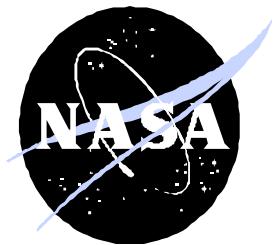


NASA HEADQUARTERS HARDWARE/SOFTWARE BASELINE PRODUCT SUITE



National Aeronautics and
Space Administration

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SUMMARY OF CHANGES FOR FEBRUARY 2004

1.1 Core Desktop and Laptop Software

1.1.1 Macintosh:

Electronic Mail: Eudora was upgraded from version 4.3.3 to 6.0.2.

1.1.2 Windows 2000:

Electronic Mail: Eudora Pro for Windows was upgraded from version 4.3.2 to 6.0.1.

FTP and Telnet Clients: Rumba is no longer being deployed.

Movie Player, Still Graphics Viewer and Web Player Plugins: QuickTime was upgraded from version 5.0.2 to 6.5.

Operating System: MS Windows 2000, SP 3 was upgraded to SP 4.

PDF Viewer: Acrobat Reader was upgraded from version 5.0 to 6.0.

1.2 Above Core Desktop Software:

1.2.1 Macintosh:

The category “Telnet” was renamed “Remote Access” and Citrix Client 6.20 was added to the list. Citrix Client 6.30.314 is also being supported. (Desktop only)

1.2.2 Windows 2000:

The categories “Security Communication” and “Telnet” were joined under the single heading “Remote Access” and Citrix Client 6.3.1 was added to the list. No other versions are being supported.

1.0 INTRODUCTION

The Baseline Product Suite document is intended to provide guidelines for desktop hardware and software systems as well as their supporting servers. The purpose is to provide guidance to ensure that the systems utilized throughout NASA Headquarters have the required functionality and exhibit interoperability features permitting exchange of information.

The approach used in this standard is to provide the current approved baselines for each of the systems. These will be updated and added to as user requirements change, technology enhancements become available, or as new releases of the products are approved.

The Workstation Standards Program is designed to continuously improve the return on NASA Headquarters' information technology (IT) investment. Its first principal theme is the "baselining" of current de facto Headquarters standards for computer products that both maximize interoperability and satisfy user requirements. The second theme is the competitive acquisition of products with new functionality that may become standards in turn. Finally, volume licensing agreements for the baseline products will be established to reduce acquisition and maintenance costs.

The current scope of the program is Federal Information Processing (FIP) commercial off-the shelf (COTS) software and workstation products. This program should improve Headquarters workforce productivity through increased information sharing, better knowledge of IT products, improved planning information, and better communication using common tools. Headquarters will emphasize making the acquisition of standard products as fast, simple, and economical as possible.

1.1 *Purpose of NASA Headquarters Desktop Standards*

The purpose of the NASA Headquarters Desktop Standards Program (HDSP) is to improve the return on NASA's IT investment by identifying COTS products that will aid in Headquarters integration. The goals of HDSP are to:

- Reduce impediments to the sharing of information
- Reduce the replication of skills and functions associated with technology, acquisitions, maintenance, and training
- Increase the use of common systems and services
- Maximize the use of COTS products
- Create a Headquarters baseline and definitive direction that will help Headquarters management plan their IT architecture and associated costs
- Reduce the costs associated with product acquisition and maintenance
- Provide improved, comprehensive HELP desk support

- Provide for configuration control and licensing compliance
- Provide for a common, cost effective training program

None of these goals are projected to prevent either technology advances or acquisitions that have mission-unique requirements.

1.2 Applicability of NASA Headquarters Information Systems Integration Standards

This document contains the current list of HDSP products. All NASA Headquarters-funded acquisitions of FIP COTS software, desktop hardware, and server systems for use within NASA Headquarters-managed facilities shall use the provisions of this document.

It is not the intent of HDSP to influence contractors' corporate standards; the intent is to improve the Headquarters' interoperability. Normally, products acquired by organizations classified as on-site Headquarters' contractors are subject to the HDSP. This includes the ISEM contractors at their on-and off-site locations. Products acquired by Headquarters prime contractors or subcontractors for use on contractor-controlled facilities that are external to Headquarters are not subject to the HDSP. However, off-site prime and subcontractors must ensure that their corporate products will interface with their NASA counterparts' products, if an interface is required.

The HDSP is applicable to any software product, workstation hardware, or server that falls within a functional category of this document. Any acquisition for items that deviate from HDSP will require full review and approvals. Acquisition of items that are accepted HDSP products will not require further technical review and approval.

1.3 Overview of the Selection Methodology

Standard products have been established for software executing on four platforms, for a range of desktop workstations and for file servers. Platforms are computer systems, including both hardware (the central processing unit and primary and secondary storage) and system software (the operating system and user interface). These platforms are defined in the order of this document's outline:

Personal Workstation: A desktop configuration of hardware and software that constitutes a functional unit designed for use by one person at a time. A personal workstation (as defined for purposes of HDSP) does not have UNIX as an operating system. Two "sub-platforms" of personal desktop systems are included: MS-Windows and Macintosh.

UNIX-based Workstation: A configuration of hardware and software that constitutes a functional unit designed for use by one person at a time, the primary operating system of which is UNIX (including any of its variants or derivatives). (For definition purposes only. Not currently within the scope of this standard.)

Host: A computer system designed to support multiple concurrent users, connected by terminals or other computers, including special purpose processors such as simulators, environmental control systems, security systems, etc. Four “sub-platforms” of hosts are included: IBM VM, IBM MVS, DEC VAX VMS, and UNIX-based. (For definition purposes only. Not currently within the scope of this standard.)

File Server: A multi-user computer system (i.e., host) that is a necessary part of a network of workstations and is used for sharing information processing resources including files and printers.

The HDSP Standards are not binding upon products acquired for use on sub-platforms other than the ones shown above. For example, a non-standard database management system (DBMS) could be acquired for a Concurrent or a MassComp computer system. However, use of products equivalent to the HDSP standards is strongly encouraged wherever they are available and meet requirements. In our example, if Oracle is available for Concurrent, it would be recommended to enhance interoperability across NASA Headquarters.

Four primary rules were used in determining the standard products suite:

Rule 1: Comply with CIO and ADP/T Board direction.

Rule 2: The products are "de facto" standards. The selected products should be "de facto" standards in current common use or recommended for common use at the NASA Headquarters.

Rule 3: The products are able to be scaled up. The products selected must be able to be scaled up (in capacity, size, or across platforms). Vendor stability is also an aspect of scalability.

Rule 4: The products provide interfaces for interoperability. To promote the interoperability of systems and the reuse of information, these products must be capable of being interfaced with other compliant products.

1.4 *Standards Update and Control*

The standards provided by this document are under Headquarters Information Resources Management Division (Code CI) configuration control and provide the baseline for the NASA Headquarters hardware and software systems. The product, version, or size ranges are provided.

Refer to the NASA Catalog FAQ web page for information on how to request products or systems that are not part of the standards list.

Non-standard products that are installed do not automatically update this standard. When products are installed in sufficient quantity or it has been determined through engineering evaluation that a later version or enhanced configuration is required, this request will be processed through the CCB/SRRT process to update this standard. The

list will be expanded with other products used in significant quantities at NASA Headquarters.

2.0 PLATFORM COMMENTS

2.1 *Personal Workstation Products*

Tables A-1 through A-4 list software products for personal desktop workstations. Products that are bundled with the desktop operating system are normally not listed.

As a part of the NASA Headquarters Server Architecture (HSA), a number of software applications have been identified that are included on all workstations, HQ-wide. These applications are referred to as Core applications, and are identified in Tables A-1 and A-2.

2.2 *File Server Products*

The product categories in Tables A-5 and A-6 refer to standalone products that can be acquired individually, not those bundled with each platform's operating system. Note that the categories for file servers differ markedly from those of desktop systems or hosts.

APPENDIX A

STANDARD SOFTWARE PRODUCT TABLES

This appendix contains tables of integration standard products. These are intended to provide an easy guide to the various products for individuals responsible for selecting Federal Information Processing Resource (FIPR) products for NASA Headquarters organizations.

The information is organized as follows:

Table

A-1: Macintosh Core Desktop Software Load

A-2: Windows 2000 Core Desktop Software Load

A-3: Macintosh Baseline Desktop Software (Above Core)

A-4: Windows 2000 Baseline Desktop Software (Above Core)

A-5: NT File Server Software Products

A-6: Macintosh File Server Software Products

A-7: UNIX File Server Software Products

A-8: Laptop Core Software Load

A-9: Personal Digital Assistants (PDAs) Software (Core)

A-10: Personal Digital Assistants (PDAs) Desktop Software (Above Core)

Approved requests for baselined software products will be satisfied by installation of the currently deployed version of the product as shown in the corresponding table.

Table A-1 Macintosh Core Desktop Software Load

Category	Application	Current Deployed Version	Other Supported Version(s)	H	L
Anti-Virus	Norton AntiVirus	7.0.2	8.0.4	Y	Y
Backup	IomegaWare	2.5	NA		Y
Broadcast Messaging	Key Access	5.02	NA		
Calendar	Meeting Maker	7.0.1	NA	Y	Y
Electronic Mail	Eudora Pro Notify Mail	6.0.2 3.11	4.3.3, 5.2.1 NA	Y Y	
File Compression	Stuffit Deluxe	5.5.1	7.0.3	Y	Y
File Extraction	StuffIt Deluxe	5.5.1	7.0.3	Y	Y
File Viewers	N/A				
Forms	Informed Filler	2.7.1	NA	Y	Y
FTP Client	Fetch	3.0.3	4.0.3	Y	Y
Image File Editor	N/A				
Internet Configuration Util	Core	NA	NA		
Movie Player	QuickTime	6.0.3	6.0.1	Y	Y
Network Stack	LessTalk	1.05	NA		
Newsgroup Reader	Netscape Communicator	4.79	6.2.3	Y	Y
Operating System	Apple OS	9.2.2	X		Y
PDF Viewer	Acrobat Reader	5.05	5.1	Y	Y
Presentations	PowerPoint	2001	X	Y	Y
Screen Saver	NOVA	4.01	NA		Y
Software Management	SMS Asset Insight	1.2 3.1	NA NA		
Sound Player	RealPlayer Shockwave Flash	8 v6.0.9.584 7.0r14	9.0 6.0r67	Y Y	Y
Spreadsheet	Excel	2001	X	Y	Y
Still Graphics Viewer	QuickTime Picture Viewer	6.0.3	NA	Y	Y
Suite	MS Office Std	2001	X	Y	Y
Telnet Client	BetterTelnet	2.0	NA	Y	Y
Web Browser	Netscape Communicator Internet Explorer	4.79 5.1.7	6.23 5.2.2	Y	Y
Web Editor	Netscape Communicator Word	4.79 2001	6.2.3 X	Y Y	Y
Web Player Plugins	Authorware Director Shockwave QuickTime RealPlayer Shockwave Flash	7.0 F1 8.5.1 6.0.3 8 v6.0.9.584 7.0 r14	6.5F1 NA 6.0.1 9.0 6.0r67		Y Y Y Y Y
Word Processor	Word	2001	X	Y	Y

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Legend:

H=Available for Home Use

L= Can be installed on a Loaner Laptop if software
is also on user's NASA HQ machine**Columns:**

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-1 Macintosh Core Desktop Software Load

Category	Application	Current Deployed Version	Other Supported Version(s)	H	L
x.500 Search	Netscape Communicator (Available via HQ Homepage)	4.79	6.2.3	Y	Y

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Legend:

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is also on user's NASA HQ machine**Columns:**

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-2 Windows 2000 Core Desktop Software Load

Category	Application	Currently Deployed Version	Other Supported Version(s)	H	L
Anti-Virus	Norton AntiVirus	7.51.854	NA	Y	Y
Backup	Core				
Broadcast Messaging	Vypress Auvis	1.2	NA		
Calendar	Meeting Maker	7.01	NA	Y	Y
Electronic Mail	Eudora Pro Notify Mail	6.0.1 1.2.1	4.3.2 NA	Y Y	Y
File Compression	WinZip	8.1	NA	Y	Y
File Extraction	WinZip	8.1	NA	Y	Y
File Viewers	Above Core				
Forms	Informed Filler	2.7.1	NA	Y	Y
FTP Client	Rumba Internet Companion	NA	2000		
Image File Editor	MS PhotoEditor	3.01	NA		Y
Internet Configuration Util	Core				
Movie Player	QuickTime	6.5	NA	Y	Y
Multi-Language Support	Core				
Network Stack	Core				
Newsgroup Reader	Netscape Communicator	4.77	NA	Y	Y
Operating System	MS Windows	2000, SP4	SP3		Y
PDF Viewer	Acrobat Reader	6.0	5.0	Y	Y
Presentations	PowerPoint	2000	NA	Y	Y
Remote Access	Control F-1	4.0	NA		
Screen Saver	Core				
Software Management	SMS Asset Insight	1.2 SP4 3.1	NA NA		
Sound Player	RealPlayer Shockwave Flash Player	8.v6.0.9.584 7.0 r14	NA NA	Y Y	Y
Spreadsheet	Excel	2000	NA	Y	Y
Still Graphics Viewer	MS PhotoEditor QuickTime Picture Viewer	3.01 6.5	NA NA	Y	Y
Suite	MS Office Std	2000	NA	Y	Y
Telnet Client	Rumba UNIX	NA	2000		

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Legend:

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is also on user's NASA HQ machine**Columns:**

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-2 Windows 2000 Core Desktop Software Load

Category	Application	Currently Deployed Version	Other Supported Version(s)	H	L
Web Browser	Netscape Communicator Internet Explorer	4.77 6.0 SP1, Q824145	NA NA	Y Y	Y Y
Web Editor	Netscape Communicator Word	4.77 2000	NA NA	Y Y	Y Y
Web Player Plugins	Authorware Director Shockwave QuickTime RealPlayer Shockwave Flash	7.0 8.5.1 6.5 8 v6.0.9.584 7.0 r14	NA NA NA NA NA	Y Y Y Y Y	Y Y Y Y Y
Word Processor	Word	2000	NA	Y	Y
x.500 search	Netscape Communicator	4.77	NA	Y	Y

Appendix A
Page 10

Legend:

H=Available for Home Use

L= Can be installed on a Loaner Laptop if software
is also on user's NASA HQ machine**Columns:**

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-3 Macintosh Baseline Desktop Software (Above Core)

Category	Application	Currently Deployed Version	Other Supported Version(s)	H	L
Asynchronous Communication	Core				
Backup	Retrospect Remote	5.0238	4.3		
Data Base Management System (DBMS)	Filemaker Pro 4D	5.5v2 1.1.1C	NA NA	Y	Y
Decision Support System Tools	N/A				
Desktop Publishing	PageMaker Quark Express	6.5.2 5.0.1	7 NA		
Disk Wipe (for Home Use ONLY)	Silver Lining Pro	6.4.2	NA	Y	
Document Management	N/A				
Encryption	Entrust Heavy Client	5.0	NA		
File Conversion	MacLink Plus	13.002	NA		
FAX	FAX Senior	2.2.1	NA	Y	
Flow Charting Tools	Top Down Flowcharter	5.5 6.0	NA NA		Y
Graphics & Multimedia Tools	Canvas Freehand Illustrator Photoshop Kai's Power Tools After Effects Director Premiere Flash Fireworks Procreate Painter Debabelizer	7.0.2 10.0 9.0.1 6.0 6.0 4.0 8.5.1 6.0.1 4.0 4.0 6.1 5.0.1	NA NA 10 7 NA 5.5 NA NA MX MX 7.0 NA		Y
HTML Tools	BBEdit Bobby	5.1.1 3.2	NA NA		
Image File Editor	Core				
Middleware & Database Tools	Sybase Open Client	11.1	NA		
Multi-Language Support	TBD				

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Legend:

H=Available for Home Use

L= Can be installed on a Loaner Laptop if software is also on user's NASA HQ machine

Columns:

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-3 Macintosh Baseline Desktop Software (Above Core)

Category	Application	Currently Deployed Version	Other Supported Version(s)	H	L
Network Stack	ARA (included in MacOS) Dave	NA 2.51	NA		
PDF Writer	Acrobat Suite	5.05	NA		
Project Management	Project FastTrack	4.0 7.04	NA NA	Y	Y
Remote Access	Citrix Client Datacomet F-Secure SSH	6.20 4.5.1 1.0.1	6.30.314 NA NA		
Scanning Tools	Omnipage Pro	X	NA		
Sound Player	Core				
Speaker Driver	Built-in to system				
Web Editor	Dreamweaver	4.0.1	MX		

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Legend:

H=Available for Home Use

L= Can be installed on a Loaner Laptop if software is also on user's NASA HQ machine

Columns:

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-4 Windows 2000 Baseline Desktop Software (Above Core)

Category	Application	Currently Deployed Version	Other Supported Version(s)	H	L
Asynchronous Communication	TBD				
Backup	Core				
Data Base Management System (DBMS)	Visual FoxPro Filemaker Pro Access	6.0 5.5v2 2000	NA NA NA	Y	Y
Decision Support System Tools	PowerPlay	6.61	NA		Y
Desktop Publishing	PageMaker Quark Express	6.5.2 5.01	7 NA		
Dictation Tools	Naturally Speaking	6.0	NA		
Disk Wipe	Maresware Declasfy	3.0	NA		
Document Management	Basis Plus	8.4	NA		
Encryption	Entrust Heavy Client	5.0	NA		
File Conversion	Conversions Plus	6.0	NA		
FAX	FAX Senior	5.4.2	NA	Y	Y
Flow Charting Tools	Visio Standard iGraphix Flowcharter	2000 2000	NA NA		
Graphics & Multimedia Tools	Canvas Illustrator Freehand Photoshop Kai's Power Tools Flash After Effects Director Premiere Debabelizer	7.0.2 9.02 10.0 6.0 6.0 4.0 4.0 8.5 6.0.1 5.01	NA 10 NA 7 NA NA 5.5 NA NA NA		Y
GUI Query	Impromptu	6.0	NA		
HTML Tools	Bobby	3.2	NA		
Image File Editor	Core				
Middleware & Database Tools / ODBC	Sybase Open Client Microsoft ODBC Oracle/Net8 Basis	11.1.1 3.5.1 8.0.5 8.4	NA NA NA NA		
Multi-Language Support	Core				
Network Stack	Core				
PDF Writer	Acrobat Suite	5.05	NA		

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Legend:

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Columns:

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-4 Windows 2000 Baseline Desktop Software (Above Core)

Category	Application	Currently Deployed Version	Other Supported Version(s)	H	L
Project Management	Project FastTrack	2000 7.01	NA NA	Y	Y
Remote Access	Citrix Client Entire Connection F-Secure SSH	6.31 4.2.1 4.3	NA NA NA		
Scanning Tools	OmniPage Pro Acrobat Capture	11.0 3.01	12 NA		
Web Editor	Dreamweaver	4.0.1	MX		

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Legend:

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L= Can be installed on a Loaner Laptop if software
is also on user's NASA HQ machine**Columns:**

Currently Deployed: Baseline version installed on desktop

Other Supported Version(s): Other version(s) supported at NASA HQ

Table A-5 NT File Server Software Products

Category	NT-Certified		
	Product	Target Version	Supported Version
Anti-virus	InoculateIT E Trust Antivirus	4.5.3 7.0	4.5.3 7.0
Backup	Backup Exec Legato Networker	8.0/9.0 5.5.1	8.0, 7.x, 6.x, 9.0 5.5.1
Disk Defragmentation	NA		
File Transfer	NA		
Network Operating System	NT	4.0, Enterprise w/SP6a/ Windows 2000 Server	4.0, Enterprise w/SP6a/ Windows 2000 Server
*Print Spooling	NT	4.0 w/SP6a Windows 2000 Server	4.0 w/SP6a Windows 2000 Server
Remote File Access	NA - Provided by UNIX		
Utilities	KM for NT	8.3	8.3
Asset Management	SMS	1.2 w/SP4	1.2 w/SP4
FAX	FAX Senior	3.1 SP3	3.1 SP3
Metering	Express Meter	4.5	4.5
Middleware & Database Tools	SQL Server Cold Fusion Application Server	6.5 w/SP5a 4.5 SP2+patch	6.5 w/SP5a 4.5 SP2+patch
Security	VeriSign	4.0	4.0
Disk Management	Quota Server	4.6a	4.6a
Web Server	Netscape Enterprise iPlanet Web Server, Enterprise Edition	3.6 4.7	3.6 4.7

* Standard on Server with Print Services

Table A-6 Macintosh File Server Software Products

Category	Macintosh-Certified		
	Product	Target Version	Supported Version
Asset Management	N / A – Provided by NT		
Disk Defragmentation	N/A		
File Transfer	N/A		
Network Operating System	Mac OS	9.22	8.x, 9.x
Print Spooling	Mac OS	9.22	8.x, 9.x
Remote File Access	N/A		
Utilities	N/A		
Web Server	WebStar	2.1	2.1
Backup	Retrospect	4.3	4.3
Metering	KeyServer	5.0.2	5..0.2
Middleware & Database Tools	Filemaker Pro Server	5.5	5.5
	4D	1.1.1c	1.1.1c
Security	iEmpower	5.0.5	5.0.5

Table A-7 UNIX File Server Software Products

Category	UNIX-Certified		
	Product	Target Version	Supported Version
Standard Server Configuration			
Anti-virus	N/A		
Asset Management	N/A		
Backup	N/A		
Disk Defragmentation	N/A		
FAX	N/A		
File Transfer	N/A		
Metering	N/A		
Network Operating System	Sun Solaris IBM AIX SGI Irix Linux (RED HAT V6.1) Free BSD Unix	8.0E 4.1 w/Y2K Hotfix 5.3 w/Y2K Hotfix, 6.5 w/Y2K Hotfix 2.2 5.1	2.5, 2.5.1, 2.6 w/Y2K Hotfix, 2.7 w/Y2K Hotfix 3.2,4.1 w/Y2KHotfix 5.2,5.2 w/Y2K Hotfix 1.2.3 4.8 Release 0
Print Spooling	N/A		
Remote File Access	TBD		
Utilities	Perl GCC Java	Perl 5 2.8 JDK 1.3	Perl 4, Perl 5 2.70/2.8 JDK 1.3
Specialized Server Configuration			
Middleware & Database Tools	Oracle/Net8 Basis Plus Servlet Container Cold Fusion	9i 9 Tomcat 3.3 MX	8.15 8.3 Tomcat 3.3 4.0.1, 4.5, MX
Security	VeriSign	4.0	4.0
Web Server	Apache HTTP Server Netscape Enterprise iPlanet Web Server, Enterprise Edition	Apache 2.0 3.6.2 4.7	Apache 1.3 3.6.2 4.7
Web Tools	Web Trends Oracle Reports Server	6.5C Build 6958 2.1	6.5C Build 6958 2.1

Table A-8 Laptop Core Software Load

Category	Macintosh	Windows 2000
Communication/Network	Open Transport 2.7.9	Core/Built-in
Dial-up	ARA	Native Windows 2000
Electronic Mail	Eudora Pro 6.0.2	Eudora Pro 6.0.1
Operating System	Mac OS 9.2.2	Windows 2000 SP4
Calendar Management	Meeting Maker 7.0.1	Meeting Maker 7.0.1
Anti-Virus	Norton AntiVirus 7.0.2	Norton AntiVirus 7.5.1
Suite	MS Office Std Internet Tools	MS Office Std Internet Tools
Security	NA	CompuTrace 8.0.0.780

Table A-9 Personal Digital Assistants (PDAs) Software (Core)

Category	Palm Compatible Software
Calculator	Calc **
Document Storage	Memo Pad **
Expense Report	Expense **
Mail Client	MultiMail 3.1.1G
Operating System	Palm OS 4.0.1
Personal Contacts	Address Book **
Scheduler	DateBook **
Security	Security **
To Do List	To Do List **

** Software Built-in to ROM of Palm PDA Unit.

Table A-10 Personal Digital Assistants (PDAs) Desktop Software (Above Core)

Category	MS-Windows	Macintosh
Palm Software	Palm Desktop 4.1	Palm Desktop 4.1
Electronic Mail	MultiMail PC Conduit 3.1	MultiMail Mac Conduit 1.2.3
Specialized Syncing	Meeting Maker Datebook Conduit 7.0.1 Meeting Maker To Do Conduit 7.0.1	Meeting Maker Datebook Conduit 7.0.1 Meeting Maker To Do Conduit 7.0.1
Web Document/Page Syncing	AvantGo 4.0	AvantGo 4.0
Database	JFile 4.1b	JFile 4.1b
Document Converter	Documents-To-Go 4.0	Documents-To-Go 4.0

APPENDIX B

STANDARD HARDWARE PRODUCT TABLES

The hardware standards for desktop systems and file servers are shown in Table B-1 (*Minimum Desktop Hardware Systems*). These are not intended to specify a specific manufacturer or source but only a specific class of equipment that will meet the necessary standards. This table represents the minimum configuration for Headquarters desktop workstation systems.

It is likely that products, both hardware and software, will be updated by their manufacturers and make obsolete those currently recommended in the product standards established in the previous sections.

Table B-2 (*Current Desktop Hardware Offerings*) represents the recommended desktop systems that should be acquired. These reflect the current market provisions that are available for Headquarters users. When desktop systems are purchased, they will be specified at these configurations.

Table B-3 (*Current Laptop Hardware Offerings*) represents the recommended laptop systems that should be acquired. These reflect the current market provisions that are available for Headquarters users. When laptop systems are purchased, they will be specified at these configurations.

The information in this Appendix is organized as follows:

Table

- B-1: Minimum Desktop Hardware Systems
- B-2: Current Desktop Hardware Offerings
- B-3: Current Laptop Hardware Offerings
- B-4: Accessible Computer Technology
- B-5: Printers and Other Peripheral Equipment
- B-6: Personal Digital Assistants (PDAs) Hardware

Table B-1 Minimum Desktop Hardware Systems*

Category	PC	Macintosh
CD ROM	24X or better	24X
CPU	Pentium III 550MHz	PowerPC G3 / 300MHZ
Disk	4GB	6GB
Network Interface Card (NIC)	INTEL Pro 100+ 10/100MB	Built-in 10/100 MB Card
Keyboard	101 Keys Extended	101 Keys Extended
Video Board	4MB PCI	1MB/2MB
Memory	128MB	128MB
Monitor	17" Color, .27 Dot or better, PC-Mac Compatible	17" Color, .27 Dot or Better, PC-MAC Compatible
Speakers	Soundblaster Compatible	Built in
Sound Card	Soundblaster PCI 512 or Compatible PCI	Built in

* Certified hardware that meets or exceeds the minimum desktop standards are deployed to new users.

Table B-2 Current Desktop Hardware Offerings*

Category	PC	Macintosh
CD ROM **	48X or Better	DVD-R/CDRW
CPU	Pentium IV 2.4GHz	PowerPC G4 Dual 1 GHz
Disk	40GB 7200 RPM	80GB 7200 RPM
Network Interface Card (NIC)	INTEL PRO 100+ TX 10/100MB	Built-in 10/100MB Card
Keyboard	104 Keys Extended	108 Key USB
Video Board	64MB	AGP 4x 32MB
Memory	512MB	512MB
Monitor	17" Color, .27 Dot or Better, PC-MAC Compatible	17" Color, .27 Dot or Better, PC-MAC Compatible
Speakers	External	Built in
Sound Card	SoundMax Integrated	Built in
Floppy	3.5 1.44MB	External 3.5"

* Certified hardware that meets or exceeds the minimum desktop standards are deployed to new users.

Table B-3 Current Laptop Hardware Offerings*

Category	PC	Macintosh
CD ROM **	DVD/CDRW	DVD-R/CDRW
CPU	Pentium III 2.0GHz or higher	PowerPC G4 1GHz or higher
Display	14.1" 1024x768	15.2" 1024x768
Floppy **	3.5 1.44MB	External 3.5"
Hard Disk	40GB	60 GB 7200 RPM
Memory	256MB	256MB
MODEM	56K Built-in Mini PCI v.90	56K Built-in v.90
Network Support	Built-in Mini PCI 10/100MB	10/100MB
Other	PCI expansion bus External Speakers Extended Keyboard Mouse	PCI expansion slots External Speakers Extended Keyboard Mouse
Ports	1 Enhanced Parallel, 1 PCMCIA, 2 USB, 1 Serial, 1 Mouse (6550 UART), S-Video out	2 USB, 1 PCMCIA, 1 Firewire, S-Video out
Video	32MB DDR	64MB DDR

* Certified hardware that meets or exceeds the minimum desktop standards are deployed to new users.

** CD-ROM and Floppy Drive may be removable/exchangeable

Table B-4 Accessible Computer Technology *

Category	PC	Macintosh
Keyboard for Disadvantaged (Carpal Tunnel Syndrome)	Microsoft Ergonomic Keyboard	Not Identified
Mouse for Disadvantaged (Carpal Tunnel Syndrome)	Kensington Expert	Not Identified

* Special 508 compliant items can be purchased via the Shop4NASA catalog

Table B-5 Printers and Other Peripheral Equipment

Category	Manufacturer	Equipment Specs
Network Printers	Hewlett Packard	8150
Color Printers	Hewlett Packard	4600
Stand Alone Desktop Printers	Hewlett Packard	2200
Docking Station (Mac)	Book Endz	
Docking Station (PC)	Compaq	

Table B-6 Personal Digital Assistants (PDAs) Hardware

Category	PDAs Supported
PDA Unit	Palm IIIx, V, Vx, IIIxe, IIIc, M505
Cradle	Palm III compatible Palm V compatible Palm M505 compatible
Modem	PalmModem for Palm III PalmModem for Palm V PalmModem for Palm M505
USB PDA Connector (Mac)	Keyspan USB PDA Connector, Palm Connect Adapter

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Documents-To-Go, 18
Dreamweaver, 12, 14

4D, 16
4D Server, 11

A

Access, 13
Acrobat Reader, 7, 9
Acrobat Suite, 12, 13
Acrobat Suite (Capture), 14
Address Book, 18
After Effects, 11, 13
Apache HTTP, 17
Apple OS, 7
ARA, 12, 18
Asset Insight, 7, 9
Authorware, 7, 10
AvantGo, 18

B

Backup Exec, 15
Basis, 13
Basis Plus, 17
BBEdit, 11
BetterTelnet, 7
Bobby, 11, 13

C

Calc, 18
Canvas, 11, 13
Citrix Client, 12, 14
Cold Fusion, 17
Cold Fusion Application Server, 15
CompuTrace, 18
Control F-1, 9
Conversions Plus, 13
Core/Built-in, 18

D

Datacomet, 12
DateBook, 18
Dave, 12
Debabelizer, 11, 13
Director, 11, 13
Director Shockwave, 7, 10

E Trust Antivirus, 15
Entire Connection, 14
Entrust Heavy Client, 11, 13
Eudora Pro, 7, 9, 18
Excel, 7, 9
Expense, 18
Express Meter, 15

F

FastTrack, 12, 14
FAX Senior, 11, 13, 15
Fetch, 7
Filemaker Pro, 11, 13
Filemaker Pro Server, 16
Fireworks, 11
Flash, 11, 13
Free BSD Unix, 17
Freehand, 11, 13
F-Secure SSH, 12, 14

G

GCC, 17

I

IBM AIX, 17
iEmpower, 16
iGraphix Flowcharter, 13
Illustrator, 11, 13
Impromptu, 13
Informed Filler, 7, 9
Inoculate, 15
Internet Explorer, 7, 9
Internet Tools, 18
IomegaWare, 7
iPlanet Web Server, Enterprise Edition, 15, 17

J

Java, 17
JFile, 18

K

Kai's Power Tools, 11, 13
 Key Access, 7
 KeyServer, 16
 KM for NT, 15

L

Legato Networker, 15
 LessTalk, 7
 Linux (RED HAT V6.1), 17

M

Mac OS, 16, 18
 MacLink Plus, 11
 Maresware Declasfy, 13
 Meeting Maker, 7, 9, 18
 Meeting Maker Datebook, 18
 Meeting Maker To Do, 18
 Memo Pad, 18
 Microsoft ODBC, 13
 MS Office Std, 7, 9, 18
 MS PhotoEditor, 9
 MS Windows, 9
 MultiMail, 18
 MultiMail Mac Conduit, 18
 MultiMail PC Conduit, 18

N

Naturally Speaking, 13
 Netscape Communicator, 7, 8, 9, 10
 Netscape Enterprise, 15, 17
 Norton AntiVirus, 7, 9, 18
 Notify Mail, 7, 9
 NOVA, 7
 NT, 15, 18

O

Omnipage Pro, 12
 OmniPage Pro, 14
 Open Transport, 18
 Oracle Reports Server, 17
 Oracle/Net8, 13, 17

P

PageMaker, 11, 13
 Palm Desktop, 18

Palm OS, 18
 Perl, 17
 Photoshop, 11, 13
 PowerPlay, 13
 PowerPoint, 7, 9
 Premiere, 11, 13
 Procreate Painter, 11
 Project, 12, 14

Q

Quark Express, 11, 13
 QuickTime, 7, 9, 10
 QuickTime Picture Viewer, 7, 9
 Quota Server, 15

R

RealPlayer, 7, 9, 10
 Retrospect, 11, 16
 Rumba Internet Companion, 9
 Rumba UNIX, 9

S

Security, 18
 Servlet Container, 17
 SGI Irix, 17
 Shockwave Flash, 7, 10
 Shockwave Plug-in, 9
 Silver Lining Pro, 11
 SMS, 7, 9, 15
 SQL Server, 15
 Stuffit Deluxe, 7
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 Sun Solaris, 17
 Sybase Open Client, 11, 13

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To Do List, 18
 Top Down Flowcharter, 11

V

VeriSign, 15, 17
 Visio Standard, 13
 Visual FoxPro, 13
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Web Trends, 17
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WinZip, 9
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