	A
X100377	W317AA	STRICOM PM CCTS	LTC	51A00	ORLANDO FL	A
X100378	W317AA	STRICOM APM	MAJ	51A00	ORLANDO FL	A
X100379	W317AA	STRICOM APM	MAJ	51A13	ORLANDO FL	A
X100380	W317AA	STRICOM APM	MAJ	53B00	ORLANDO FL	A
X100382	W317AA	STRICOM APM	MAJ	53B00	ORLANDO FL	A
X100663	W317AA	STRICOM PROJECT DIRECTOR	MAJ	51A11	ORLANDO FL	A
X100664	W317AA	STRICOM PROJECT DIRECTOR	MAJ	51A12	ORLANDO FL	A
X100383	W317AA	STRICOM APM	MAJ	53B00	ORLANDO FL	A
X100384	W317AA	STRICOM APM	MAJ	51A15	HUNTSVILLE AL	A
X100385	W317AA	STRICOM APM, TNG DEVICES	MAJ	97A15	ORLANDO FL	A
X100381	W317AA	STRICOM APM, AR/IN TNG DV	CPT	97A02	ORLANDO FL	A
X100386	W317AA	STRICOM PM CATT	COL	51A00	ORLANDO FL	A
X100645	W317AA	STRICOM APM VIRTUAL BDE	MAJ	51A12	ORLANDO FL	A
X100387	W317AA	STRICOM APM	MAJ	51A11	ORLANDO FL	A
X100388	W317AA	STRICOM PM FAMSIM	LTC	51A00	ORLANDO FL	A
X100389	W317AA	STRICOM APM	LTC	51A00	ORLANDO FL	A
X100390	W317AA	STRICOM APM	MAJ	51A35	ORLANDO FL	A
X100660	W317AA	STRICOM DEP DIR FOR ACQ	LTC	97A00	ORLANDO FL	C
X100633	W317AA	STRICOM PM DIS	COL	51A00	ORLANDO FL	A
X100646	W317AA	STRICOM PD JOINT ACT	MAJ	51A00	ORLANDO FL	A
X100665	W317AA	STRICOM PRJ DIR, MWTB	CPT	51A00	ORLANDO FL	A
X100666	W317AA	STRICOM PRJ DIR, AVTB	CPT	51A00	ORLANDO FL	A
X100671	W317AA	STRICOM PRJ DIR, LAM	MAJ	51A00	ORLANDO FL	A
X100672	W317AA	STRICOM PRJ DIR, ITB	CPT	51A00	ORLANDO FL	A
X100316	W34EAA	CAMO-PAC C, SYS MGT BR	CPT	53B00	HONOLULU HI	R
DF00195	W36NAA	DLA DPSC EUROPE C, CONTR DIV	LTC	97A00	GERMANY	C
DF00196	W36NAA	DLA DPSC EUROPE CONTR OFCR	MAJ	97A00	GERMANY	C
SF00016	W36PAA	USA SPACE PROG DIRECTOR	COL	51A00	FAIRFAX VA	A
SF00017	W36PAA	USA SPACE PROG PROC OFCR	LTC	97A00	ALEXANDRIA VA	C
SF00018	W36PAA	USA SPACE PROG JOINT DPM	LTC	51A00	ALEXANDRIA VA	A
SF00019	W36PAA	USA SPACE PROG PM JT IMAGERY	MAJ	51A35	FAIRFAX VA	A
SF00020	W36PAA	USA SPACE PROG PM IMAG RADAR	CPT	51A00	FAIRFAX VA	S
SF00021	W36PAA	USA SPACE PROG AUTO SYS DV ENG	LTC	53B00	FAIRFAX VA	S
SF00124	W36PAA	USA SPACE PROG SIGINT SYS PROC	LTC	51A00	FAIRFAX VA	A
SF00022	W36PAA	USA SPACE PROG PM CONFIG CNTL	MAJ	51A35	FAIRFAX VA	A
SF00023	W36PAA	USA SPACE PROG SFTW DEV ENGR	MAJ	53B00	FAIRFAX VA	A
SF00024	W36PAA	USA SPACE PROG CONFIG MGR-SIG	CPT	51A25	FAIRFAX VA	S
SF00025	W36PAA	USA SPACE PROG ILS OFF IMAGERY	MAJ	51A00	FAIRFAX VA	L
SF00026	W36PAA	USA SPACE PROG SYSTEMS ENGR	LTC	51A00	ALEXANDRIA VA	A
SF00027	W36PAA	USA SPACE PROG SYS ENGR TENCAP	MAJ	51A00	FAIRFAX VA	A
SF00028	W36PAA	USA SPACE PROG COMM SYS ENGR	MAJ	51A25	FAIRFAX VA	A
SF00029	W36PAA	USA SPACE PROG SR SYS ENGR	MAJ	51A25	FAIRFAX VA	A
SF00030	W36PAA	USA SPACE PROG APM CONTR MGMN	CPT	51A25	LOS ANGELES CA	S
SF00031	W36PAA	USA SPACE PROG SYS DESIGN ENGR	CPT	51A25	FAIRFAX VA	S
X100317	W36WAA	OPM NUC MUN EOD OFCR	MAJ	51A91		A
X100318	W376AA	USA ATTC COMMANDER	COL	51A15	FT RUCKER AL	T
X100319	W376AA	USA ATTC DIR, TEST SPT DIR	LTC	51A15	FT RUCKER AL	T
X100320	W376AA	USA ATTC C, FLT SYS TST	LTC	51A15	FT RUCKER AL	T
X100329	W376AA	USA ATTC EXP TEST PILOT	MAJ	51A15	EDWARDS AFB CA	T
X100321	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	FT RUCKER AL	T
X100323	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	FT RUCKER AL	T
X100322	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	FT RUCKER AL	T
X100632	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	FT RUCKER AL	T
X100324	W376AA	USA ATTC C, FLT TST BR	MAJ	51A15	FT RUCKER AL	T
X100325	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	FT RUCKER AL	T
X100326	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	FT RUCKER AL	T
X100327	W376AA	USA ATTC DIR AQTD EDWDS	LTC	51A15	EDWARDS AFB CA	T
X100328	W376AA	USA ATTC C, FLIGHT TEST	LTC	51A15	EDWARDS AFB CA	T
X100335	W376AA	USA ATTC AERO ENGR	MAJ	51A15	EDWARDS AFB CA	T
X100330	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100331	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100332	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100334	W376AA	USA ATTC EXP TEST PILOT	MAJ	51A15	EDWARDS AFB CA	T
X100337	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100336	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100338	W376AA	USA ATTC C, FLT TST	MAJ	51A15	EDWARDS AFB CA	T
X100333	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100685	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100704	W376AA	USA ATTC EXP TEST PILOT	CPT	51A15	EDWARDS AFB CA	T
X100339	W376AA	USA ATTC C, OPNS DIV	MAJ	51A15	EDWARDS AFB CA	T
X100340	W376AA	USA ATTC C TEST SPT OPNS B	CPT	51A15	EDWARDS AFB CA	T
X100341	W37VAA	ATCOM MRPSC COMMANDER	LTC	97A00	GRANITE CITY IL	C
JA00014	W37WAA	NAT DEF UN DIR OF CONTRACTIN	MAJ	97A00	WASHINGTON DC	C
JA00015	W37WAA	NAT DEF UN MIL FACULTY	COL	51A00	WASHINGTON DC	A
X100342	W39BAQ	USA RSCH ASS DEP DIRECTOR	LTC	51A00	WSMR NM	A
CZ00036	W3BDAA	SDC-LEE COMMANDER	COL	53C00	FT LEE VA	A
CZ00043	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B00	FT LEE VA	S
CZ00037	W3BDAA	SDC-LEE DIR SYS AUTO	LTC	53C00	FT LEE VA	S
CZ00038	W3BDAA	SDC-LEE C, SYS ENGR	MAJ	53B00	FT LEE VA	S
CZ00039	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00047	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C92	FT LEE VA	S
CZ00046	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C92	FT LEE VA	S
CZ00045	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C92	FT LEE VA	S
CZ00049	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00053	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B00	FT LEE VA	S
CZ00054	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00055	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B00	FT LEE VA	S
CZ00056	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00057	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B92	FT LEE VA	S
CZ00058	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B92	FT LEE VA	S
CZ00061	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00065	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00062	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00063	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00066	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00064	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00068	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C91	FT LEE VA	S
CZ00070	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C88	FT LEE VA	S
CZ00069	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C92	FT LEE VA	S
CZ00071	W3BDAA	SDC-LEE SYS AUTO ENGR	LTC	53C88	FT LEE VA	S
CZ00076	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B00	FT LEE VA	S
CZ00078	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B00	FT LEE VA	S
CZ00082	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B92	FT LEE VA	S
CZ00083	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B92	FT LEE VA	S
CZ00072	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00077	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00084	W3BDAA	SDC-LEE SYS AUTO ENGR	MAJ	53B00	FT LEE VA	S
CZ00085	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00088	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00086	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
CZ00087	W3BDAA	SDC-LEE SYS AUTO ENGR	CPT	53B00	FT LEE VA	S
JA00016	W3BMAA	USSPACECOM ASTRONAUTICAL ENG	CPT	51A00	COLORADO SPRINGS	S
JA00017	W3BMAA	USSPACECOM ASTRONAUTICAL ENG	CPT	51A00	COLORADO SPRINGS	S
JA00018	W3BMAA	USSPACECOM C4S SYSTEMS ANAL	MAJ	51A00	COLORADO SPRINGS	R
JA00070	W3BMAA	USSPACECOM BMD WPNS ACQ OFF	MAJ	51A00	COLORADO SPRINGS	A
FC00001	W3E0AA	377 TAACOM PARC, ARCENT	COL	97A00	FT MCPHERSON GA	C
FC00002	W3E0AA	377 TAACOM CONTR OFCR ARCENT	LTC	97A00	FT MCPHERSON GA	C
FC00003	W3E0AA	377 TAACOM CONTRACTING OFCR	MAJ	97A00	ATLANTA GA	C
FC00004	W3E0AA	377 TAACOM CONTRACTING OFCR	MAJ	97A00	ATLANTA GA	C
TC00146	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	51A00	FT EUSTIS VA	S
TC00221	W3E9AA	USATSC MAT ACQ MGT OFF	CPT	51A21	FT EUSTIS VA	S
TC00147	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	51A00	FT EUSTIS VA	S
TC00204	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	97A00	FT EUSTIS VA	S
TC00205	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	97A15	FT EUSTIS VA	S
TC00148	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	51A14	FT EUSTIS VA	A
TC00210	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	97A00	FT EUSTIS VA	S
TC00206	W3E9AA	USATSC MAT ACQ MGT OFF	MAJ	97A12	FT EUSTIS VA	S
JA00019	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00020	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00021	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00022	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00023	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00025	W3GCAA	DSMC PROF SYS ACQ	LTC	53C00	FT BELVOIR VA	X
JA00024	W3GCAA	DSMC PROF SYS ACQ	LTC	53C00	FT BELVOIR VA	X
JA00026	W3GCAA	DSMC PROF SYS ACQ	LTC	53C00	FT BELVOIR VA	X
JA00027	W3GCAA	DSMC PROF SYS ACQ	LTC	53C00	FT BELVOIR VA	X
JA00028	W3GCAA	DSMC PROF SYS ACQ	LTC	97A00	FT BELVOIR VA	X
JA00029	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00030	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
JA00031	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00032	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00033	W3GCAA	DSMC PROF SYS ACQ	LTC	51A00	FT BELVOIR VA	X
JA00034	W3GCAA	DSMC PROF SYS ACQ	LTC	97A00	FT BELVOIR VA	X
JA00035	W3GCAA	DSMC PROF SYS ACQ	LTC	97A00	FT BELVOIR VA	X
JA00036	W3GCAA	DSMC DEAN, COL OPS	COL	51A00	FT BELVOIR VA	A
JA00037	W3GCAA	DSMC DIR, CONTR MGT	LTC	97A00	FT BELVOIR VA	C
JA00038	W3GGAA	JUSMAG KOREA DIR, INTL COOP	COL	51A00	KOREA	A
JA00039	W3GGAA	JUSMAG KOREA C, FMS/DPA	LTC	97A00	KOREA	C
CZ00090	W3H8AA	USAISEC-EUR PRJ OFF TERM/DATA	CPT	53B00	WORMS GERMANY	R
CZ00089	W3H8AA	USAISEC-EUR PROJECT OFFICER	CPT	53B00	WORMS GERMANY	R
CZ00094	W3H8AA	USAISEC-EUR C, TECH SVCS DIV	CPT	53B00	WORMS GERMANY	R
CZ00171	W3H8AA	USAISEC-EUR DIR, AUTO DIRECTO	MAJ	53B00	WORMS GERMANY	R
CZ00091	W3H8AA	USAISEC-EUR DIR, AUTO DIR	MAJ	53B00	WORMS GERMANY	R
CZ00092	W3H8AA	USAISEC-EUR C, MINI/MICRO	MAJ	53B00	WORMS GERMANY	R
CZ00093	W3H8AA	USAISEC-EUR AUTO SYS ENGR	CPT	53B00	WORMS GERMANY	R
X100343	W3JCAA	AMSAA R&D COORDINATOR	MAJ	51A02	APG MD	S
X100344	W3JCAA	AMSAA R&D COORDINATOR	MAJ	51A02	APG MD	S
X100347	W3JCAA	AMSAA SIG R&D COORD	MAJ	51A25	APG MD	S
X100348	W3JCAA	AMSAA R&D COORDINATOR	MAJ	51A02	APG MD	S
X100349	W3JCAA	AMSAA R&D COORDINATOR	MAJ	51A00	APG MD	S
X100350	W3JCAA	AMSAA C&E COORDINATOR	MAJ	51A00	APG MD	S
X100351	W3JCAA	AMSAA R&D COORDINATOR	MAJ	51A00	APG MD	S
X100352	W3JCAA	AMSAA R&D COORDINATOR	MAJ	51A03	APG MD	S
JA00040	W3LBAA	TRANSCOM CMD ACQ OFCR	MAJ	97A00	SCOTT AFB IL	C
JA00042	W3LBAA	TRANSCOM C, SYS INTGRTN BR	LTC	53C00	SCOTT AFB IL	R
JA00043	W3LBAA	TRANSCOM C, SYS SPT BR	LTC	53A25	SCOTT AFB IL	R
JA00044	W3LBAA	TRANSCOM AUTO MGT STF OFCR	MAJ	53B00	SCOTT AFB IL	R
JA00041	W3LBAA	TRANSCOM SYS AUTO OFCR	LTC	53C00	SCOTT AFB IL	R
DF00198	W3NRAA	HQ DEF MAP AGCY WPN SYS SP MGR	LTC	51A00	WASHINGTON DC	S
DJ00001	W3P2AA	USA ELE SOCOM PM SOA	LTC	51A15	ST LOUIS MO	A
DJ00002	W3P2AA	USA ELE SOCOM C, OT&E	COL	51A00	MCDILL AFB FL	T
DJ00008	W3P2AA	USA ELE SOCOM DIR, PROCUREMENT	COL	97A00	MCDILL AFB FL	C
DJ00010	W3P2AA	USA ELE SOCOM PROCUREMENT OFF	MAJ	97A00	MCDILL AFB FL	C
DJ00009	W3P2AA	USA ELE SOCOM C, PROCUREMENT	LTC	97A00	MCDILL AFB FL	C
DJ00007	W3P2AA	USA ELE SOCOM C, POL & LOG DIV	MAJ	51A00	MCDILL AFB FL	A
DJ00004	W3P2AA	USA ELE SOCOM DEP, PRGM INTGTN	MAJ	51A00	MCDILL AFB FL	A
DJ00011	W3P2AA	USA ELE SOCOM CONTRACT OFFICER	MAJ	97A00	MCDILL AFB FL	C
DJ00005	W3P2AA	USA ELE SOCOM SYS ACQ MANAGER	MAJ	51A11	MCDILL AFB FL	A
DJ00006	W3P2AA	USA ELE SOCOM C, ROTARY WNG BR	LTC	51A15	MCDILL AFB FL	S
DJ00003	W3P2AA	USA ELE SOCOM PEO SPEC PRGMS	COL	51A00	MCDILL AFB FL	A
SF00068	W3Q2AA	OPTEC PROCUREMENT OFF	MAJ	97A00	FT HOOD TX	C
SF00130	W3Q2AA	OPTEC PLANS OFFICER	CPT	53A00	ALEXANDRIA VA	A
SF00033	W3Q2AA	OPTEC C, TST MGT DIV	LTC	51A15	ALEXANDRIA VA	T
SF00131	W3Q2AA	OPTEC TEST & EVAL OFF	MAJ	51A00	ALEXANDRIA VA	T
SF00034	W3Q2AA	OPTEC C, INST DIV	LTC	51A25	ALEXANDRIA VA	T
SF00035	W3Q2AA	OPTEC INSTRUMENT OFF	MAJ	51A13	ALEXANDRIA VA	T
SF00036	W3Q2AA	OPTEC INSTRUMENT OFF	CPT	51A15	ALEXANDRIA VA	T
SF00037	W3Q2AA	OPTEC DCSIM	COL	53C25	ALEXANDRIA VA	R
SF00038	W3Q2AA	OPTEC ADP OFFICER	CPT	53B00	ALEXANDRIA VA	R
SF00041	W3Q2AA	OPTEC ADP OFFICER	CPT	53B00	ALEXANDRIA VA	R
SF00040	W3Q2AA	OPTEC ADP OFFICER	CPT	53B00	ALEXANDRIA VA	R
SF00039	W3Q2AA	OPTEC SUPV ADP	MAJ	53B25	ALEXANDRIA VA	R
SF00135	W3Q2AA	OPTEC TEST & EVAL OFF	CPT	97A00	FT BENNING GA	T
SF00136	W3Q2AA	OPTEC TEST & EVAL OFF	CPT	53B00	FT KNOX KY	T
SF00137	W3Q2AA	OPTEC TEST & EVAL OFF	CPT	53B00	FT SILL OK	T
SF00042	W3Q2AA	OPTEC C, CONTRACTS DIV	CPT	97A00	ALEXANDRIA VA	C
SF00045	W3Q2AA	OPTEC C, AD EVAL DIV	LTC	51A14	ALEXANDRIA VA	T
SF00046	W3Q2AA	OPTEC EVAL OFFICER	MAJ	51A14	ALBUQUERQUE NM	T
SF00047	W3Q2AA	OPTEC EVAL OFFICER	MAJ	51A12	ALEXANDRIA VA	T
SF00048	W3Q2AA	OPTEC C, INF/SO EVAL DI	LTC	51A11	ALEXANDRIA VA	T
SF00050	W3Q2AA	OPTEC EVAL OFFICER	CPT	51A12	ALEXANDRIA VA	T
SF00049	W3Q2AA	OPTEC EVAL OFFICER	MAJ	53B00	ALEXANDRIA VA	T
SF00051	W3Q2AA	OPTEC C, COM SYS EVAL D	LTC	51A25	ALEXANDRIA VA	T
SF00129	W3Q2AA	OPTEC ILS ANALYST	CPT	51A00	ALEXANDRIA VA	L
SF00052	W3Q2AA	OPTEC EVAL OFF	MAJ	51A88	ALEXANDRIA VA	T
SF00126	W3Q2AA	OPTEC EVALUATION OFFICE	CPT	53B92	ALEXANDRIA VA	T
SF00053	W3Q2AA	OPTEC EVAL OFFICER	MAJ	51A91	ALEXANDRIA VA	T
SF00127	W3Q2AA	OPTEC EVALUATION OFFIDE	MAJ	51A74	ALEXANDRIA VA	T
SF00054	W3Q2AA	OPTEC C, RKT/MSL EVAL	LTC	51A13	ALEXANDRIA VA	T
SF00055	W3Q2AA	OPTEC EVAL OFFICER	MAJ	51A13	ALEXANDRIA VA	T
SF00056	W3Q2AA	OPTEC SFTW ANALYST	MAJ	53B00	ALEXANDRIA VA	T
SF00057	W3Q2AA	OPTEC C, PROC EVAL DIV	LTC	51A35	ALEXANDRIA VA	T
SF00058	W3Q2AA	OPTEC ACQ OFFICER	MAJ	51A35	ALEXANDRIA VA	T
SF00059	W3Q2AA	OPTEC S/W ANALYST	LTC	53C00	ALEXANDRIA VA	T
SF00060	W3Q2AA	OPTEC C, SUST EVAL DIV	LTC	53C00	ALEXANDRIA VA	T
SF00061	W3Q2AA	OPTEC C, TAC EVAL DIV	LTC	53C00	ALEXANDRIA VA	T
SF00043	W3Q2AA	OPTEC C, AV EVAL DIV	LTC	51A15	ALEXANDRIA VA	T
SF00044	W3Q2AA	OPTEC EVALUATION OFF	MAJ	51A15	ALEXANDRIA VA	T
SF00062	W3Q2AA	OPTEC C, PLANS DIV	LTC	51A00	FT HOOD TX	A
SA00099	W3Q2AA	OPTEC ADP OFFICER	MAJ	53B00	FT HOOD TX	R
SF00064	W3Q2AA	OPTEC ADP OFFICER	CPT	53B00	FT HOOD TX	R
SF00063	W3Q2AA	OPTEC ADP OFFICER	CPT	53B00	FT HOOD TX	R
SF00065	W3Q2AA	OPTEC ADP OFFICER	CPT	53B25	FT HOOD TX	R
SF00066	W3Q2AA	OPTEC C, SOFTWARE DIV	MAJ	53B00	FT HOOD TX	R
SF00073	W3Q2AA	OPTEC ADP OFFICER	CPT	53B00	FT HOOD TX	R
SF00067	W3Q2AA	OPTEC C, CUSTOMER SPT D	LTC	97A00	FT HOOD TX	C
SF00069	W3Q2AA	OPTEC C, TEST SPT BR	MAJ	51A00	FT HOOD TX	A
SF00072	W3Q2AA	OPTEC INSTRUMENT OFF	CPT	51A00	FT HOOD TX	T
SF00080	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A13	FT HOOD TX	T
SF00142	W3Q2AA	OPTEC TEST OFFICER	CPT	51A13	FT HOOD TX	T
SF00081	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00141	W3Q2AA	OPTEC TEST OFFICER	CPT	51A00	FT HOOD TX	T
SF00077	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A02	FT HOOD TX	T
SF00070	W3Q2AA	OPTEC TEST OFFICER	CPT	51A02	FT HOOD TX	T
SF00076	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A02	FT HOOD TX	T
SF00071	W3Q2AA	OPTEC TEST OFFICER	CPT	51A00	FT HOOD TX	T
SF00079	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A02	FT HOOD TX	T
SF00078	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A02	FT HOOD TX	T
SF00138	W3Q2AA	OPTEC TEST OFFICER	CPT	51A02	FT HOOD TX	T
SF00082	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00085	W3Q2AA	OPTEC TEST OFFICER	CPT	51A88	FT HOOD TX	T
SF00086	W3Q2AA	OPTEC TEST OFFICER	CPT	51A91	FT HOOD TX	T
SF00083	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00087	W3Q2AA	OPTEC TEST OFFICER	CPT	51A31	FT HOOD TX	T
SF00084	W3Q2AA	OPTEC TEST OFFICER	CPT	51A00	FT HOOD TX	T
SF00128	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00074	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00088	W3Q2AA	OPTEC TEST OFFICER	CPT	51A00	FT HOOD TX	T
SF00133	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00089	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A02	FT HOOD TX	T
SF00102	W3Q2AA	OPTEC TEST OFFICER	CPT	51A02	FT BLISS TX	T
SF00091	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A02	FT HOOD TX	T
SF00092	W3Q2AA	OPTEC TEST OFFICER	CPT	51A02	FT HOOD TX	T
SF00090	W3Q2AA	OPTEC TEST OFFICER	CPT	51A15	FT HOOD TX	T
SF00093	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A15	FT HOOD TX	T
SF00134	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A15	FT HOOD TX	T
SF00094	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A88	FT HOOD TX	T
SF00075	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A91	FT HOOD TX	T
SF00104	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A25	FT HOOD TX	T
SF00095	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A00	FT HOOD TX	T
SF00140	W3Q2AA	OPTEC TEST OFFICER	CPT	51A00	FT SILL OK	T
SF00097	W3Q2AA	OPTEC TEST OFFICER	CPT	51A18	FT BRAGG NC	T
SF00096	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A18	FT BRAGG NC	T
SF00132	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A15	FT HUACHUCA AZ	T
SF00098	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A35	FT HUACHUCA AZ	T
SF00099	W3Q2AA	OPTEC TEST OFFICER	CPT	51A35	FT HUACHUCA AZ	T
SF00100	W3Q2AA	OPTEC TEST OFFICER	MAJ	51A35	FT HUACHUCA AZ	T
SF00101	W3Q2AA	OPTEC TEST OFFICER	CPT	51A14	FT BLISS TX	T
SF00139	W3Q2AA	OPTEC TEST OFFICER	CPT	51A14	FT BLISS TX	T
SF00105	W3Q2AA	OPTEC C, OPNS RES TNG	LTC	51A00	JOLON CA	T
SF00103	W3Q2AA	OPTEC C, TEST TM #1	LTC	51A00	JOLON CA	T
SF00106	W3Q2AA	OPTEC SR TEST OFFICER	MAJ	51A02	JOLON CA	T
SF00107	W3Q2AA	OPTEC C, TEST COMP SYS	MAJ	53B00	JOLON CA	T
SF00109	W3Q2AA	OPTEC C, TEST COMP OPS	MAJ	53B00	JOLON CA	T
SF00110	W3Q2AA	OPTEC C, TEST ENG BR	MAJ	51A25	JOLON CA	T
SF00111	W3Q2AA	OPTEC ELECTRICAL ENGR	CPT	51A25	JOLON CA	T
SF00112	W3Q2AA	OPTEC ELECTRICAL ENGR	CPT	51A25	JOLON CA	T
MP00004	W3VSAA	PERSCOM AAC SCHOOLS OFCR	CPT	51A00	ALEXANDRIA VA	X
MP00005	W3VSAA	PERSCOM AAC BOARDS OFCR	CPT	51A00	ALEXANDRIA VA	X
MP00006	W3VSAA	PERSCOM AAC SYS MGR	CPT	53B00	ALEXANDRIA VA	R
MP00011	W3VSAA	PERSCOM COL ASGN OFCR,AAC	LTC	51A00	ALEXANDRIA VA	X
MP00002	W3VSAA	PERSCOM ART INT ANLY/KE	MAJ	53B00	ALEXANDRIA VA	R
MP00003	W3VSAA	PERSCOM ART INT ANLY/KE	MAJ	53B00	ALEXANDRIA VA	R
MP00012	W3VSAA	PERSCOM C, MIL ACQ MGT BR	LTC	51A00	ALEXANDRIA VA	X
MP00009	W3VSAA	PERSCOM PERS ASGN OFCR	MAJ	51A00	ALEXANDRIA VA	X
MP00010	W3VSAA	PERSCOM PERS ASGN OFCR	MAJ	51A00	ALEXANDRIA VA	X
MP00007	W3VSAA	PERSCOM PERS ASGN OFCR	MAJ	53B00	ALEXANDRIA VA	X
MP00008	W3VSAA	PERSCOM PERS ASGN OFCR	MAJ	97A00	ALEXANDRIA VA	X
MP00013	W3VSAA	PERSCOM C, ACAP ACQ BR	MAJ	53B00	ALEXANDRIA VA	R
MP00014	W3VSAA	PERSCOM SOFTWARE ENGR	MAJ	53B00	ALEXANDRIA VA	T
MP00001	W3VSAA	PERSCOM GO ACQ MGR (GOMO)	MAJ	53B00	PENTAGON	X
MP00017	W3VSAA	PERSCOM FUTURE REDNSS OFF	CPT	53B00	ALEXANDRIA VA	R
MP00015	W3VSAA	PERSCOM FUT READINESS OFF	CPT	51A00	ALEXANDRIA VA	X
MP00016	W3VSAA	PERSCOM 51/CPT ASNMNT OFF	CPT	51A00	ALEXANDRIA VA	X
DF00199	W3VVAA	DISA DECO C, RECOMPETE BR	MAJ	97A00	SCOTT AFB IL	C
DF00264	W3VVAA	DISA DECO C,CMD/AGCY PROC D	CPT	97A00	SCOTT AFB IL	C
TC00234	W3XTAA	CASCOM R & D COORDINATOR	CPT	51A91	FT LEE VA	A
TC00235	W3XTAA	CASCOM CBT DEV CRD -AMMO	CPT	51A91	FT LEE VA	A
TC00213	W3XTAA	CASCOM R & D OFFICER	CPT	53B92	FT LEE VA	A
TC00197	W3XTAA	CASCOM CD STAFF OFFICER	MAJ	97A91	FT LEE VA	A
TC00198	W3XTAA	CASCOM CD STAFF OFFICER	CPT	97A91	FT LEE VA	A
TC00207	W3XTAA	CASCOM CD STAFF OFF	CPT	97A00	FT LEE VA	A
FC00005	W3YBAA	HQ FORSCOM PARC, FORSCOM	COL	97A00	FT MCPHERSON GA	C
FC00006	W3YBAA	HQ FORSCOM PROC STAFF OFCR	LTC	97A00	FT MCPHERSON GA	C
FC00007	W3YBAA	HQ FORSCOM PROC STAFF OFCR	MAJ	97A00	FT MCPHERSON GA	C
TC00149	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A00	FT MONROE VA	A
TC00150	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A03	FT MONROE VA	A
TC00151	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A02	FT MONROE VA	A
TC00152	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A12	FT MONROE VA	A
TC00153	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A35	FT MONROE VA	A
TC00154	W3YTAA	HQ TRADOC CBT DEV STAFF OFF	CPT	51A00	FT MONROE VA	A
TC00155	W3YTAA	HQ TRADOC CBT DEV STAFF OFF	CPT	51A00	FT MONROE VA	A
TC00156	W3YTAA	HQ TRADOC CBT DEV STAFF OFF	CPT	51A00	FT MONROE VA	A
TC00157	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A00	FT MONROE VA	A
TC00159	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A00	FT MONROE VA	A
TC00158	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A00	FT MONROE VA	A
TC00160	W3YTAA	HQ TRADOC C, MOD DIV	LTC	51A00	FT MONROE VA	A
TC00161	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A12	FT MONROE VA	A
TC00162	W3YTAA	HQ TRADOC C, ADV SYS DEV DI	LTC	51A00	FT MONROE VA	A
TC00163	W3YTAA	HQ TRADOC CBT DEV STAFF OFF	CPT	51A11	FT MONROE VA	A
TC00164	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A18	FT MONROE VA	A

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
TC00165	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A13	FT MONROE VA	A
TC00166	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A14	FT MONROE VA	A
TC00167	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A14	FT MONROE VA	A
TC00168	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A21	FT MONROE VA	A
TC00169	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A91	FT MONROE VA	A
TC00170	W3YTAA	HQ TRADOC CBT DEV COORD	MAJ	51A92	FT MONROE VA	A
TC00171	W3YTAA	HQ TRADOC C, TAMD	LTC	51A00	FT MONROE VA	A
TC00172	W3YTAA	HQ TRADOC PARC/DIR ACQ	COL	97A00	FT MONROE VA	C
TC00173	W3YTAA	HQ TRADOC C, RQT/ACQ MGT BR	LTC	97A00	FT MONROE VA	C
DF00200	W40JAA	DEF SEC ASST AG SEC ASST PM	LTC	53C00	PENTAGON	S
DF00201	W40JAA	DEF SEC ASST AG SEC ASST ANAL	MAJ	97A00	PENTAGON	C
TC00212	W439AA	AVN LOG SCHOOL MAT SYS MGR	CPT	51A15	FT EUSTIS VA	A
TC00196	W439AA	AVN LOG SCH C, CON&STDIES DIV	CPT	97A15	FT EUSTIS VA	L
TC00211	W439AA	AVN LOG SCHOOL MAT C & S MGR	CPT	53B15	FT EUSTIS VA	L
X100652	W43TAA	AMC LOG SPT ACT LOG STAFF OFF	MAJ	97A00	HUNTSVILLE AL	L
X100682	W43TAA	AAMC LOG SPT ACT LOG STAFF OFF	CPT	51A00	HUNTSVILLE AL	L
X100683	W43TAA	AMC LOG SPT ACT LOG STAFF OFF	CPT	51A00	HUNTSVILLE AL	L
X100684	W43TAA	AMC LOG SPT ACT LOG STAFF OFF	CPT	51A00	HUNTSVILLE AL	L
X100711	W43TAA	AMC LOG SPT ACT LOG STAFF OFF	CPT	51A00	HUNTSVILLE AL	T
X100681	W43TAA	AMC LOG SPT ACT LOG STAFF OFF	CPT	51A00	HUNTSVILLE AL	L
DF00202	W44MAA	DISA SYS ACQ PLN OFF	LTC	53C00	STERLING VA	R
SS00001	W44SAA	USATEMA T&E STF OFCR	LTC	51A00	PENTAGON	T
SF00125	W44SAA	USATEMA T&E STAFF OFFICER	MAJ	51A00	PENTAGON	T
SP00044	W45VAA	USASOC CONTRACTING OFF	MAJ	97A00	FT BRAGG NC	C
DF00203	W46HAA	USA ELE DARPA TECH ACQ MGR	LTC	51A00	ARLINGTON VA	S
DF00204	W46HAA	USA ELE DARPA TECH ACQ MGR	LTC	51A00	ARLINGTON VA	S
SP00047	W470AA	TECH APP PM TAP PO TECH APP SO	LTC	97A00	FT EUSTIS VA	A
SP00048	W470AA	TECH APP PM TAP DPM TECH APP	MAJ	51A15	FT EUSTIS, VA	A
SP00012	W470AA	TECH APP PM TAP APM MH60	MAJ	51A15	ATCOM ST LOU MO	A
SP00049	W470AA	TECH APP PM TAP APM MH60	MAJ	97A15	ATCOM ST LOU MO	A
SP00013	W470AA	TECH APP PM TAP MH-47 TECH OPS	CPT	51A15	ATCOM ST LOU MO	S
SP00015	W470AA	SOA PM APM ELECTRONICS	MAJ	51A15	ATCOM ST LOU MO	A
SP00014	W470AA	SOA PM APM RD&A SOA	MAJ	51A15	ATCOM ST LOU MO	A
FC00060	W47AAA	USARC ASST IG	MAJ	97A00	ATLANTA GA	C
DF00205	W47BAA	DEF COM AGCY PROCUREMENT OFCR	MAJ	97A00	FT LEE VA	C
DF00239	W47BAA	DEF COM AGCY INFO RES OFF	LTC	53C00	FT LEE VA	A
FC00009	W47TAA	HQ CBT EQPT C, CONTR DIV	LTC	97A00	KUWAIT	C
FC00010	W47TAA	HQ CBT EQPT CONTRACTING OFCR	MAJ	97A00	KUWAIT	C
FC00062	W47TAA	HQ CBT EQPT CONTRACTING OFF	MAJ	97A00	KUWAIT	C
FC00063	W47TAA	HQ CBT EQPT CONTRACTING OFF	MAJ	97A00	KUWAIT	C
FC00011	W47TAA	HQ CBT EQPT CONTRACTING OFCR	CPT	97A00	KUWAIT	C
SA00069	W48GAA	IIAC DEPUTY DIRECTOR	COL	53C00	WASHINGTON DC	A
SA00070	W48GAA	IIAC INFO SYSTEMS ANAL	MAJ	53B00	WASHINGTON DC	R
SA00071	W48GAA	IIAC INFO SYSTEMS ANAL	MAJ	53B00	WASHINGTON DC	R
SA00096	W48GAA	IIAC INFO SYS ANAL	MAJ	53B25	WASHINGTON DC	R
SA00094	W48GAA	IIAC INFO SYS ANAL	LTC	53C25	WASHINGTON DC	R
SA00095	W48GAA	IIAC INFO SYS ANAL	MAJ	53B25	WASHINGTON DC	R
SA00097	W48GAA	IIAC INFO SYS ANAL	MAJ	53B25	WASHINGTON DC	R
SA00098	W48GAA	IIAC INFO SYS ANAL	MAJ	53B25	WASHINGTON DC	R
FC00013	W48MAA	HQ SW ASIA CONTRACTING OFCR	MAJ	97A00	SAUDI ARABIA	C
FC00014	W48MAA	HQ SW ASIA CONTRACTING OFCR	CPT	97A00	SAUDI ARABIA	C
JA00045	W4ADAA	USCINCPAC THEATER ADP PL OF	MAJ	53B00	CAMP SMITH HI	R
JA00046	W4ADAA	USCINCPAC ADP PLANS OFF	MAJ	53B00	CAMP SMITH HI	R
TC00224	W4AEAA	TRAC SYS AUTO ENGINEER	MAJ	53B00	TBD	R
X100391	W4ARAA	AMC LIAISON OFC R&D COORD	MAJ	51A00	FORT HOOD TX	A
SB00025	W4CHAA	CONG INQRY CONG PROC STAFF O	LTC	97A00	PENTAGON	C
JA00047	W4DJAA	JT ELTRWFRE R&D COOR	MAJ	51A00	KELLY AFB TX	S
JA00048	W4DJAA	JT ELTRWFRE C, TECH DIV	LTC	53C00	KELLY AFB TX	R
JA00049	W4DMAA	USAE CENTCOM DEP IND COOP OFCR	LTC	97A00	EGYPT	C
CE00002	W4DRAA	USA CRR&EL R&D COORDINATOR	CPT	51A21	HANOVER NH	A
CE00003	W4DRAA	USA CRR&EL R&D COORDINATOR	CPT	51A21	HANOVER NH	A
FC00015	W4E6AA	NTC CNTR PROJ MGR	LTC	97A00	FT IRWIN CA	C
FC00016	W4E6AA	NTC D, CONTRACTING	LTC	97A00	FT IRWIN CA	C
SA00072	W4EBAA	OFC SDBU DEP DIR MAJ SYS	COL	97A00	PENTAGON	C
SA00073	W4EBAA	OFC SDBU A DIR, SM BUS CON	LTC	97A00	PENTAGON	C
CE00004	W4EGAA	HQ COE DEP C, PARC OFC	COL	97A21	WASHINGTON DC	C
CE00005	W4EGAA	HQ COE D CH, OPS/CON MGT	LTC	97A21	WASHINGTON DC	C
X100392	W4FBAA	MUN PROD BASE PROCUREMENT OFCR	CPT	97A00	PICATINNY NJ	C
X100393	W4FBAA	MUN PROD BASE FAC CONST R&D OF	CPT	51A21	PICATINNY NJ	A
X100396	W4FBAA	MUN PROD BASE FAC CNSTR PM	MAJ	51A21	PICATINNY NJ	A
X100397	W4FBAA	MUN PROD BASE PROD BASE R&D OF	CPT	51A00	PICATINNY NJ	A
X100398	W4FDAA	USARDSG-GM COMMANDER	COL	51A00	BONN GERMANY	A
X100400	W4FDAA	USARDSG-GM R&D COORDINATOR	LTC	51A00	BONN GERMANY	A
X100399	W4FDAA	USARDSG-GM INTL R&D COORD	MAJ	51A02	GERMANY	S
JA00050	W4FGAA	USAE CENTCOM PROCUREMENT OFCR	LTC	97A00	MCDILL AFB FL	C
JA00051	W4FGAA	USAE CENTCOM SYS ANALYST	MAJ	53B00	MCDILL AFB FL	S
JA00052	W4FGAA	USAE CENTCOM DIV CHIEF	COL	53C00	MCDILL AFB FL	A
CZ00097	W4FHAA	USAISSC COMMANDER	COL	53C00	FT BELVOIR VA	R
CZ00098	W4FHAA	USAISSC SR SFTW ENGR/XO	MAJ	53B00	FT BELVOIR VA	R
CZ00099	W4FHAA	USAISSC COMMANDER, HHC	CPT	53B00	FT BELVOIR VA	Z
CZ00100	W4FHAA	USAISSC CHIEF, RQMNT/OPS	LTC	53C00	FT BELVOIR VA	S
CZ00107	W4FHAA	USAISSC AUTO MGT OFCR	CPT	53B00	FT BELVOIR VA	R
CZ00108	W4FHAA	USAISSC AUTO MGT OFCR	CPT	53B00	FT BELVOIR VA	R
CZ00113	W4FHAA	USAISSC SR SFTWR ENGR	MAJ	53B00	FT BELVOIR VA	S
CZ00112	W4FHAA	USAISSC SR SFTWR ENGR	MAJ	53B00	FT BELVOIR VA	S
CZ00115	W4FHAA	USAISSC SR SOFTWARE ENGR	LTC	53C00	FT BELVOIR VA	R
CZ00172	W4FHAA	USAISSC SYS AUTO MGMNT OF	CPT	53B00	FT BELVOIR VA	S
CZ00121	W4FHAA	USAISSC SOFTWARE PROG OFF	CPT	53B00	FT BELVOIR VA	S
CZ00122	W4FHAA	USAISSC SOFTWARE ENGR	MAJ	53B00	FT BELVOIR VA	S
CZ00125	W4FHAA	USAISSC SOFTWARE ENGR	CPT	53B00	FT BELVOIR VA	S
CZ00126	W4FHAA	USAISSC SOFTWARE ENGR	CPT	53B00	FT BELVOIR VA	S

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
CZ00048	W4FHAA	USAISSC SYS AUTO ENGR	LTC	53C92	FT BELVOIR VA	S
X100420	W4G8AA	CECOM RDEC PROJECT OFFICER	CPT	51A11	FT BELVOIR VA	S
X100410	W4G8AA	CECOM RDEC COMBAT ID PRJ OFF	CPT	51A35	FT MONMOUTH NJ	S
X100401	W4G8AA	CECOM RDEC ELECT ENGR	LTC	51A25	FT MONMOUTH NJ	S
X100421	W4GGAA	HQ TACOM C, OPNS BR (SAMO)	MAJ	97A00	WARREN MI	A
X100422	W4GGAA	HQ TACOM C, ABRMS MGT TM	LTC	51A12	SAUDI ARABIA	A
X100423	W4GGAA	HQ TACOM PM REP, BRADLEY	MAJ	97A91	RIYADH SAUD ARAB	L
X100424	W4GGAA	HQ TACOM APM FLDG SAUDI	MAJ	51A11	RIYADH SAUD ARAB	L
X100670	W4GGAA	HQ TACOM C, OPNS BRANCH	MAJ	97A00	WARREN MI	A
X100425	W4GGAA	HQ TACOM DEP C, LOG FLDNG	LTC	51A91	WARREN MI	L
X100695	W4GGAA	HQ TACOM LOGISTICS OFFICER	CPT	51A91	WARREN MI	L
X100694	W4GGAA	HQ TACOM LOGISTICS OFFICER	CPT	51A91	WARREN MI	L
X100427	W4GGAA	HQ TACOM LOGISTICS OFF	CPT	51A91	WARREN MI	L
X100428	W4GGAA	HQ TACOM MAT FLDNG OFF	MAJ	51A00	WARREN MI	A
X100429	W4GGAA	HQ TACOM C, ABRMS PROD DEP	LTC	51A91	WARREN MI	L
X100674	W4GGAA	HQ TACOM ABRAMS FORCE MOD	MAJ	51A12	WARREN MI	L
X100430	W4GGAA	HQ TACOM ABRMS FMS TNG CRD	MAJ	51A91	WARREN MI	L
X100431	W4GGAA	HQ TACOM ABRMS TNG DVC CRD	MAJ	51A12	WARREN MI	L
X100432	W4GGAA	HQ TACOM PROD DEPLYMNT OFF	MAJ	51A12	WARREN MI	L
X100433	W4GGAA	HQ TACOM OPS/TNG COORD	MAJ	51A12	WARREN MI	A
X100434	W4GGAA	HQ TACOM MAINT TNG OFF	CPT	51A91	WARREN MI	L
X100435	W4GGAA	HQ TACOM MAT FLDNG OFF	CPT	51A91	WARREN MI	L
X100436	W4GGAA	HQ TACOM C, ASM FRCE MD	LTC	51A12	FT CARSON CO	L
X100437	W4GGAA	HQ TACOM FLD SITE CHIEF	MAJ	51A12	FT CARSON CO	L
X100442	W4GGAA	HQ TACOM FLD SITE CHIEF	MAJ	51A12	FT CARSON CO	L
X100439	W4GGAA	HQ TACOM FLD SITE CHIEF	MAJ	51A12	FT CARSON CO	L
X100438	W4GGAA	HQ TACOM ASM TPF CRD	CPT	51A12	FT CARSON CO	L
X100440	W4GGAA	HQ TACOM FLD SITE OFCR	MAJ	51A12	FT CARSON CO	L
X100441	W4GGAA	HQ TACOM FLD SITE OFCR	MAJ	51A12	FT CARSON CO	L
X100443	W4GGAA	HQ TACOM M1 FORCE MOD CRD	CPT	51A12	WARREN MI	L
X100444	W4GGAA	HQ TACOM DEP DIR ACQ CTR	COL	97A92	WARREN MI	C
X100445	W4GGAA	HQ TACOM PROD OFCR, ABRAMS	MAJ	97A00	WARREN MI	G
X100446	W4GGAA	HQ TACOM PROD OFCR, ABRAMS	MAJ	97A00	WARREN MI	G
X100447	W4GGAA	HQ TACOM PROD OFCR, ABRAMS	MAJ	97A00	WARREN MI	G
X100448	W4GGAA	HQ TACOM PROD OFCR, ABRAMS	MAJ	97A00	WARREN MI	G
X100449	W4GGAA	HQ TACOM C, CONTRACTS SECT	MAJ	97A00	WARREN MI	C
X100450	W4GGAA	HQ TACOM C, CONTRACTS SECT	MAJ	97A00	WARREN MI	C
X100451	W4GGAA	HQ TACOM C, CONTRACTS SECT	MAJ	97A00	WARREN MI	C
X100452	W4GGAA	HQ TACOM PROCUREMENT OFCR	CPT	97A00	WARREN MI	C
X100453	W4GGAA	HQ TACOM PROCUREMENT OFF	MAJ	97A00	WARREN MI	C
X100454	W4GGAA	HQ TACOM C, CONTRACTS SECT	MAJ	97A00	WARREN MI	C
X100455	W4GGAA	HQ TACOM PROCUREMENT OFF	LTC	97A00	WARREN MI	G
X100456	W4GGAA	HQ TACOM PROCUREMENT OFF	MAJ	97A00	WARREN MI	G
X100457	W4GGAA	HQ TACOM DIR/WSM	COL	51A00	WARREN MI	V
X100458	W4GGAA	HQ TACOM PM M113/M60 FOV	LTC	51A00	WARREN MI	A
X100459	W4GGAA	HQ TACOM APM M113	MAJ	51A00	WARREN MI	A
X100460	W4GGAA	HQ TACOM PM CCE	LTC	97A91	WARREN MI	A
X100461	W4GGAA	HQ TACOM APM CCE/SMHE	MAJ	51A00	WARREN MI	A
X100462	W4GGAA	HQ TACOM PROJECT OFFICER	CPT	51A00	WARREN MI	A
X100463	W4GHAA	TACOM RDEC PROJECT OFFICER	CPT	51A00	WARREN MI	S
X100476	W4GHAA	TACOM RDEC PM ATP3 (SPO #1)	LTC	51A00	WARREN MI	A
X100477	W4GHAA	TACOM RDEC APM SP#1	MAJ	51A12	WARREN MI	A
X100464	W4GHAA	TACOM RDEC DIR ADV CONCPTS	COL	51A00	WARREN MI	A
X100465	W4GHAA	TACOM RDEC C, EMERGING SYS D	LTC	51A00	WARREN MI	S
X100466	W4GHAA	TACOM RDEC WPN SYS MGR	MAJ	51A13	WARREN MI	S
X100467	W4GHAA	TACOM RDEC WPN SYS MGR	MAJ	51A12	WARREN MI	S
X100468	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A91	WARREN MI	S
X100469	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A12	WARREN MI	S
X100470	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A12	WARREN MI	S
X100471	W4GHAA	TACOM RDEC R&D LOG SPT	CPT	51A00	WARREN MI	S
X100472	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A00	WARREN MI	S
X100474	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A00	WARREN MI	S
X100473	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A00	WARREN MI	S
X100475	W4GHAA	TACOM RDEC WPN SYS MGR	MAJ	51A91	WARREN MI	S
X100478	W4GHAA	TACOM RDEC WPN SYS MGR	CPT	51A91	WARREN MI	S
X100479	W4GHAA	TACOM RDEC WPN SYS MGR	MAJ	51A91	WARREN MI	S
X100480	W4GHAA	TACOM RDEC SYS TECH MGR	MAJ	51A02	WARREN MI	S
X100481	W4GHAA	TACOM RDEC SYS TECH MGR	MAJ	51A12	WARREN MI	S
X100482	W4GHAA	TACOM RDEC SYS TECH MGR	MAJ	51A12	WARREN MI	S
X100483	W4GHAA	TACOM RDEC SYS TECH MGR	MAJ	51A91	WARREN MI	S
X100484	W4GHAA	TACOM RDEC SYS TECH MGR	MAJ	51A12	WARREN MI	S
X100485	W4GHAA	TACOM RDEC C, TEST OPNS	MAJ	51A12	WARREN MI	A
X100654	W4GHAA	TACOM RDEC BFVS TEST MGMNT	MAJ	51A91	WARREN MI	T
X100653	W4GHAA	TACOM RDEC TEST SITE OFFICER	MAJ	51A12	WARREN MI	T
X100693	W4GHAA	TACOM RDEC BFVS FLD ASSMENT	CPT	51A12	WARREN MI	T
X100692	W4GHAA	TACOM RDEC FLD ASSESSMNT OFF	CPT	51A11	WARREN MI	T
X100486	W4GHAA	TACOM RDEC TEST OFFICER	MAJ	51A91	WARREN MI	S
X100488	W4GHAA	TACOM RDEC BFVS TEST OFF/APG	MAJ	51A91	APG MD	T
X100487	W4GHAA	TACOM RDEC TEST SITE OFF APG	MAJ	51A91	APG MD	T
DJ00012	W4GKAA	USAE JSOC MGT INFO SYS	MAJ	53B35		R
DJ00013	W4GKAA	USAE JSOC PROCUREMENT OFCR	MAJ	97A00		C
X100712	W4GVAA	HQ CECOM DEP CDR -BUSINESS	COL	53C00	FT MONMOUTH NJ	V
X100489	W4GVAA	HQ CECOM DEP DIR ACQ CTR	COL	97A91	FT MONMOUTH NJ	C
X100491	W4GVAA	HQ CECOM CONTR MGT OFCR	MAJ	97A25	FT MONMOUTH NJ	C
X100493	W4GVAA	HQ CECOM CONTR MGT OFCR	CPT	97A25	FT MONMOUTH NJ	C
X100494	W4GVAA	HQ CECOM CONTR MGT OFCR	MAJ	97A00	FT MONMOUTH NJ	C
X100495	W4GVAA	HQ CECOM CONTR MGT OFCR	CPT	97A25	FT MONMOUTH NJ	C
X100502	W4GVAA	HQ CECOM CONTR MGT OFCR	CPT	97A25	FT MONMOUTH NJ	C
X100514	W4GVAA	HQ CECOM CONTR MGT OFCR	CPT	97A25	FT MONMOUTH NJ	C
X100506	W4GVAA	HQ CECOM CONTR MGT OFCR	MAJ	97A25	FT MONMOUTH NJ	C
X100512	W4GVAA	HQ CECOM C, BASE OPS	MAJ	97A00	FT MONMOUTH NJ	C

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
X100515	W4GVAA	HQ CECOM CONTR MGT OFCR	MAJ	97A25	FT MONMOUTH NJ	C
X100513	W4GVAA	HQ CECOM CONTR MGT OFCR	CPT	97A25	FT MONMOUTH NJ	C
X100710	W4GVAA	HQ CECOM PROJECT OFFICER	MAJ	51A25	VINT HILL VA	S
X100520	W4GVAA	HQ CECOM FLD TM LDR	CPT	51A13	FT MONMOUTH NJ	A
X100522	W4GVAA	HQ CECOM FLD TM LDR	CPT	51A13	FT MONMOUTH NJ	A
X100523	W4GVAA	HQ CECOM C-E MAT MGT OFCR	CPT	51A13	FT MONMOUTH NJ	A
X100526	W4GVAA	HQ CECOM SYS MGT OFF	MAJ	51A25	FT MONMOUTH NJ	A
X100673	W4GVAA	HQ CECOM DEP DIR SYS MGT	LTC	51A25	FT HUACHUCA AZ	L
X100402	W4GVAA	HQ CECOM DEPUTY DIRECTOR	COL	51A25	FT MONMOUTH NJ	S
X100705	W4GVAA	HQ CECOM R & D OFFICER	MAJ	53A00	FT MONMOUTH NJ	S
X100407	W4GVAA	HQ CECOM PM JASORS	LTC	51A25	FT MONMOUTH NJ	A
X100406	W4GVAA	HQ CECOM CMD MGR SOF	COL	51A25	FT MONMOUTH NJ	V
X100517	W4GVAA	HQ CECOM TEST & EVAL OFF	MAJ	51A25	MELBOURNE FL	T
X100014	W4GVAA	HQ CECOM DEPUTY DIRECTOR	COL	51A25	FT MONMOUTH NJ	S
X100639	W4GVAA	HQ CECOM ELECTRICAL ENGR	LTC	51A25	FT MONMOUTH NJ	S
X100405	W4GVAA	HQ CECOM SYS ANALYST	CPT	53B00	FT MONMOUTH NJ	S
X100412	W4GVAA	HQ CECOM DEP DIR IEWD	LTC	51A35	VINT HILL VA	S
X100642	W4GVAA	HQ CECOM PROJECT OFFICER	MAJ	51A25	HANSCOM AFB MA	S
X100408	W4GVAA	HQ CECOM APM	LTC	51A25	FT MONMOUTH NJ	S
X100414	W4GVAA	HQ CECOM PROJECT OFFICER	MAJ	53B00	FT LVNWORTH KS	S
X100416	W4GVAA	HQ CECOM FS PRJ OFCR	LTC	53C13	FT SILL OK	S
X100417	W4GVAA	HQ CECOM SW ENGR OFCR	MAJ	53B13	FT SILL OK	S
X100419	W4GVAA	HQ CECOM X0/R&D PROJ OFF	LTC	51A00	FT BELVOIR VA	S
X100687	W4GVAA	HQ CECOM PROJECT OFFICER	CPT	51A15	FT BELVOIR VA	T
SP00041	W4HPAA	USASPSA OPERATIONS OFFICE	LTC	51A18	FT BELVOIR VA	A
SP00042	W4HPAA	USASPSA APM -SOF AVN SYS	MAJ	51A15	FT BELVOIR VA	A
SP00043	W4HPAA	USASPSA APM -SOF ORD SYS	MAJ	51A00	FT BELVOIR VA	A
SP00016	W4HPAA	USASPSA PROCUREMENT OFCR	MAJ	97A00	FT BELVOIR VA	C
SP00017	W4HPAA	USASPSA APM LOGISTICS	MAJ	51A18	FT BELVOIR VA	A
SP00018	W4HPAA	USASPSA APM-SPCL OPNS	MAJ	51A18	FT BELVOIR VA	A
SP00019	W4HPAA	USASPSA C, FIELD OFFICE	MAJ	51A18	FT BRAGG NC	A
TC00229	W4J9AA	NTS OPS GROUP PROCUREMENT OFF	MAJ	97A00	FT IRWIN CA	C
TC00174	W4K8AA	USA MP SCH SR RDTE OFF	MAJ	51A31	FT MCCLELLAN AL	S
TC00175	W4K8AA	USA MP SCH SR RDTE OFF	MAJ	51A31	FT MCCLELLAN AL	T
TC00176	W4K8AA	USA MP SCH RDTE OFCR	CPT	51A31	FT MCCLELLAN AL	A
TC00182	W4K8AA	USA MP SCH SR RDTE OFF	MAJ	51A31	FT MCCLELLAN AL	S
TC00183	W4K9AA	USA CM SCH C, MAT SYS	LTC	51A74	FT MCCLELLAN AL	L
TC00184	W4K9AA	USA CM SCH SR MAT DEV OFF	MAJ	51A74	FT MCCLELLAN AL	A
TC00185	W4K9AA	USA CM SCH C, CONTAM AVOID	MAJ	51A74	FT MCCLELLAN AL	A
SF00114	W4KBAA	USA DSMA COMMANDER	LTC	53C00	PENTAGON	R
SF00113	W4KBAA	USA DSMA CONTRACTING OFF	MAJ	97A00	PENTAGON	C
SF00122	W4KBAA	USA DSMA SYS ANALYST	MAJ	53B00	WASHINGTON DC	R
SF00121	W4KBAA	USA DSMA SYS ANALYST	MAJ	53B00	WASHINGTON DC	R
TC00186	W4KVAA	TRADOC CNTR PROCUREMENT OFCR	MAJ	97A00	FT MONROE VA	C
SS00002	W4M7AA	IMSA OFC CHIEF	LTC	53C00	PENTAGON	S
X100530	W4MKAA	ARDEC DEP CDR ARDEC	COL	51A00	PICATINNY NJ	A
X100531	W4MKAA	ARDEC PGM DIR, ELEC ARM	LTC	51A91	PICATINNY NJ	A
X100532	W4MKAA	ARDEC SYS INT OFCR	MAJ	51A91	PICATINNY NJ	S
X100533	W4MKAA	ARDEC C, ASCO	COL	51A00	PICATINNY NJ	A
X100680	W4MKAA	ARDEC C, MA & INT DIV	LTC	51A02	PICATINNY NJ	S
X100534	W4MKAA	ARDEC LT INF SYS OFCR	MAJ	51A11	PICATINNY NJ	S
X100535	W4MKAA	ARDEC ARM SYS OFCR	MAJ	51A12	PICATINNY NJ	S
X100536	W4MKAA	ARDEC FS SYS OFCR	MAJ	51A13	PICATINNY NJ	S
X100537	W4MKAA	ARDEC ARM SYS OFCR	CPT	51A12	PICATINNY NJ	S
X100538	W4MKAA	ARDEC CDR/DIR FSAC	COL	51A00	PICATINNY NJ	A
X100539	W4MKAA	ARDEC INF SYS OFCR	CPT	51A11	PICATINNY NJ	S
X100540	W4MKAA	ARDEC ARTY SYS OFCR	CPT	51A13	PICATINNY NJ	S
X100541	W4MKAA	ARDEC SMT WPN SYS OFCR	CPT	51A91	PICATINNY NJ	S
X100542	W4MKAA	ARDEC FS SYS OFCR	MAJ	51A13	PICATINNY NJ	S
X100543	W4MKAA	ARDEC ARMOR R&D COORD	CPT	51A12	PICATINNY NJ	S
X100544	W4MKAA	ARDEC FIRE SPT SYS OFF	CPT	51A13	PICATINNY NJ	S
X100545	W4MKAA	ARDEC ELEC ARM SYS OFF	CPT	51A12	PICATINNY NJ	S
X100546	W4MKAA	ARDEC CDR/DIR CCAC	COL	51A00	PICATINNY NJ	A
X100547	W4MKAA	ARDEC AR SYS INTGR OFF	MAJ	51A12	PICATINNY NJ	S
X100640	W4MKAA	ARDEC SYS MGR LT ARM DI	MAJ	51A11	PICATINNY NJ	S
X100549	W4MKAA	ARDEC SYS INT OFCR	CPT	51A11	PICATINNY NJ	S
X100550	W4MKAA	ARDEC SYS INT OFCR	CPT	51A11	PICATINNY NJ	S
X100551	W4MKAA	ARDEC SYS INT OFF	CPT	51A00	PICATINNY NJ	S
X100552	W4MKAA	ARDEC SYS MGR SM ARMS	CPT	51A11	PICATINNY NJ	S
X100553	W4MKAA	ARDEC DIR, PROC & PROD	COL	97A00	PICATINNY NJ	C
X100554	W4MKAA	ARDEC CONTR MGT OFCR	CPT	97A00	PICATINNY NJ	C
X100555	W4MKAA	ARDEC CONTR MGMT OFCR	CPT	97A00	PICATINNY NJ	C
X100556	W4MKAA	ARDEC CONTR MGT OFCR	CPT	97A00	PICATINNY NJ	C
X100557	W4MKAA	ARDEC CONTR MGT OFCR	CPT	97A00	PICATINNY NJ	C
X100558	W4MLAA	CBDC R&D RQMNTS OFCR	CPT	51A74	APG MD	A
X100559	W4MLAA	CBDC R&D COORDINATOR	CPT	51A74	APG MD	A
X100560	W4MLAA	CBDC SYS ACQ MANAGER	CPT	51A74	APG MD	A
X100561	W4MLAA	CBDC APM BIO DEF SYS	CPT	51A74	APG MD	A
X100562	W4MLAA	CBDC CHEMICAL ENGR	CPT	51A74	APG MD	S
X100563	W4MLAA	CBDC CHEM OFCR	MAJ	51A74	APG MD	S
X100564	W4MLAA	CBDC R&D COORDINATOR	CPT	51A74	APG MD	A
X100565	W4MLAA	CBDC NBC R&D COORD	LTC	51A74	PENTAGON	A
X100566	W4MLAA	CBDC PM SMOKE	LTC	51A74	APG MD	A
X100567	W4MLAA	CBDC APM BIO DEF SYS	CPT	51A74	APG MD	A
X100568	W4MLAA	CBDC PM NBC DEFN	COL	51A74	APG MD	A
X100569	W4MLAA	CBDC APM NBCRS	LTC	51A74	APG MD	A
X100706	W4MLAA	CBDC APM LOG/FLDNG	MAJ	53B74	APG MD	L
X100570	W4MLAA	CBDC SYS ACQ MANAGER	CPT	51A74	APG MD	A
X100571	W4MMAA	HQ AMCCOM PROC INVESTIGATOR	CPT	97A00	ROCK ISLAND IL	C
X100577	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	CPT	97A00	ROCK ISLAND IL	A
X100580	W4MMAA	HQ AMCCOM WPN SYS MTRIX MGR	MAJ	51A00	ROCK ISLAND IL	A
X100578	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	CPT	51A00	ROCK ISLAND IL	A
X100572	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	MAJ	51A00	ROCK ISLAND IL	A
X100573	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	CPT	51A00	ROCK ISLAND IL	A
X100574	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	MAJ	51A00	ROCK ISLAND IL	A
X100575	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	CPT	51A00	ROCK ISLAND IL	A
X100576	W4MMAA	HQ AMCCOM WPN SYS MATRIX MG	CPT	51A00	ROCK ISLAND IL	A
X100579	W4MMAA	HQ AMCCOM CONTR MGT OFCR	CPT	97A00	ROCK ISLAND IL	C
X100586	W4MMAA	HQ AMCCOM DIR, PROCUREMENT	COL	97A00	ROCK ISLAND IL	C
X100587	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100596	W4MMAA	HQ AMCCOM C, CONTR DIV	LTC	97A00	ROCK ISLAND IL	C
X100601	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100602	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100604	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100605	W4MMAA	HQ AMCCOM CONTR MGT OFCR	CPT	97A00	ROCK ISLAND IL	C
X100589	W4MMAA	HQ AMCCOM DEP C, CONTRS DIV	MAJ	97A00	ROCK ISLAND IL	C
X100600	W4MMAA	HQ AMCCOM DEP C, CONTR DIV	CPT	97A00	ROCK ISLAND IL	C
X100597	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100598	W4MMAA	HQ AMCCOM C, SM PURCHASE BR	CPT	97A00	ROCK ISLAND IL	C
X100599	W4MMAA	HQ AMCCOM C, SML ARMS SECT	CPT	97A00	ROCK ISLAND IL	C
X100590	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100585	W4MMAA	HQ AMCCOM PROD STAFF OFCR	CPT	97A00	ROCK ISLAND IL	G
X100588	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100592	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100591	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100593	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100594	W4MMAA	HQ AMCCOM CONTRACTING OFCR	CPT	97A00	ROCK ISLAND IL	C
X100582	W4MMAA	HQ AMCCOM C, C&I MGT OFC	CPT	97A00	ROCK ISLAND IL	G
X100583	W4MMAA	HQ AMCCOM PROD OFCR C&I OFC	CPT	97A00	ROCK ISLAND IL	G
X100584	W4MMAA	HQ AMCCOM PROD STAFF OFCR	CPT	97A00	ROCK ISLAND IL	G
X100581	W4MMAA	HQ AMCCOM C, PROD OPNS DIV	MAJ	97A00	ROCK ISLAND IL	G
X100609	W4MMAA	HQ AMCCOM PM MORTARS	LTC	51A00	PICATINNY NJ	A
X100610	W4MMAA	HQ AMCCOM PM FUZES	LTC	51A00	PICATINNY NJ	A
X100608	W4MMAA	HQ AMCCOM PM SMALL ARMS	LTC	51A00	PICATINNY NJ	A
X100611	W4MMAA	HQ AMCCOM COMMANDER/DIR	COL	51A91	PICATINNY NJ	A
X100612	W4MMAA	HQ AMCCOM ORD OFFICER	MAJ	51A91	PICATINNY NJ	S
X100613	W4MMAA	HQ AMCCOM PROJECT OFFICER	CPT	51A91	PICATINNY NJ	A
X100614	W4MMAA	HQ AMCCOM ARTY OFCR AM LOG	MAJ	51A91	PICATINNY NJ	L
DF00249	W4N4AA	DISA C,CNTR NARC PRGMS	LTC	53C25	ARLINGTON VA	R
DF00252	W4N4AA	DISA CNTR NARC OFFICER	MAJ	53B00	ARLINGTON VA	R
DF00251	W4N4AA	DISA SYS CONT TECH INT	MAJ	53B00	MCLEAN VA	R
DF00256	W4N4AA	DISA SYS INTGRTN OFF	MAJ	53B00	MCLEAN VA	A
DF00253	W4N4AA	DISA DMS PRGM OFFICER	MAJ	53B00	MCLEAN VA	R
DF00254	W4N4AA	DISA C-E SYSTEMS OFF	MAJ	53B00	MCLEAN VA	R
DF00255	W4N4AA	DISA C-E AUTOMATN OFF	MAJ	53B00	MCLEAN VA	R
DF00263	W4N4AA	DISA ACQ SYS MGR	CPT	53B00	MCLEAN VA	R
DF00207	W4N4AA	DISA PM, DISN/DEP DIR	COL	5325C	MCLEAN VA	A
DF00208	W4N4AA	DISA C, ACQ DIV	LTC	97A00	NORTHERN VA	C
DF00209	W4N4AA	DISA LNO	LTC	53C00	NORTHERN VA	S
CZ00127	W4NHAA	HQ USAISC DIR, INFO SYS CON	MAJ	97A00	FT HUACHUCA AZ	C
SA00074	W4NJAA	ODISC4 STAFF OFFICER	MAJ	51A25	PENTAGON	A
SA00075	W4NJAA	ODISC4 STAFF OFFICER	LTC	51A00	PENTAGON	A
SA00093	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C00	PENTAGON	R
SA00092	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	R
SA00076	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	A
SA00077	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	R
SA00078	W4NJAA	ODISC4 STAFF OFFICER	MAJ	53B25	PENTAGON	A
SA00091	W4NJAA	ODISC4 DEP DIR FOR STNDS	COL	53C25	PENTAGON	R
SA00079	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	A
SA00080	W4NJAA	ODISC4 STAFF OFFICER	MAJ	53B25	PENTAGON	A
SA00081	W4NJAA	ODISC4 STAFF OFFICER	MAJ	53B00	PENTAGON	A
SA00082	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	A
SA00083	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C00	PENTAGON	A
SA00084	W4NJAA	ODISC4 DEP DIR	COL	53C25	PENTAGON	R
SA00085	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	A
SA00086	W4NJAA	ODISC4 STAFF OFFICER	LTC	51A25	PENTAGON	A
SA00087	W4NJAA	ODISC4 STAFF OFFICER	LTC	53C25	PENTAGON	A
TC00187	W4P8AA	TRADOC AUTO MGT OFCR	CPT	53B00	FT MONROE VA	R
TC00188	W4P8AA	TRADOC C, ADV GRP/INSTR	LTC	97A00	W-P AFB OH	X
TC00189	W4P8AA	TRADOC PROCUREMENT INSTR	MAJ	97A00	W-P AFB OH	X
TC00190	W4P8AA	TRADOC PROCUREMENT INSTR	MAJ	97A00	W-P AFB OH	X
TC00191	W4P8AA	TRADOC CBT DEV INTEG OFF	CPT	51A02	FT MONROE VA	A
TC00192	W4P8AA	TRADOC C, INT & OPNS DIV	LTC	51A02	FT MONROE VA	A
TC00193	W4P8AA	TRADOC CD PROJ OFCR	LTC	51A00	FT MONROE VA	A
TC00194	W4P8AA	TRADOC C, SPEC PROJ OFC	LTC	51A02	FT MONROE VA	A
SF00123	W4PCAA	USAFISA TAADS-R PROJ OFCR	LTC	53C00	FT BELVOIR VA	A
JA00071	W4PD05	OMB XO TO COMPTROLLER	COL	53A00	WASHINGTON DC	Z
JA00053	W4PDAA	ARMY SPT PROJ MGR	MAJ	51A00	ODCSOPS	A
MT00001	W4PQAA	MTMC PM TCACCIS	LTC	53C88	NORTHERN VA	A
SB00026	W4QSAA	USA CNT SPT AGY PROC OFCR	LTC	97A00	NORTHERN VA	C
SB00027	W4QSAA	USA CNT SPT AGY C, PROC MGT	COL	97A00	NORTHERN VA	C
SB00028	W4QSAA	USA CNT SPT AGY PROC OFCR	LTC	97A00	NORTHERN VA	C
SB00032	W4QSAA	USA CNT SPT AGY C, INST CONTR	COL	97A00	NORTHERN VA	C
SB00035	W4QSAA	USA CNT SPT AGY PROC OFCR	LTC	97A00	NORTHERN VA	C
SB00033	W4QSAA	USA CNT SPT AGY PROC OFCR	LTC	97A00	NORTHERN VA	C
SB00034	W4QSAA	USA CNT SPT AGY PROC OFCR	LTC	97A00	NORTHERN VA	C
SB00036	W4QSAA	USA CNT SPT AGY CHIEF	COL	97A00	NORTHERN VA	C
SB00030	W4QSAA	USA CNT SPT AGY PROC OFCR	MAJ	97A00	NORTHERN VA	C
X100615	W4QUAA	USA CSTA COMMANDER	COL	51A00	APG MD	T
X100616	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
X100617	W4QUAA	USA CSTA C, ELCTR SYS BR	MAJ	51A02	APG MD	T
X100618	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
X100621	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
X100622	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
X100623	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
X100624	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
X100626	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
X100627	W4QUAA	USA CSTA T&E OFFICER	CPT	51A00	APG MD	T
DF00212	W4RTAA	BMDO PGM INTEGRATOR	MAJ	97A00	WASHINGTON DC	C
DF00213	W4RTAA	BMDO PROGRAM INTGR	LTC	51A14	WASHINGTON DC	S
DF00214	W4RTAA	BMDO DIR, TH DEF WPN	COL	51A00	WASHINGTON DC	A
DF00247	W4RTAA	BMDO PROJ INTG-RDR/DIS	MAJ	51A00	WASHINGTON DC	S
DF00248	W4RTAA	BMDO PROJ INTG-PWR TEC	MAJ	51A00	WASHINGTON DC	S
DF00215	W4RTAA	BMDO PROGRAM INTGR	LTC	51A14	WASHINGTON DC	S
DF00216	W4RTAA	BMDO DIR SYS INTGR	COL	51A00	WASHINGTON DC	A
DF00217	W4RTAA	BMDO PROJECT INTEGRATO	MAJ	51A00	WASHINGTON DC	S
DF00258	W4RTAA	BMDO CONTRACTING OFF	LTC	97A00	WASHINGTON DC	C
DF00245	W4RTAA	BMDO AST DIR BMC3 OPNS	MAJ	51A00	WASHINGTON DC	A
DF00218	W4RTAA	BMDO ASST EXEC OFCR	LTC	51A00	WASHINGTON DC	A
DF00219	W4RTAA	BMDO DIR, TEST & EVAL	COL	51A00	WASHINGTON DC	T
DF00220	W4RTAA	BMDO PGM INTEGRATOR	MAJ	97A00	WASHINGTON DC	C
DF00221	W4RTAA	BMDO THR DF SYS ENG	MAJ	51A00	WASHINGTON DC	S
DF00246	W4RTAA	BMDO BMD SYS ACQ ASST	MAJ	51A00	WASHINGTON DC	A
DF00222	W4RTAA	BMDO PROGRAM INTGR	LTC	51A14	WASHINGTON DC	S
DF00233	W4RTAA	BMDO DEP ASST DIR T&E	MAJ	51A00	WASHINGTON DC	T
DF00223	W4RTAA	BMDO XO GPALS GEN MGR	MAJ	51A00	WASHINGTON DC	S
DF00224	W4RTAA	BMDO PROJ INTGR	MAJ	51A00	WASHINGTON DC	A
DF00225	W4RTAA	BMDO DEP DIR SYS ENGR	LTC	51A00	WASHINGTON DC	S
DF00226	W4RTAA	BMDO PRGM INTEGR	MAJ	51A00	WASHINGTON DC	S
DF00227	W4RTAA	BMDO SEM GRD BAS INTER	LTC	51A00	WASHINGTON DC	S
DF00228	W4RTAA	BMDO DIR PRGM MGT	COL	51A00	WASHINGTON DC	A
DF00229	W4RTAA	BMDO PROJ INTGR	CPT	51A00	WASHINGTON DC	S
DF00230	W4RTAA	BMDO DIR NATL DEF	COL	51A00	WASHINGTON DC	A
DF00231	W4RTAA	BMDO SFTW ENGR MGR	MAJ	53C00	WASHINGTON DC	R
DF00232	W4RTAA	BMDO DIR INT & SENS	COL	51A00	WASHINGTON DC	V
DF00250	W4RUAA	DISA C, APP TEST BRNCH	LTC	53C00	STERLING VA	R
JA00054	W4T2AA	USAE CENTCOM AUTO PLNS OFCR	MAJ	53B00	MCDILL AFB FL	R
JA00056	W4T4AA	USAE EUCOM C, DEF COOP SECT	LTC	97A00	FRANCE	C
JA00057	W4T4AA	USAE EUCOM C, DEF COOP SECT	LTC	97A00	ITALY	C
JA00058	W4T4AA	USAE EUCOM C, DEF COOP SECT	LTC	97A00	NORWAY	C
JA00059	W4T4AA	USAE EUCOM C, DEF COOP SECT	LTC	97A00	UNITED KINGDOM	C
JA00060	W4T4AA	USAE EUCOM C, DEF COOP DIV	LTC	97A00	GREECE	C
JA00061	W4T4AA	USAE EUCOM C, ARM COOP MGR	MAJ	97A00	TURKEY	C
JA00062	W4T4AA	USAE EUCOM ARM COOP MGR	MAJ	97A00	TURKEY	C
SC00052	W4T801	USA SSDC CHIEF OF STAFF	COL	51A14	HUNTSVILLE AL	V
SC00002	W4T801	USA SSDC C, FO, BOEING	MAJ	51A14	SEATTLE WA	A
SC00004	W4T801	USA SSDC C, SYS DIV FLD OF	LTC	51A00	LOS ANGELES CA	A
SC00008	W4T801	USA SSDC CONTRACTING OFF	LTC	97A00	HUNTSVILLE AL	C
SC00007	W4T801	USA SSDC C, CONTRACTS BR	MAJ	97A00	HUNTSVILLE AL	C
SC00009	W4T801	USA SSDC DIR,TGTS,T&E	COL	51A14	HUNTSVILLE AL	T
SC00010	W4T801	USA SSDC PM STRAT TGTS	LTC	51A00	HUNTSVILLE AL	A
SC00015	W4T801	USA SSDC R&D CRD STRAT TGT	MAJ	51A00	HUNTSVILLE AL	S
SC00011	W4T801	USA SSDC PM THEATER TGTS	LTC	51A00	HUNTSVILLE AL	A
SC00063	W4T801	USA SSDC R&D CRD,THTR TGTS	MAJ	51A14	HUNTSVILLE AL	S
SC00012	W4T801	USA SSDC SYS ACQ OFCR	LTC	51A00	HUNTSVILLE AL	A
SC00013	W4T801	USA SSDC TECH INTR OFCR	MAJ	51A00	HUNTSVILLE AL	S
SC00014	W4T801	USA SSDC R&D COORDINATOR	MAJ	51A00	HUNTSVILLE AL	S
SC00043	W4T801	USA SSDC PM ASAT	COL	51A00	HUNTSVILLE AL	A
SC00064	W4T801	USA SSDC PGM INTGTN OFF	LTC	51A14	HUNTSVILLE AL	S
SC00018	W4T801	USA SSDC PM HYPERVELOCITY	LTC	51A00	HUNTSVILLE AL	A
SC00020	W4T801	USA SSDC SR R&D COORD	LTC	51A00	HUNTSVILLE AL	A
SC00021	W4T801	USA SSDC R&D COORDINATOR	CPT	51A00	HUNTSVILLE AL	S
SC00022	W4T801	USA SSDC R&D COORD ROC COM	MAJ	51A00	HUNTSVILLE AL	S
SC00024	W4T801	USA SSDC R&D CRD, SYS DIR	MAJ	51A00	HUNTSVILLE AL	S
SC00038	W4T801	USA SSDC R&D CRD THAAD	MAJ	51A00	HUNTSVILLE AL	S
SC00028	W4T801	USA SSDC T&E OFFICER	MAJ	51A14	HUNTSVILLE AL	T
SC00036	W4T801	USA SSDC PM EADTB	LTC	51A00	HUNTSVILLE AL	A
SC00037	W4T801	USA SSDC R&D CRD EADTB OFC	MAJ	51A00	HUNTSVILLE AL	S
SC00026	W4T801	USA SSDC TST CTL OFCR	MAJ	51A00	HUNTSVILLE AL	T
SC00027	W4T801	USA SSDC R&D COORDINATOR	LTC	51A15	HUNTSVILLE AL	A
SC00033	W4T801	USA SSDC DIR HELSTF	COL	51A00	WSMR NM	T
SC00034	W4T801	USA SSDC R&D COORDINATOR	MAJ	51A00	HUNTSVILLE AL	S
SC00041	W4T801	USA SSDC ASST DEPUTY, NTB	LTC	51A00	HUNTSVILLE AL	A
SC00042	W4T801	USA SSDC INTEG SIM & TEST	MAJ	51A00	COLORADO SPRINGS	T
SC00065	W4T801	USA SSDC C, TECH ASSESSMNT	LTC	51A00	HUNTSVILLE AL	S
SC00044	W4T801	USA SSDC SYS INTGRTN OFF	MAJ	51A00	HUNTSVILLE AL	S
SC00047	W4T802	USA SSDC - KWAJ COMMANDER	LTC	51A00	KWAJALEIN ATOLL	T
SC00048	W4T802	USA SSDC - KWAJ C, RANGE OPNS	MAJ	51A00	KWAJALEIN ATOLL	S
SC00049	W4T802	USA SSDC - KWAJ MISSION CTRL	CPT	51A00	KWAJALEIN ATOLL	T
SC00050	W4T802	USA SSDC - KWAJ MISSION CTRL	CPT	51A00	KWAJALEIN ATOLL	T
SC00051	W4T802	USA SSDC - KWAJ MISSION CTRL	CPT	51A00	KWAJALEIN ATOLL	T
SC00001	W4T8AA	USA SSDC EXECUTIVE OFFICER	COL	51A14	ARLINGTON VA	A
SC00062	W4T8AA	USA SSDC ACS, PA&E OFF	COL	51A14	ARLINGTON VA	V
SC00055	W4T8AA	USA SSDC STAFF OFFICER	LTC	53B00	ARLINGTON VA	S
SC00056	W4T8AA	USA SSDC STAFF OFFICER	LTC	51D14	ARLINGTON VA	T
SC00057	W4T8AA	USA SSDC STAFF OFFICER	LTC	51A14	ARLINGTON VA	T
SC00054	W4T8AA	USA SSDC STAFF OFFICER	LTC	51A00	ARLINGTON VA	T
SC00053	W4T8AA	USA SSDC STAFF OFFICER	LTC	51A00	ARLINGTON VA	T
CZ00131	W4ULAA	PERSINSCOM DEP CDR	COL	53C00	ALEXANDRIA VA	A
CZ00132	W4ULAA	PERSINSCOM PM KEYSTONE	LTC	53C00	ALEXANDRIA VA	A
CZ00133	W4ULAA	PERSINSCOM AD PROC OFCR	COL	53C00	ALEXANDRIA VA	R
CZ00134	W4URAA	ARMY RPCNTR COMMANDER	COL	53C00	ST LOUIS MO	R
CZ00135	W4USAA	USAISC HFMN DIRECTOR	COL	53C00	ALEXANDRIA VA	R
CZ00136	W4USAA	USAISC HFMN C, NETWORK BR	LTC	53C00	ALEXANDRIA VA	R
X100628	W4UVAA	D-SAFE KOREA COMMANDER	LTC	97A92	SEOUL KOREA	G
AS00012	W4V0AA	INSCOM -SAA R&D OFFICER	LTC	51A00	FALLS CHURCH VA	A
AS00013	W4V0AA	INSCOM -SAA SENIOR TEST ENGR	MAJ	51A00	FALLS CHURCH VA	T
AS00014	W4V0AA	INSCOM -SAA R&D OFFICER	MAJ	51A00	FALLS CHURCH VA	S
AS00015	W4V0AA	INSCOM -SAA R&D OFFICER	CPT	51A00	FALLS CHURCH VA	S
TC00195	W4W6AA	JRTC CONTRACT MGT OFCR	MAJ	97A00	FT CHAFFEE AR	C
JA00063	W4W8AA	USAE PACOM MGR, ARMY PRGMS	LTC	51A00	SEOUL KOREA	S
SF00115	W4XFAA	COM-ELEC SVC AG C, SCIENTIST	MAJ	53B00	PENTAGON	R
SF00118	W4XFAA	COM-ELEC SVC AG AI ROBOTICS	MAJ	51A00	PENTAGON	S
SF00116	W4XFAA	COM-ELEC SVC AG C, KNOWLEDGE	MAJ	53B00	PENTAGON	S
SF00119	W4XFAA	COM-ELEC SVC AG SR AI/SYS AUTO	MAJ	53B00	PENTAGON	R
SF00120	W4XFAA	COM-ELEC SVC AG SR AI/SYS AUTO	MAJ	53B00	PENTAGON	R
SF00117	W4XFAA	COM-ELEC SVC AG AI/SYS AUTO	CPT	53B00	PENTAGON	R
SC00058	W4XQAA	SPACECOM GPS OPS OFCR	MAJ	51A14	COLORADO SPRINGS	A
SC00059	W4XQAA	SPACECOM SPACE R&D/ACQ	MAJ	51A00	COLORADO SPRINGS	A
SC00060	W4XQAA	SPACECOM C2 OFFICER	MAJ	53B25	COLORADO SPRINGS	R
SC00061	W4XQAA	SPACECOM SPACE OPS/NASA	MAJ	51A15	HOUSTON TX	A
CZ00137	W4Z0AA	SDC-WASH COMMANDER	COL	53C00	FALLS CHURCH VA	A
CZ00138	W4Z0AA	SDC-WASH C, SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00139	W4Z0AA	SDC-WASH SFTWR ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00140	W4Z0AA	SDC-WASH C, SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00142	W4Z0AA	SDC-WASH C, SYS AUTO	LTC	53C42	FALLS CHURCH VA	S
CZ00145	W4Z0AA	SDC-WASH SYS AUTO ENGR	MAJ	53B00	FALLS CHURCH VA	S
CZ00143	W4Z0AA	SDC-WASH SYS AUTO ENGR	MAJ	53B00	FALLS CHURCH VA	S
CZ00144	W4Z0AA	SDC-WASH SYS AUTO ENGR	MAJ	53B00	FALLS CHURCH VA	S
CZ00146	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00148	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00147	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00149	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00150	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00151	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00154	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00152	W4Z0AA	SDC-WASH SYS AUTO ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00155	W4Z0AA	SDC-WASH C, SYS AUTO	LTC	53C00	FALLS CHURCH VA	S
CZ00156	W4Z0AA	SDC-WASH SYS AUTO ENGR	MAJ	53B00	FALLS CHURCH VA	S
CZ00157	W4Z0AA	SDC-WASH SYS ENGR	CPT	53B00	FALLS CHURCH VA	S
CZ00158	W4Z0AA	SDC-WASH C, SYS AUTO	CPT	53B00	FALLS CHURCH VA	S
CZ00169	W4Z0AA	SDC-WASH AUTO MGMNT OFF	MAJ	53B00	FALLS CHURCH VA	R
CZ00170	W4Z0AA	SDC-WASH SOFTWARE ENGINEER	CPT	53B00	FALLS CHURCH VA	R
CZ00159	W4Z2AA	SDC-HUACH COMMANDER	COL	53C00	FT HUACHUCA AZ	A
CZ00160	W4Z2AA	SDC-HUACH SR SFTWR EN	MAJ	53B00	FT HUACHUCA AZ	R
CZ00161	W4Z2AA	SDC-HUACH SOFTWARE ENGR	CPT	53B00	FT HUACHUCA AZ	S
CZ00162	W4Z2AA	SDC-HUACH SOFTWARE ENGR	CPT	53B00	FT HUACHUCA AZ	R
CZ00163	W4Z2AA	SDC-HUACH SOFTWARE ENGR	CPT	53B00	FT HUACHUCA AZ	R
CZ00164	W4Z2AA	SDC-HUACH SOFTWARE ENGR	CPT	53B00	FT HUACHUCA AZ	R
FC00017	WA96AA	593 SPT GRP CONTRACTING OFCR	CPT	97A00	FT LEWIS WA	C
FC00018	WAB8AA	101ST AA DISCOM CONT OFCR	CPT	97A00	FT CAMPBELL KY	C
FC00019	WAB8AA	101ST AA DISCOM CONT OFCR	MAJ	97A00	FT CAMPBELL KY	C
FC00020	WABEAA	82ND ABN DISCOM CONT OFCR	CPT	97A00	FT BRAGG NC	C
FC00021	WABEAA	82ND ABN DISCOM CONT OFCR	MAJ	97A00	FT BRAGG NC	C
FC00022	WAGKAA	1ST CAV DISCOM CONT OFCR	MAJ	97A00	FT HOOD TX	C
FC00023	WAGKAA	1ST CAV DISCOM CONT OFCR	CPT	97A00	FT HOOD TX	C
FC00024	WAHHAA	1ST ID DISCOM CONT OFCR	MAJ	97A00	FT RILEY KS	C
FC00025	WAHHAA	1ST ID DISCOM CONT OFCR	CPT	97A00	FT RILEY KS	C
FC00026	WAJ7AA	4TH ID DISCOM CONT OFCR	MAJ	97A00	FT CARSON CO	C
FC00027	WAJ7AA	4TH ID DISCOM CONT OFCR	CPT	97A00	FT CARSON CO	C
P100001	WAL4AA	25TH ID DISCOM CONT OFCR	MAJ	97A00	SCHOFIELD BRKS HI	C
P100002	WAL4AA	25TH ID DISCOM CONT OFCR	CPT	97A00	SCHOFIELD BRKS HI	C
FC00030	WANQAA	2ND AD DISCOM CONT OFCR	MAJ	97A00	FT HOOD TX	C
FC00031	WANQAA	2ND AD DISCOM CONT OFCR	CPT	97A00	FT HOOD TX	C
FC00032	WAQSAA	24TH ID DISCOM CONT OFCR	MAJ	97A00	FT STEWART GA	C
FC00033	WAQSAA	24TH ID DISCOM CONT OFCR	CPT	97A00	FT STEWART GA	C
FC00034	WATGAA	3D ARMY PROC STAFF OFCR	MAJ	97A00	FT MCPHERSON GA	C
E100013	WATLAA	HQ USAREUR PARC/CDR USACCE	COL	97A00	GERMANY	C
E100014	WATLAA	HQ USAREUR PROC STAFF OFCR	MAJ	97A00	GERMANY	C
FC00036	WBG2AA	4 MAT MGT CONTRACTING OFCR	MAJ	97A00	FT HOOD TX	C
FC00037	WBG2AA	4 MAT MGT CONTRACTING OFCR	MAJ	97A00	FT HOOD TX	C
FC00038	WBGUAA	1 CORPS SPT C, COSCOM CONT EL	LTC	97A00	FT BRAGG NC	C
FC00039	WBGUAA	1 CORPS SPT CONTRACTING OFCR	MAJ	97A00	FT BRAGG NC	C
FC00040	WBGZAA	2 MAT MGT CONTRACTING OFCR	MAJ	97A00	FT BRAGG NC	C
FC00041	WBGZAA	2 MAT MGT CONTRACTING OFCR	MAJ	97A00	FT BRAGG NC	C
E100015	WC0GAA	21 TAACOM CONTRACTING OFCR	MAJ	97A00	GERMANY	C
FC00042	WC3BAA	355 CNTR SPT CONTRACTING OFCR	CPT	97A00	FT LEWIS WA	C
FC00043	WC3KAA	390 CNTR SPT CONTRACTING OFCR	CPT	97A00	FT CAMPBELL KY	C
FC00064	WCB2AA	135 QM COMPANY CONT OFCR	CPT	97A00	FT HOOD TX	C
FC00044	WCY2AA	101 SPT GRP CONTRACTING OFCR	CPT	97A00	FT CAMPBELL KY	C
FC00045	WD1HAA	7 GRP TERM CONTRACTING OFCR	CPT	97A00	FT EUSTIS VA	C
FC00046	WD8ZAA	10TH MTN DISCOM CONT OFCR	CPT	97A00	FT DRUM NY	C
FC00047	WD8ZAA	10TH MTN DISCOM CONT OFCR	MAJ	97A00	FT DRUM NY	C
P100003	WDCAAA	17TH ASG USARJ CONT OFCR	MAJ	97A00	HONSHU JAPAN	C
FC00048	WDF9AA	507 SPT GRP CONTRACTING OFCR	CPT	97A00	FT BRAGG NC	C
FC00049	WDHEAA	43 CORPS SPT CONTRACTING OFCR	CPT	97A00	FT CARSON CO	C
P100006	WDPRAA	706TH SPT BN CONTRACTING OFCR	MAJ	97A00	FT RICHARDSON AK	C
P100007	WDPRAA	706TH SPT BN CONTRACTING OFCR	CPT	97A00	FT RICHARDSON AK	C
P100004	WDQDAA	45 SPT GRP CONTRACTING OFCR	CPT	97A00	SCHOFIELD BKS HI	C
SP00045	WDSTAA	160 SOAR SIMO SYS INTGRTN MNGR	LTC	97A15	FT CAMPBELL KY	A
SP00046	WDSTAA	160 SOAR SIMO TEST & EVAL OFF	MAJ	51A15	FT CAMPBELL KY	A
FC00065	WDZCAA	488 QM COMPANY CONTRACTING OFF	CPT	97A00	FT BRAGG NC	C
P100005	WERGAA	10TH ASG CONTRACTING OFCR	CPT	97A00	OKINAWA JAPAN	C
FC00050	WEXDAA	46 CORPS SPT CONTRACTING OFCR	CPT	97A00	FT BRAGG NC	C

CAREER DEVELOPMENT UPDATE

APN	UIC	UNIT/DUTY TITLE	RANK	PRC	DUTY LOCATION	APC*
FC00051	WFJ1AA	13 CORPS SPT C, COSCOM CONT EL	LTC	97A00	FT HOOD TX	C
FC00052	WFJ1AA	13 CORPS SPT CONTRACTING OFCR	MAJ	97A00	FT HOOD TX	C
CZ00165	WG86AA	5 SIG CMD BRC, DCSPLANS	CPT	53B00	WORMS GERMANY	R
CZ00167	WG86AA	5 SIG CMD C, C4 BR	LTC	53C00	WORMS GERMANY	R
FC00053	WHEBAA	140 CNTR SPT CONTRACTING OFCR	CPT	97A00	FT BRAGG NC	C
FC00054	WHECAA	160 CNTR SPT CONTRACTING OFCR	CPT	97A00	FT EUSTIS VA	C
SU00008	WJB8AA	41 AREA SPT GRP PROC OFF	CPT	97A00	FT CLAYTON PANAMA	C
SU00007	WJB8AA	41 AREA SPT GRP CONT OFF	CPT	97A00	FT CLAYTON PANAMA	C
FC00055	WJDQAA	20 MAT MGT CTR CONT OFF	MAJ	97A00	FT LEWIS WA	C
FC00056	WJEMAA	24 CORPS SPT GP CONT OFCR	CPT	97A00	FT STEWART GA	C
FC00057	WJENAA	64 CORPS SPT GP CONT OFCR	CPT	97A00	FT LEWIS WA	C
SP00021	WXXXXX	SPEC PRGMS ACQ MANAGER	CPT	51A00		A
SP00036	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	97A00		C
SP00022	WXXXXX	SPEC PRGMS ACQ MANAGER	LTC	51A00		A
SP00050	WXXXXX	SPEC PRGMS PM SP 202	LTC	51A00	FT EUSTIS VA	A
SP00023	WXXXXX	SPEC PRGMS ACQ MANAGER	LTC	53C00		A
SP00034	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	53B00		A
SP00024	WXXXXX	SPEC PRGMS ACQ MANAGER	LTC	97A00		C
SP00026	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00030	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00031	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00025	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00027	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00028	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00029	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	51A00		A
SP00032	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	53B00		A
SP00037	WXXXXX	SPEC PRGMS ACQ MANAGER	MAJ	97A00		C

**Acquisition Position Categories - Functional subsets of acquisition positions. There are fourteen acquisition position categories: Program management (A); Program management oversight (V); Communication-computer systems (R); Contracting (to include contracting for construction) (C); Purchasing (to include procurement assistant) (E); Industrial property management (D); Business, cost estimating and financial management (K); Auditing (U); Quality assurance (H); Manufacturing and production (G); Acquisition logistics (L); Systems planning, research, development and engineering (S); Test and evaluation engineering (T); Education, training and career development (X).*

BOOKS

Procurement and Public Management - The Fear of Discretion and the Quality of Government Performance

By Steven Kelman
The AEI Press, Publisher for the American Enterprise Institute, Washington, DC

Reviewed by Joe Sites, vice president/director of Defense Systems, Baum Romstedt Technology Research Corporation, Fairfax, VA.

Very simply, this book should be on the "must read" list for every government employee who works with contracting. It should also be on the "must read" list for critics of government contracting and those who try to improve government contracting.

In Appendix B, the author presents nine case studies in which government agencies contracted for computer related support. Each case study tells the procurement story from the identification of need to a discussion of satisfaction with the vendor's work. In each case, it is evident that the government could have made a better deal. In Appendix A, the author describes his methodology for developing the case studies, and the conduct of a Government Managers Survey and a Private Sector Survey. Based on the work in these appendices, the author prepared the relatively short text of 105 pages which is basically a summary of the lessons learned from the case studies.

Dr. Kelman's first sentence is: "The procurement system in the federal government is in trouble." Unlike so many critics of government procurement, the author does not proceed to blame the individual federal employee or the federal agency involved, rather he blames the system.

The author provides an excellent one paragraph summary. "I, too, believe that the government often fails to get the most it can from vendors. In contrast to the conventional view, however, I believe that the system of competition as it is typically envisioned and the controls against favoritism and corruption as they typically occur are more often the source of the problem than the solution to it. The problem with the current system is that public officials cannot use common sense and good judgment in ways that would promote better vendor performance. I believe that the system should be significantly deregulated to allow public officials greater discretion. I believe that the ability to exercise discretion would allow government to gain greater value from procurement."

In the chapter, "The Tyranny of the Proposal," Dr. Kelman emphasizes that in making awards, federal officials, for all intents and purposes, are restricted to considering only the material provided by vendors in their proposals. Information obtained from sources other than the vendor is often considered subjective and is not taken into the evaluation process. Further, federal officials are bound to strict interpretations of requirements as stated in the requests for proposals. The inability to consider the past performance of vendors presents a real stumbling block. In several of the case studies, derogatory information on past performance was suppressed either for fear of creating gounds for protest or for lack of means of introducing such information into the evaluation. In one case study, an unsuccessful vendor proposed work which went beyond the requirements. The value added was obvious, but a means of factoring the value added was not available or apparent to the government.

Some of Dr. Kelman's conclusions and recommendation are:

In extremely complicated projects, the government cannot envision all the pitfalls and should often take an incremental approach.

Public officials need to be given more discretion.

"Statutory authorization for experiments in eliminating most procurement rules in favor of a regime with only two broad procedural requirements—written justification for each procurement decision and multiple-member evaluation panels to reach decisions."

Look for ways to compensate for problems caused by the system, for example, consider long-term contracts.

Include past performance as a formal evaluation factor in the normal evaluation system.

In 1992, the Army Materiel Command began a far reaching Acquisition Improvement Training Program. Although this AMC Program addressed many of the issues identified by Dr. Kelman, experience has taught that changing the procurement system will not be easy. It will require continuous attention from top to bottom, however, the potential benefits are so great that it is worth the effort.

Dr. Kelman's book provides an excellent insight into government procurement problems and possible improvements. These views are particularly important since Dr. Kelman is now the administrator for the Office of Federal Procurement Policy. In this position he will be responsible for overseeing procurement policy for the entire U.S. government. We should all wish him well.

Liberation Management: Necessary Disorganization for the Nanosecond Nineties

By Tom Peters
First Edition
Alfred A. Knopf, Inc.
New York, NY (1993)

Reviewed by CPT(P) Thomas B. Gilbert, an Acquisition Corps officer assigned to the Directorate of Combat Developments, U.S. Army Signal Center, Fort Gordon, GA. He has been a frequent contributor to *Army RD&A Bulletin*.

Just when you thought it was safe to return to the management and business book section, Tom Peters strikes again. The renowned author of numerous management books, articles, and seminars, Tom Peters has returned with his latest contribution to the art of management. Throughout his literary profession, he has campaigned for downsized bureaucracy, waste reduction, employee empowerment, and optimized organizational efficiency. Since his debut with *In Search of Excellence*, and his follow-on books, *Passion for Excellence* and *Thriving on Chaos*, Tom Peters has won a solid following among high level management and a large contemporary audience.

Tom Peters is an energetic antagonist of any entrenched bureaucracy. As the title entails, he advocates liberating management thought, process, and action to optimize the potential of people and the organization. One of his key themes is to flatten the hierarchy in organizations to increase organizational effectiveness at all levels.

This book is presented more as a source of managerial enlightenment than as a sequential guide to management practices. The reader searching for procedural checklists, block diagrams, or flow charts leading to management nirvana may be disappointed. The book makes interesting reading and, through penetrating case studies, freely dissects hundreds of companies and organizations. Tom Peters' crisp writing style and penetrating presentation techniques are more than sufficient to make this 800-plus page book worthwhile. To illustrate his irreverence to staid management thought, he assigned unusual section titles in unexpected fashions (such as "Unglued Organizations," "Computer Nerd CEOs," "Reversing Hyperspecialization...," and "Quantum Mechanic's Antirealism,") yet the author maintains your interest through it all with humorous organization gaffs and unique solutions.

The most succinct sections appear toward the end of the book, where, I suppose, he was trying to sum up the flood of information and channel it into a stream of useful concepts. In "Organizing's New Paradoxes," he bares the soul of successful Liberation Management. After researching the organizational mechanics of over a hundred successful companies, the following trends were noted:

(1) *Organizing/focusing and disorganizing/de-integrating.* While the best companies are reorganizing to be more focused and efficient, at the same time they are realigning responsibilities to the lower levels. Disorganizing creates more independent subunits and de-integrating permits effective alternatives beyond the established hierarchy.

(2) *Smaller and Bigger.* American business has grown smaller (in case you didn't know by now—so has the military). Successful companies have flattened the hierarchy and focused on the few select tasks that make a difference. At the same time, companies are becoming bigger through networking, interdependency, fluid affiliations, reduction of barriers, and rapid access to information.

(3) *Accountability and Teamwork.* The matrix organization, where individual parts are concerned primarily with their functional or specialized task, is being molded into more accountable and responsive "network teams." As a member of a task organized team with defined expectations, accountability is inherent.

(4) *Autonomy and Partnership.* In line with the maxim to empower employees, subordinates are permitted more latitude and autonomy. They are encouraged to manage their areas of responsibility to a greater degree. The employee functions as a member of a self-directed work team with minimal direct supervision. The granting of measured autonomy still requires the need for control. The most dynamic companies strive to develop a bond with the employee to form a genuine partnership for success. This partnership is guided by a highly focused strategic vision, crystal clear objectives, and the means and resources to accomplish them (sound familiar?).

(5) *More Speciality/Expertise Development and Less Specialist/Expert Staffs.* Skill development for the individual has become more important than ever before. Highly trained, motivated, and adept personnel with initiative are the hallmark of the best organizations. The large, matrix oriented, functional staffs—the former center of expertise are rapidly being displaced in the most prosperous organizations.

Arguably the single most liberating aspect of this management philosophy is granting the subordinate the freedom to fail. Subordinates that perceive failure as a fatal organizational blunder are incapable of optimizing the potential of their organization. As Peters writes, "...too often we forget that the freedom to fail and try again is the essence of liberation, in America or elsewhere."

Dramatic cuts in the Army RD&A budget have led many to despair at the potential reduction in quality and quantity of future systems. During the recent economic downturn, the civilian sector experienced similar restructuring, adapted, and is bouncing back. To quote Liberation Management, "Each day brings another 30 software programs and another 40...products to the American marketplace." To the RD&A specialist, this recent staccato launch of products represents successful research and development activities conducted during times of austerity. Granted, these products vary from basic consumer goods to complex industrial works of wonder. The fact is that these companies have survived and are producing quality products. The healthy survivors are the ones that rapidly define the needs of their customer, initiate R&D action to determine the best product configuration, jump start production, and distribute to the consumer where and when the product is needed. Perhaps we do have something to learn from our civilian counterparts to meet the needs of our customers—the soldier and his mission.

RD&A NEWS BRIEFS

Topographic Engineering Center Announces Reorganization

The U.S. Army Topographic Engineering Center's (TEC) Director Walter E. Boge recently announced a major reorganization for the agency, located at Alexandria, VA. The reorganization includes restructuring of TEC's key management positions. Previously, TEC's senior staff included the director, deputy director and commander, associate director for technology and associate director for operations. These positions were supplemented by a staff of managing directors from each of TEC's laboratories, centers and research institute.

Today TEC is realigned to include three mission-essential areas. According to TEC's director, each of these key directorates has been established to provide more effective production, eliminate function overlaps and better meet the challenges of today's changing missions.

The new directorates are the Directorate of Programs headed by Frank Capece which retains the Digital Concepts and Analysis Center, and includes the Topographic Systems Laboratory and the Force Development Systems Laboratory; the Directorate of Technology under Dr. Richard Gomez which includes the Remote Sensing Laboratory; Geographic Information Laboratory, and the Simulation and Visualization Laboratory; and the Directorate of Operations managed by Ted Howard which includes the Terrain Analysis Center, Product Generation Center and the Forces Support Center. "I believe our new organizational structure gives us maximum advantage and flexibility," said Boge.

Other benefits of TEC's reorganization include response to the corps' mandate to reduce the numbers of supervisors and high-grade positions, and the more efficient use of current resources. The new structure is intended to meet these requirements while continuing to provide organizational excellence.

Coincidental to TEC's new structure comes a new mailing address. Although TEC remains in the same physical location, the address, formerly Fort Belvoir, VA, is now: Director, U.S. Army Topographic Engineering Center, 7701 Telegraph Road, Alexandria, VA 22310-3864.

Army Realigns PM Offices

The Department of the Army has announced the consolidation and termination of some of its program management offices. The action will be under the oversight of the Office of the Assistant Secretary of the Army for Research, Development and Acquisition. Specifically, the Army will eliminate approximately 35 project and product manager positions and reduce the overall end strength of program executive offices by approximately 300 positions by the end of FY 96.

Significant realignments, consistent with the Army's modernization vision, include establishment of a Program Executive Office for Field Artillery Systems (PEO, FAS) and transfer of the Project Management Offices for the Advanced Field Artillery System and Future Armored Resupply Vehicle to PEO, FAS. The PEO, Armaments will be disestablished, while the Sense and Destroy Armor, PALADIN, and Field Artillery Ammunition Supply Vehicle projects will be transferred to PEO, FAS.

Also, project management offices for Tank Main Armament Systems and Mines, Countermine and Demolitions will be transferred to the PEO, Armored Systems Modernization (ASM). This realignment places all cannon precision strike systems in PEO, FAS while allowing PEO, ASM to focus on significant upgrades to the M1 Abrams, M2 Bradley and the Command and Control Vehicle of the maneuver force.

Additional realignments are planned for project management offices within PEO, Communications Systems (COMM) and PEO, Command and Control Systems (CCS).

The intent of the announced realignments is to provide more focused management on key modernization objectives while achieving cost and personnel reductions in consonance with Army downsizing goals.

TARDEC Receives National Award for Quality

The Federal Quality Institute recently announced that the U.S. Army Tank-Automotive Research, Development and Engineering Center (TARDEC), Warren, MI, is the recipient of the prestigious Quality Improvement Prototype Award. TARDEC is the first U.S. Army organization to earn this honor and is one of only 22 federal government organizations that has won the award since its inception in 1989.

The QIP Award is presented annually to federal organizations that achieve high standards of quality in the delivery of products and services. TARDEC representatives will attend an award ceremony in Washington, DC, where President Bill Clinton or Vice President Al Gore will preside.

"This award recognizes the dedication to quality from the women and men of TARDEC, as well as the commitment and guidance of our leader, Dr. Kenneth Oscar," said Michael Bailey, TARDEC's Total Quality Management coordinator. "Our unswerving commitment to quality leads to better services and products, lower costs, and more satisfied customers," he added.

Bailey also said that TARDEC will now serve as a role model to the rest of the federal government. Other organizations will be able to borrow or "benchmark" TARDEC's strategic planning process, leadership commitment, quality training programs, self-directed teams, cross-functional concurrent engineering teams, dedicated customer service, as well as TARDEC's virtual prototyping process.

USAMRDC Becomes USAMRDALC

The U.S. Army Medical Research, Development, Acquisition and Logistics Command (USAMRDALC) (Provisional) was established earlier this year in a brief ceremony at Fort Detrick, MD.

The new command includes the former U.S. Army Medical Research and Development Command, plus the U.S. Army Medical Materiel Activity (USAMMA) at Fort Detrick, and the U.S. Army Health Facilities Planning Activity (HFPA), located at the Office of The Surgeon General, U.S. Army.

The USAMRDALC is a major subordinate command of the U.S. Army Medical Command (Provisional), established Oct., 1, 1993, in concert with the reorganization of the Army Medical Department. The USAMRDALC expands the medical materiel development mission of the USAMRDC to include the USAMMA mission of procuring and fielding new medical equipment for the Army. The new command also assumes the HFPA mission of planning, programming and budgeting for construction of new Army medical facilities.

The headquarters of the new command will remain at Fort Detrick. Approximately 1,285 military and 1,450 civilian personnel are assigned to the command. In addition to five units at Fort Detrick, the command operates units at the Walter Reed Army Medical Center in Washington, DC; Aberdeen Proving Ground, MD; Natick, MA; Fort Rucker, AL; and Fort Sam Houston, TX. The Walter Reed Army Institute of Research also operates four overseas laboratories, in Germany, Kenya, Thailand and Brazil.

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