



# AEROSPACE ACQUISITION 2001

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*AA2001 has a new editor. Check out what Maj Carolyn Campbell has to say in regards to the new year and AA2001.*

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*We're anxious to hear what our readers think about the many improvements we've been making to AA2001. Please take a minute to complete the enclosed questionnaire.*



## A Message from AA2001's New Editor

By Maj Carolyn Campbell, SAF/AQXA

Happy New Year! As the new editor of the Air Force Acquisition Newsletter, I hope you're ready for a new and exciting year. We in SAF/

AQ have planned a year full of useful and dynamic articles. Some of the subjects we plan to cover include: Defense Reform: "A Blueprint for the Future," DoD 5000 updates, the Acquisition Career Development Portal, an introduction to your new acquisition leaders and success stories from the field. We are also planning the transition of the newsletter to a completely electronic one with e-mail distribution.

Last year, we implemented several ideas in order to improve the quality and usefulness of the newsletter. In the coming year, we'd like you, our readers, to play a more active role in guiding the publication. First, we would like for you to

provide your ideas, views and opinions by responding to the "Readership Questionnaire" on page five or visiting our website at [http://www.safaq.hq.af.mil/acq\\_ref/news/](http://www.safaq.hq.af.mil/acq_ref/news/).

Second, we are interested in your success stories. Tell us about the extraordinary things you're doing to implement and enhance acquisition reform at your center. What are you doing that's going to have a lasting impact on the Air Force and the Department of Defense? For guidance on how to submit your stories, visit "Get Published" on page eight.

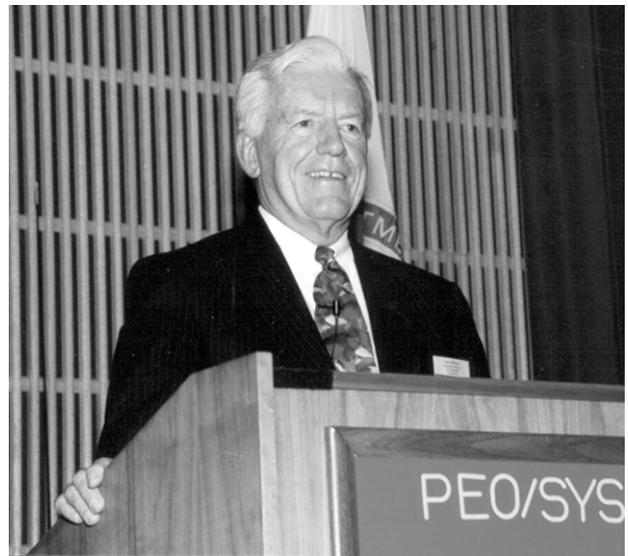
With the New Year comes ideas and strategies for change, but none of it can happen without you. We need your help in making this publication the best in DoD. I hope you share my excitement, and I look forward to hearing from you in the near future!

*"Jump into the middle of things, get your hands dirty, fall flat on your face and then reach for the stars."* Joan L. Curcio

## Fall 2000 PEO/SYSCOM in Review

Representatives from the DoD acquisition, logistics and requirements communities and the defense industry convened at the Defense Systems Management College for the Fall 2000 Program Executive Officer/Systems Command (PEO/SYSCOM) Commanders' Conference and Technology Expo: "Continuous Improvement and Innovation—Everyone's Responsibility." The conference provided program managers, other DoD officials and their industry counterparts a chance to exchange success stories and lessons learned. More than 400 conference attendees witnessed an enlightening line-up of topics, speakers, panelists, tutorials, and exhibits at the three-day event, which was organized under the aegis of the Defense Systems Affordability Council (DSAC).

Attendees shared ideas in a number of panel discussions on important acquisition, sustainment and Science and Technology (S&T) topics including DoD S&T Executives, Civil-Military Integration Perspectives, Balancing Risk with Innovation, Reducing Total Ownership Cost (R-TOC), Evo-



Dr. Lawrence J. Delaney, Assistant Secretary of the Air Force for Acquisition, addresses attendees at the Fall 2000 PEO/SYSCOM Commanders' Conference.

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Front Cover: An F-16C Fighting Falcon from the 416th Flight Test Squadron launches an advanced medium-range air-to-air missile (AMRAAM) over a Navy test range. Photo taken by Tom Reynolds.

## What's News?

### DoDD 5000.1 and DoDI 5000.2 Released 23 October 2000

DoD Directive 5000.1 and DoD Instruction 5000.2 were released 23 October 2000. DoD 5000.2-R, the Regulation, is scheduled to be signed by Dr. Gansler on 4 Jan, 2001. For more information on the initiatives, visit <http://www.acq.osd.mil/ar/>.

### Workforce Final Report Released in October 2000

The Acquisition 2005 Task Force Final Report titled "Shaping the Civilian Acquisition Workforce of the Future" has been signed by Dr. Bernard Rostker, Under Secretary of Defense (Personnel & Readiness) and Dr. Jacques S. Gansler, Under Secretary of Defense (Acquisition, Technology & Logistics). The report provides recommendations on how the Department of Defense can recruit and retain the civilian acquisition workforce needed to address the national security concerns of the coming years. To read the report in its entirety, go to <http://www.acq.osd.mil/yourfuture/report1000.pdf>.

### 17<sup>th</sup> Annual DoD Logistics Conference

The 17<sup>th</sup> annual Department of Defense Logistics Conference, sponsored by the National Defense Industrial Association's Logistics Management Committee and the Deputy Under Secretary of Defense (Logistics and Material Readiness), will be held on March 5-8, 2001, in San Antonio, Texas. This year's focus is Revitalizing America's Defense, and topics will include logistics, acquisition, and financial reform. For more information on this conference, visit <http://www.ndia.org/events/brochure/173/173.htm>.

### Technology Transition Conference 2000

The Technology Transition Conference 2000 was held 8-9 November 2000. The conference was co-hosted by the Commercial Operations and Support Savings Initiative and the Dual Use Science and Technology Program. For information on the event, refer to the website <http://www.ncat.com/cossi/>.

### AIAA—Defense Reform 2001: "A Blueprint for Partnerships and Focused Results"

The American Institute of Aeronautics & Astronautics (AIAA) and Defense News are co-sponsoring the AIAA—Defense Reform 2001: "A Blueprint for Partnerships and Focused Results" conference that will be held February 14-15, 2001, in Washington, D.C. The objective of the conference is to provide an opportunity for key industry and executive branch leaders, together with Congressional and Wall Street leaders, to evaluate the current status of defense reform and to address future initiatives.

For more information, visit <http://www.aiaa.org/calendar/index.html> scroll down to "Defense Reform 2001 Conference and Exhibit."

*The opinions expressed in this newsletter are not necessarily those of the United States Air Force, its employees, or subcontractors.*

## AWACS Online Technical Orders Meet IOC

By Kimberly Ponders, ESC/AWB

The Airborne Warning and Control System (AWACS) Program Office at Hanscom AFB reached a major milestone when the 962<sup>nd</sup> Airborne Aircraft Control Squadron at Elmendorf AFB achieved initial operating capability with the E-3 Integrated Technical Order Online System in August 2000. As a result, AWACS became the first Air Force weapon system with the ability to view technical orders online.

In October 1997, the program office, along with the Oklahoma City Air Logistics Center AWACS Engineering Branch at Tinker AFB, established a vision to support its users with online, state-of-the-art electronic technical manuals. The

online system is projected to make more than 150,000 pages of 275 AWACS technical orders available on the web by the end of 2002. When complete, the entire digitization process is expected to save more than \$500,000 per year in acquisition and sustainment funding—a savings of \$800,000 has already been realized.

Driving the migration to an interactive online system was an integrated product team consisting of military acquisition, equipment specialists, and flight line technicians working hand-in-hand with civilian contractors. The monumental

*(Continued on page 7)*

# First CLEPIR Spectacles Delivered to AFSOC

By Dr. James Rader & Mr Rudy Purificato

On 29 September 2000, the Human Systems Program Office delivered the first Clear Laser Eye Protection Infrared (CLEPIR) spectacles to Air Force Special Operations Command (AFSOC). CLEPIR, which is the first phase of an evolutionary development to provide better laser eye protection to warriors in the field, was completed in only five months. CLEPIR spectacles can be used day or night and provide a solution to problems caused by current dye-based (dark) glasses or in-helmet visors which can obscure the pilot's ability to see cockpit instrumentation at night.

Due to several laser incidents in the Balkans in the late 1990s, the Air Force Chief of Staff, Gen Michael Ryan, challenged the Air Force Research and Development community to develop a "quick fix" to counter the threat. The Human Systems Program Office, in partnership with Air Force Research Laboratory, began the acquisition process in April 2000 after receiving a \$2.4 million Congressional plus-up to execute the program. After an extensive market analysis, the acquisition team chose Pilkington Optronics, a British firm, to quickly mass-produce the CLEPIR spectacles.

CLEPIR spectacles use an advanced application of stacked dielectric film technology to provide protection against laser threats in the infrared range. These threats can cause severe retinal damage or permanent blindness. While CLEPIR is a partial solution to an immediate need, the



*Lt Gen Maxwell C. Bailey, AFSOC/CC, tries on the CLEPIR spectacles as Col Doc Warr, Human Systems Program Office Commander, explains their function.*

Human Systems Program Office, through its Advanced Laser Eye Protection program, is working to provide the next phase of protection by 2003.

For more information on the CLEPIR spectacles, contact either Mr. Gary Trammel, Project Manager for Laser Eye Protection at DSN 240-4549, Comm 210-536-4543 or Maj Al Gracia, Chief of Requirements at DSN 240-2675, Comm 210-536-2675.

## PEO/SYSCOM

*(Continued from page 2)*

lutionary Acquisition at Work, and Industry Associations' Perspectives on Reform's Achievements and Remaining Challenges. In addition, the DoD Technology Expo 2000 took place in conjunction with this conference to give attendees a greater understanding of how they can use S&T assets in their respective programs or portfolios.

Dr. Jacques S. Gansler, the Under Secretary of Defense for Acquisition, Technology, and Logistics, gave his final PEO/SYSCOM Conference keynote address, and he reflected on the challenges and opportunities of the last several years. His message was that dramatic advances in technology and threats to national security caused by world events are driving military operation changes. Dr. Gansler emphasized that the significant progress in acquisition reform over the

past few years has come about through a change in attitude and culture within DoD.

Dr. Lawrence J. Delaney, Assistant Secretary of the Air Force for Acquisition, spoke on the Air Force's acquisition reform achievements and remaining challenges. As the average age of Air Force aircraft continues to rise, Dr. Delaney said future acquisition reform will be centered on the following precepts: reducing cost; reducing cycle time; taking advantage of commercially-available technology; streamlining the acquisition process; using insight, not oversight; and enhancing productivity through information technology.

To view presentations from the Fall 2000 PEO/SYSCOM Conference, go to <http://www.acq.osd.mil/dsac/confern.htm>.

# Readership Questionnaire

Aerospace Acquisition 2001 would like to hear from you! Please take a few minutes to complete this questionnaire. If you would like to complete the online version, visit [http://www.safaq.hq.af.mil/acq\\_ref/news/](http://www.safaq.hq.af.mil/acq_ref/news/). We look forward to your feedback on the recent redesign and also welcome your ideas for upcoming issues.

1) Please rate the following:

	Exceptional	Great	Fair	Poor
Content Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Content Accuracy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Newsletter Format	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) The newsletter is:  Too long  Too short  Just right

3) Do you prefer to receive articles printed in their entirety or highlights of the articles with a link to the website where each complete article can be found?  Full article  Highlights

4) Have you visited the newsletter website, [http://www.safaq.hq.af.mil/acq\\_ref/news/](http://www.safaq.hq.af.mil/acq_ref/news/)?  Yes  No

5) Would you like more copies of the newsletter sent to you for internal distribution?  Yes  No

If yes, please provide the number of copies you would like to receive and your address:

Number of copies \_\_\_\_\_

Address: \_\_\_\_\_

6) Where do you work?

- |  |  |                                       |
|--|--|---------------------------------------|
| <input type="checkbox"/> Product Center              | <input type="checkbox"/> Logistic Center | <input type="checkbox"/> Headquarters |
| <input type="checkbox"/> Major Command               | <input type="checkbox"/> Test Center     | <input type="checkbox"/> Lab          |
| <input type="checkbox"/> Other, please specify _____ |  |                                       |

7) What topics would you like to see covered in future issues? Check all that apply.

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> Reverse Auctioning      | <input type="checkbox"/> Air Force 2020              | <input type="checkbox"/> AQ Career Development              |
| <input type="checkbox"/> Cycle Time Reduction    | <input type="checkbox"/> Workforce 2005              | <input type="checkbox"/> Reduction in Total Ownership Cost  |
| <input type="checkbox"/> Earned Value Management | <input type="checkbox"/> Initiatives in Action       | <input type="checkbox"/> Alternate Dispute Resolution       |
| <input type="checkbox"/> Reform                  | <input type="checkbox"/> Success Stories             | <input type="checkbox"/> Headquarters Air Force 2002        |
| <input type="checkbox"/> DoD 5000 Updates        | <input type="checkbox"/> Policy Interpretation       | <input type="checkbox"/> Defense Systems Management College |
| <input type="checkbox"/> Cost of Delay           | <input type="checkbox"/> Lightning Bolt Initiatives  | <input type="checkbox"/> Integrated Digital Environment     |
| <input type="checkbox"/> Knowledge Management    | <input type="checkbox"/> Other, please specify _____ |   |

8) Additional Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Thank you for taking the time to complete this questionnaire.**

Please return your responses by mail or fax to SAF/AQXA, 1060 Air Force Pentagon  
 Washington, DC 20330-1060, DSN 425-1068, Comm (703) 588-1068

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From:

SAF/AQXA  
1060 Air Force Pentagon  
Washington, DC 20330-1060

ATTN: Mr. Ronald Mason

# AWACS

(Continued from page 3)

task of converting all the data from paper to a computer language called Standard Generalized Markup Language was the responsibility of personnel from TRW Inc., CACIASG, Veridian and Advanced Engineering and Research Associates.

“This was a team effort that included our warfighting customers, contractor partners, the AWACS Engineering Branch [at Tinker], along with members of our staff here working together to achieve this objective,” said Col. Brad Butler, AWACS Program Office Director. “This is another example of how all the members of the acquisition community are coming together to develop better, faster and cheaper solutions for the warfighter.”

A significant achievement of the AWACS system is that it provides access through web technology using Microsoft’s Internet Explorer eXtensible Markup Language (XML) capable web browser, at no cost to the user.

Buying a specialized software viewer would have cost roughly \$2.5 million just to get the initial version up and running. Because the vast majority of the Air Force and supporting customers use Internet Explorer 5.0 and other Windows based software, all authorized users need to view E-3 electronic technical manuals is a user account and password. Once inside, users simply click on hyper-linked text to find the topic they want.

At Elmendorf, the base’s Internet server “pulls” files from a main site. Wing personnel access this local server, which eliminates

the need to wait for data to pass through various Internet bottlenecks. A security benefit is that the system stays within the base’s firewall. In the future, if crew chiefs need to access technical data on the flight line, they will be able to use rugged laptops with all the manuals residing on the hard drive. A separate server will allow users to gain access from anywhere in the world.

This system eliminates most of the paper involved in the technical order process, but it is not completely paperless. The electronic system has improved the process of producing paper copies. For example, equipment specialists will send electronic files directly to the Government Printing Office, cutting up to five months off the processing time needed to make changes to current manuals. Simultaneously, specialists will post changes onto servers at operating locations, giving everyone in the online system access to changes instantaneously.

The system was scheduled to be operational for the 961<sup>st</sup> Airborne Aircraft Control Squadron at Kadena AB, Japan, by the end of October 2000. The 552<sup>nd</sup> Airborne Control Wing at Tinker is slated to begin using the system in 2001.

Now that the XML process is in place, other platforms such as the Joint STARS and the B-1 are expected to share in the cost of expanding the XML viewing capability. Because the same electronic process can be used for any large collection of reference documents, AWACS is also pursuing other possibilities for data management such as linked access to ordering parts from supply, engineering drawings and other data sources.

## Trivia Corner



To test your knowledge of military trivia, two trivia questions will appear in each edition of *Aerospace Acquisition 2001 (AA2001)*. One question will be published in the printed newsletter; the other will be posted on the AA2001 newsletter web site at [www.safaq.hq.af.mil/acq\\_ref/news/](http://www.safaq.hq.af.mil/acq_ref/news/).

Please send all responses by e-mail to [arnews@pentagon.af.mil](mailto:arnews@pentagon.af.mil). When more than one correct response is received, the winner will be determined by the date and time on the response.

Winners will be announced in the following edition of AA2001. Each winner’s name will go into a drawing to be held at the end of the calendar year for the grand prize—a \$50.00 gift certificate to Blockbuster Video. Good luck to everyone!

LAST ISSUE: ANSWER: THE MCARTHURS  
WINNER: RICHARD LEMMONS, PCCIE PGM

QUESTION: WHAT WAS THE NAME OF THE AIRCRAFT THAT DROPPED THE FIRST ATOMIC BOMB ON JAPAN?

*The winner of the AA2000 Trivia \$50.00 gift certificate is Richard Lemmons, PCCIE PGM.  
Thanks to all the participants!*

## Get Published

Aerospace Acquisition 2001 is a bimonthly newsletter published by the Office of the Assistant Secretary of the Air Force (Acquisition). The purpose of the newsletter is to disseminate information pertinent to the professional development of the Air Force Acquisition and Logistics Workforce.

Subject matter may include, but is not limited to, professional development, acquisition reform, acquisition and logistics program accomplishments, technology developments, and policy guidance.

Articles must be no more than three double-spaced, typed pages. Photos may be black and white or color. Please submit illustrations in separate files from text. Photos and illustrations will not be returned unless requested. All scanned photos and illustrations must have a resolution of at least 300 dpi, or prints of all photos may be submitted via U.S. Mail, FedEx, etc.

All articles must be cleared by the author's security/OPSEC office and public affairs office prior to submission. The cover letter accompanying the article must state that these clearances have been obtained and that the article has command approval for open publication. Offices and individuals submitting articles that report Air Force savings must be prepared to quickly provide detailed documentation upon request that verifies cost savings. Authors are requested to include a short biographical sketch.

Submission dates:	<u>Issue</u>	<u>Author's Deadline</u>
	January/February	10 November
	March/April	10 January
	May/June	10 March
	July/August	10 May
	September/October	10 July
	November/December	10 September

To submit an article, please provide manuscripts (MS Word), illustrations (EPS or 300 dpi TIFF or JPEG scans), and photos (glossy prints or 300 dpi TIFF or JPEG) via e-mail at [arnews@pentagon.af.mil](mailto:arnews@pentagon.af.mil) or on a 3 ½ inch floppy disk or a 100-MB ZIP disk via U.S. mail to SAF/AQXA, 1060 Air Force Pentagon, Washington, DC 20330-1060. All submissions must include the author's mailing address and office phone number (DSN and commercial).

Aerospace Acquisition 2001 reserves the right to edit for publication style and clarity.



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