

The **Automated Air Load Planning System (AALPS)** is a knowledge-based expert system that assists users in the complex task of planning and execution of aircraft loads for all types of deployments. It has been selected as the aircraft load planning system for the Department of Defense.

AALPS operates on Pentium computers and is currently fielded to Army, Air Force, Navy, and Marine Corps units throughout CONUS, USAREUR and USARPAC. AALPS is used by contingency planners and force designers to perform air load planning and execution. This entails the use of preplanned data (estimates) and the use of actual data for both "real-world" and "what-if" scenarios. AALPS is used for estimating airlift requirements (by specific aircraft type and delivery method) producing USAF certified "flyable" load plans, providing airlift/movement summary data and load reports ranging from a single mission to full-scale division deployments. The USAF adopted AALPS, in January 2001, for use as air-planning tool for channel traffic air movement of cargo and passengers.

Development of the Prototype AALPS, using the UNIX operating system and Sun host processor, began in 1984 and was completed in 1986. The Military Airlift Command (MAC) approved the system for operational use in 1987. Systems were purchased and fielded to various sites throughout the CONUS and the 25th ID in 1988. The system was later extended to SETAF in Vicenza, Italy. In 1989, the decision was made to make AALPS more widely available by transferring the system's functionality to a portable hardware platform. The porting process was completed on 31 May 1993. The ported system replaced the Prototype AALPS in the field in May 1994 and was subsequently upgraded. In March 1997 AALPS incorporation of a Database Management System (DBMS) was successfully tested. Also, in 1998 the Product Management Office was directed to reengineer AALPS to a windows-based program. This was completed in November 1999. AALPS later versions incorporated interface requirements with the USAF GATES, LOGMOD and CMOS transportation programs. The interface with USMC MDSS II was tested and fielded in 1998; additional updates to the MDSS II interface were completed in October of 2002.

AALPS is currently designated for use on Window NT and Windows 2000 operating systems. Sybase 12.0 is the current Database Management System. If you have any questions or require further information about the software contact the AALPS PM office.

Customer Assistance

Customer assistance is available 24/7 at toll free number: 877-GO-AALPS/ 877-462-2577 **or** commercial (910) 484-4960.

Overseas units may call Ft. Bragg Operator assistance at DSN 236-0011 and ask for 484-4960.

Between 0730 and 1700, Eastern Time (ET), Monday through Friday you will reach the AALPS Training & Assistance Office. At any other time your call will be forwarded to an on-call AALPS Team Member for assistance. If the forwarded call is not answered immediately, please leave a voice mail message and/or telephone number and your call will be returned as soon as possible.

Email and FAX assistance are also available 24 hours per day at aalpsnc@ats.com or aalpsnc@earthlink.net (email) or (910) 484-7450 (FAX) with responses provided the next business day.

TRAINING & ASSISTANCE

The Automated Air Load Planning System (AALPS) **Training & Assistance Office** is located at 2545 Ravenhill Dr., Suite 101, Fayetteville, NC, 28303. This facility offers **weekly classes** on the use of the system, offered at **no cost to units**. These classes are 40 hours in duration, and are offered every week in which there is no federal holiday, upon successful completion, the students are given a Certificate of Training. Each class accommodates up to 14 students, with priority given to those attending in a TDY status. Class slots for the course **must be reserved** by contacting the **AALPS Training and Assistance office** toll free at (877) GOAALPS (462-2577), commercial at (910) 484-4960, FAX (910) 484-7450, email aalpsnc@ats.com, or aalpsnc@earthlink.net. Overseas units may call Ft. Bragg Operator assistance at DSN 236-0011 and ask for 484-4960.

Auxiliary User Trainer Certification is available for individuals who have a requirement to conduct AALPS training at their site. To schedule auxiliary user training, contact Mr. Willie T. Moore, MTMC, (703) 428-2029, or by email at moorew@mtmc.army.mil.

Mobile Training Teams are available for up to 12 students. To schedule mobile training, contact Mr. Willie T. Moore, MTMC, (703) 428-2029, or by email at moorew@mtmc.army.mil.

**AALPS User Training Schedule
Thru April 2003**

December 2-6, 2001	February 3-7, 2003	March 24-28, 2003
December 9-13, 2001	February 10-14, 2003	March 31 – April 4, 2003
December 16-20, 2001	February 24-28, 2003	April 7-11, 2003
January 6-10, 2003	March 3-7, 2003	April 14-18, 2003
January 13-17, 2003	March 10-14, 2003	April 21-25, 2003
January 27-31, 2003	March 17-21, 2003	April 28 - May 2, 2003

**AALPS Auxiliary User Training Certification Schedule
Thru April 2003**

January 27 - February 14, 2003	March 17 - April 4, 2003
February 24 - March 14, 2003	April 7-25, 2003

Software Installation

To request software and/or upgrades complete the attached form.

AALPS 4.2 INSTALLATION REPORT

HARDWARE

Computer:	Brand:	
	Model:	
	Serial Number:	

AALPS 4.1 INSTALLATION

Date AALPS 4.2 Installed:	
---------------------------	--

CONTACT INFORMATION

POC Name & Title/Rank:	
Mailing Address Line 1*:	
Mailing Address Line 2*:	
City:	
State or Country Code:	
Zip or Postal Code:	
Email Address:	
Commercial Telephone Number:	
Commercial FAX Number:	
DSN Telephone Number:	
DSN FAX Number:	
Branch of Service:	
Post:	
Unit Assigned To:	

Email this form to: aalpsnc@ats.com or
aalpsnc@earthlink.net

or

Fax this form to: (910) 484-7450

or

Mail this form to: **AALPS Training & Assistance Office**
2545 Ravenhill Dr., Suite 101
Fayetteville, NC 28303
1-877-GO AALPS

- * For OCONUS FedEx mailing addresses, the following information is mandatory: installation name, building number or name, street address (if available), city, postal code, country code, and commercial telephone number.

You must be logged in as Administrator or have administrator privileges on the local machine.

DO NOT INSTALL AS ADMINISTRATOR ON THE LAN!

Sybase 12.0 Client and Sybase 12.0 Server must be installed prior to installation of AALPS.

Prior to upgrade, you should export all AALPS deployment files.

Call 1-877-GO-AALPS if you have any questions.

Installation procedures are for Windows 2000 and networked Windows NT.

Install MDAC (Microsoft Data Access Components).

1. Log on as **administrator** on the local computer.
2. Go to **My Computer**
3. Select CD-ROM Drive with AALPS 4.2 CD.
4. Select to open the CD-ROM.
5. Select the folder **MDAC**.
6. Select **MDAC setup file**.
7. At the Microsoft Data Access Components 2.0 Setup Window, select [**Yes**] to accept the terms of the license agreement.
8. MDAC begins to install.
9. At the Microsoft Data Access Components 2.0 Setup Window, select [**Continue**].
10. At the Microsoft Data Access Components 2.0 Setup Window, select [**Complete**] to install all data access components.
11. If the **Data Factory Not Installed** Window appears, select [**No**].
12. After the setup searches hardware, select [**Finish**] to begin installation. Setup will continue.
13. At the Restart Windows window, select [**Restart Windows**]. Wait a few seconds then remove the CD from the drive.
14. When installation is complete, select [**Close**].

Install Sybase 12.

Complete this step if you have uninstalled Sybase 11.5. You will need the AALPS 4.2 Installation CD-ROM to complete this step.

1. Log on as **administrator** on the local computer.
2. Go to **My Computer**
3. Select CD-ROM Drive with AALPS 4.2 CD.
4. Select to open the *Sybase 12.0_Client* folder.
5. Scroll to find the **SETUP** icon. Double-click.
6. At the Installation Type Window, select **Customized Install**, then [**Next**].

7. At the Choose Directory Window, select [**Next**], unless you want to change the destination of the install.
8. At Component Selection Window, select [**Clear Selections**], then select
Sybase Central ASE Plug-in
Connectivity
Sybase ASE ODBC Driver
Sybase ASE OLE DB Provider
SQL Remote for ASE
then select [**Next**].
9. At the Summary Window, select [**Next**].
10. At the Create Directory dialog, select [**Yes**].
11. If you receive a File Overwrite dialog about the *msvcrt.dll* file and the numbers are **266293** and **278581**, select [**No**]. If you receive a File Overwrite Dialog about any other files, or if the numbers do not match, select [**Yes**].
12. At the Sybase Installer Dialog, select [**Yes**] to reboot the computer.
13. Log in as **administrator** on the local computer.
14. Sybase 12.0 Client will complete loading. When complete, select [**OK**].
15. Go to **My Computer**.
16. Select CD-ROM Drive with AALPS 4.2 CD.
17. Select to open the *Sybase 12.0_Server* folder.
18. Scroll to find the **SETUP** icon. Double-click.
19. At the Installation Type Window, select *Customized Install*, then [**Next**].
20. At the Choose Directory Window, select [**Next**], unless you want to change the destination of the install.
21. At the Component Selection Window, select [**Clear Selections**], then select
Adaptive Server Enterprise
Full text Search SDS Base Product
then select [**Next**].
22. At the Summary Window, select [**Next**].
23. At the Component Overwrite Dialog, select [**Yes to All**].
24. If you receive a File Overwrite dialog about the *msvcrt.dll* file and the numbers are **266293** and **278581**, (this must be an exact match of both numbers), select [**No**]. If you receive a File Overwrite Dialog about any other files, or if the numbers do not match, select [**Yes**].
25. At the Sybase Installer Dialog, select [**Yes**] to reboot the computer.
26. After logging in as **administrator** of the local computer, the installation process will resume automatically.
27. At the Sybase License Management Dialog select [**Yes**] to register.
28. At the Sybase License Management Window, type in the following information:
Order Number: **632151-28**
Feature Name: **ASE_SERVER**
Feature Count: **1**
Software Version: **12.0**
Authorization Code: **FD2F6AA0DD2D**
Then select [**Continue Install**].
29. At the Sybase Installer Dialog, select [**Yes**] to configure Adapter Server Enterprise.

30. At the Configure Sybase Servers Window, select [**Create Adaptive Server**].
31. At the Adaptive Server Name Dialog rename the adaptive server AALPS and select [**Continue**].
32. At the Set Master Device Size/Location Window, change the Master Device size to **50**, select [**Continue**].
33. At the Set System Procedures Device Size/Location Window, do not make any changes, select [**Continue**].
34. At the Adaptive Server Options Window, select [**Configure Default XP Server**].
35. At the Configure Default XP Server Window, select [**Network Addresses**].
36. Select [**Add**] at the Network Connections Dialog.
37. At the Enter Connection Dialog, select *TCP Winsock TCP/IP Net-Library driver* for protocol. At Connection Info type in **AALPS,5004**. Click [**OK**].
38. Click on [**Add**] again at the Network Connections Window.
39. Select the down arrow at the protocol field and select *NAMEPIPE Named Pipes Net-Library driver*.
40. Change connection info by backspacing through the information in the field and typing **\pipe\sybase\XPS**, then click [**OK**].
41. Click [**OK**] at Network Connections Window.
42. Click [**OK**] at Configure Default XP Server Window.
43. At the Adaptive Server Options Window, select [**Network Addresses**].
44. At the Network Connections Window, select [**Add**].
45. At the Enter Connection Dialog, select *TCP Winsock TCP/IP Net-Library driver* for the protocol. At Connection Info type **AALPS,5000**. Click [**OK**].
46. At the Network Connections Window select [**Add**].
47. At the Enter Connection Dialog, select the down arrow at the Protocol field and select *NAMEPIPE Named Pipes Net-Library driver*. Change the Connection Info to read **\pipe\sybase\Query**, then click [**OK**].
48. Click [**OK**] at the Network Connections Window.
49. Click [**Continue**] at the Adaptive Server Options Window.
50. The Status Window is now shown, executing the installation. This will take a while.
51. At the New Adaptive Server Complete, FINISH! is displayed. Select [**Continue**].
52. At the Configure Sybase Server Window, select [**Exit**].
53. At the Information Window select [**OK**] for Install Complete. **Close** all windows and **restart** the computer.

Install AALPS 4.2.

Complete this step to install AALPS 4.2. You will need the AALPS 4.2 Installation CD-ROM to complete this step.

1. Log on as **administrator** on the local computer.
2. Go to **My Computer**
3. Select CD-ROM Drive with AALPS 4.2 CD.
4. Select the **Setup** icon for AALPS 4.2 in the **/AALPS4.2** folder.
5. AALPS 4.2 will begin installation.
6. At the Setup Window, select [**Next**].
7. Choose [**Next**] to accept the destination of the installation.
8. Select [**Next**] to accept the Program Folder named AALPS.

9. Select [**Next**] to begin copying files.
10. If you get the Reboot window, select [**Yes**] to reboot, and [**Finish**], leaving the CD installed. Log back in as **administrator**.
11. After copying files, select [**Yes**] to begin installing databases.
12. At the AALPS Database Setup Window, type **sa** as the Sybase Login ID, *tab* to password but do not enter a password.
13. The install button becomes active. Select [**Install**].
14. At the AALPS Setup Dialog, select [**Yes**] to install the Sybase 12.0 patch if you installed Sybase 12.0. If you have another version of Sybase (e.g., 11.5 or 11.9.2) go to step 17.
15. When the select window appears, highlight the CD-ROM drive and select [**OK**].
This will take a while.
16. When setup is complete, click on [**Finish**].
17. Select [**Finish**] at the next Setup Complete window.
18. **Restart** the computer.