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## **VALIDATED PRODUCTS LIST 1994 No. 3**

**Programming Languages  
Database Language SQL  
Graphics  
GOSIP  
POSIX  
Computer Security**

**Judy B. Kailey  
Peggy N. Himes  
Editors**

U.S. DEPARTMENT OF COMMERCE  
Technology Administration  
National Institute of Standards  
and Technology  
Computer Systems Laboratory  
Software Standards Validation Group  
Gaithersburg, MD 20899

July 1994

(Supersedes April 1994 issue)

**NIST**

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1994



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**U.S. DEPARTMENT OF COMMERCE  
Ronald H. Brown, Secretary**

**TECHNOLOGY ADMINISTRATION  
Mary L. Good, Under Secretary for Technology**

**NATIONAL INSTITUTE OF STANDARDS  
AND TECHNOLOGY  
Arati Prabhakar, Director**

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## FOREWORD

The Validated Products List is a collection of registers describing implementations of Federal Information Processing Standards (FIPS) that have been validated for conformance to FIPS. The Validated Products List also contains information about the organizations, test methods and procedures that support the validation programs for the FIPS identified in this document.

The Validated Products List is updated quarterly.



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# 1. INTRODUCTION

## 1.1 Purpose

The testing of Information Technology (IT) Products to determine the degree to which they conform to specific Federal Information Processing Standards (FIPS) may be required by Government agencies as specified by the FIPS, Federal Information Resources Management Regulation (FIRMR) Parts 201-20.303, 201-20.304, and 201-39.1002, and the associated Federal ADP and Telecommunications Standards Index. Products having a current validation certificate or test report may be offered or delivered by vendors in response to requirements as set forth in solicitations by Federal agencies. The Validated Products List (VPL) contains conformance testing information for the following IT Standards:

Programming Languages COBOL, Fortran, Ada, Pascal, C, and MUMPS  
Database Language SQL  
Graphics  
GOSIP  
POSIX  
Computer Security

This List is updated and published quarterly. The information contained herein is supplied by the contributors listed in Section 2.6 and Appendix A, and is current as of the tenth of the month preceding the publication date. Copies of the VPL may be obtained from:

National Technical Information Service  
U.S. Department of Commerce  
5285 Port Royal Road  
Springfield, VA 22151.

Subscriptions: (703) 487-4630  
Individual Copies: (703) 487-4650

Ordering Number: PB93-937303/AS

The entries in the printed VPL are contained in WordPerfect Version 5.1 files and may be accessed on the Internet using the instructions listed below.

Type: **ftp speckle.ncsl.nist.gov** (internet address is 129.6.59.2)  
Login as user **ftp**  
Type your e-mail address preceded by a dash (-) as the password  
Type: **cd vpl**  
Type: **binary**  
Type: **get** and the name of the file you want; e.g. **language**

Questions or comments concerning the VPL should be directed to:

National Institute of Standards and Technology (NIST)  
Computer Systems Laboratory  
Software Standards Validation Group  
Building 225, Room A266  
Gaithersburg, MD 20899  
Telephone (301) 975-3274

## **1.2 Document Organization**

### **1.2.1 Programming Languages**

Section 2 identifies those COBOL, Fortran, Pascal, C, Ada, and MUMPS programming language processors that have a current validation certificate or registered test report referencing the applicable FIPS as of the date of this publication.

### **1.2.2 Database Language SQL**

Section 3 identifies those SQL language processors that have a validation certificate or a registered test report for FIPS PUB 127-1 and FIPS PUB 127-2 as of the date of this publication.

### **1.2.3 Graphics**

Section 4 lists the implementations or files for which a validation certificate is currently in place. These entries include:

Graphical Kernel System (GKS) implementations (FIPS PUB 120-1),  
Programmer's Hierarchical Interactive Graphics Systems (PHIGS) (FIPS PUB 153),  
Computer Graphics Metafiles (CGMs) (FIPS PUB 128),  
Raster Graphics data files (FIPS PUB 150).

### **1.2.4 GOSIP**

Section 5 contains information regarding FIPS PUB 146-1, GOSIP, conformance testing registers.

### **1.2.5 POSIX**

Section 6 identifies POSIX products that have a current validation certificate for FIPS PUB 151-1 and FIPS PUB 151-2.

### **1.2.6 Computer Security**

Section 7 contains information regarding validated products for FIPS PUB 46-1, Data Encryption Standard (DES), FIPS PUB 113, Computer Data Authentication (Implements Message Authentication Code, ANSI X9.9), and FIPS PUB 171, Key Management Using ANSI X9.17.

### **1.2.7 FIPS Conformance Testing Products**

Appendix A lists FIPS conformance testing products and services available to the public. Information for these products and services may be obtained by contacting the appropriate person listed.

## **2. PROGRAMMING LANGUAGES**

### **2.1 FIPS Programming Language Standards**

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies when acquiring language processors, are responsible for assuring that processors are in accordance with the following FIPS for programming languages:

- a. COBOL processors must satisfy the provisions of FIPS PUB 21-3, COBOL, and must be identified as implementing all of the language elements of at least one of the subsets of FIPS COBOL as specified in FIPS PUB 21-3.
- b. BASIC processors must satisfy the provisions of FIPS PUB 68-2, BASIC.
- c. Fortran processors must satisfy the provision of FIPS PUB 69-1, Fortran, and must be identified as implementing all of the language elements of the subset or full levels of FIPS Fortran as specified in FIPS PUB 69-1.
- d. Pascal processors must satisfy the provisions of FIPS PUB 109, Pascal.
- e. Ada processors must satisfy the provisions of FIPS PUB 119, Ada.
- f. MUMPS processors must satisfy the provisions of FIPS PUB 125-1, MUMPS.
- g. C processors must satisfy the provisions of FIPS PUB 160, C.
- h. VHDL processors must satisfy the provisions of FIPS PUB 172, VHDL.

Copies of the above publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Conformance testing programs are currently available for all above FIPS except for the programming language BASIC and VHDL. A test suite for BASIC is being developed.

### **2.2 Organization of Programming Language Processor Entries**

The entries in the VPL for programming language processors are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the processor.
- The PROCESSOR ID column contains the Processor identification and the Validation Summary Report (VSR) or certificate number. This number refers to the VSR that was produced as a result of the testing. The VSR describes the testing environment and details any processor nonconformity that was detected as a result of the testing. Information for obtaining a VSR is listed in section 2.6.
- Derived processors in the VENDOR & COMPILER column are Ada processors that have been derived from the processor/hardware/operating system environment used during the testing. In order for derived processors to be listed here, they must be properly registered with the Department of Defense, Ada Joint Program Office (AJPO) by the vendor of the processor.



- The **HARDWARE & OPERATING SYSTEM** column presents the hardware and operating system environment (including pertinent supporting system software) used during the validation. In the case of Ada processors, those environments for derived processors will appear in this column.
- The **EXPIRY DATE** column lists the expiration date of the Certificate of Validation or Registered Validation Summary Report. A processor may be included in the List after the certificate has expired if the validation is in process. Notification must be received by NIST at least 30 days prior to publication of the List in order for such a processor to be included. In this case the expiration date will be followed by "(pending)".
- For COBOL processors, the **SUBSET** column cites the applicable Federal Subset. For Fortran processors, the **LEVEL** column specifies the applicable Federal level. For Pascal processors, the ISO 7185 Pascal Standard Level (ISO 7185 Level 0 is equivalent to FIPS 109). This designation is presented in the **PROCESSOR ID** column.
- The entries in the **OTHER ENVIRONMENTS** column are registered hardware and operating system environments for the processor tested. The vendor of the processor has certified that the identified processor, when operating under the environments included in this column, produces the same test results as those obtained from the hardware and operating system environment used during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.

Also listed are the programming language processors that have been tested and during the testing were found to have one or more nonconformities.

## **2.3 Validation of Processors**

### **2.3.1 Validation Requirements**

In accordance with the requirements referenced in Section 1.1, language processors offered to the Government for purchase, lease, or use in connection with ADP services shall be validated for conformance to FIPS for programming languages. To confirm that the specifications of the designated FIPS have been met:

- a. the processor shall be tested with the Compiler Validation System (CVS) approved by NIST,
- b. the processor validations shall be conducted in accordance with NIST validation procedures,
- c. a Validation Summary Report (VSR) shall be produced summarizing the test results of the CVS on the designated processor for that FIPS,
- d. all nonconformities noted in the VSR shall be corrected within twelve months,
- e. a Certificate of Validation shall be issued if validation results warrant. In order for a processor to receive a Certificate of Validation the processor must successfully pass all applicable tests of the CVS without exception.

The Federal ADP and Telecommunications Standards Index supplies standard terminology which may allow for delayed validation. When delayed validation is allowed, the offeror may meet this



requirement by showing evidence of having submitted the processor for validation. Proof of submission is in the form of a letter from NIST scheduling the validation.

Programming language processors offered to the Federal Government must comply with the applicable Government requirements. Failure to comply with these requirements shall be deemed sufficient cause to declare a bidder non-responsive or to declare a vendor in default for failure to deliver required software.

### **2.3.2 Placement in the List**

For a processor to be placed in the List it must:

- a. have been officially tested within the past twelve calendar months, and
- b. have no errors remaining that were identified during a previous test.

### **2.3.3 Removal from the List**

A processor is removed from the List when:

- a. the processor is not officially tested within twelve calendar months, or
- b. testing indicates that the processor still contains errors identified during a previous validation.

### **2.3.4 Validation Procedures**

Validation procedures are published in the following documents:

Compiler Validation Procedures, dated January 15, 1993  
Ada Compiler Validation Procedures and Guidelines, Version 3.1, August, 1992  
Pascal Validation Policy and Procedures, Version 5.5, April 9, 1993  
MUMPS Validation Procedures, Version 1.0, dated August 13, 1992

## **2.4 Certificate of Validation**

A Certificate of Validation is issued for those programming language processors that have been tested and are considered to be in compliance with the FIPS as specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Index.

The requirement for retesting may be waived and the certificate of validation extended at the option of NIST if:

- a. no errors were identified during the previous testing of the processor,
- b. the vendor certifies, in writing, to NIST that no changes have been made to either the processor or the supporting system software, and
- c. no new version of the validation system has been officially released during the interim period.

## 2.5 Language Processor Validation Suites

Following are the validation suites and ordering information for testing programming language processors for conformance to FIPS.

- a. Copies of the COBOL, Fortran, MUMPS, and Ada Compiler Validation Suites may be purchased from:

National Technical Information Service (NTIS)  
5285 Port Royal Road  
Springfield, VA 22161  
Telephone (703) 487-4650 (Voice)  
(703) 321-8547 (FAX)

COMPILER VALIDATION SYSTEM [MEDIUM/FORMAT]	VERSION	NTIS ACCESSION NUMBER
COBOL 85 (CCVS85)	4.2	PB93-504918
Fortran (FCVS78)	2.1	PB94-500691
Ada [Tape/Backup]	1.11	ADA212551
Ada [Tape/Tar]	1.11	ADA212437
Ada [Tape ANSI Standard]	1.11	ADA212548
Ada [Disk (MS/DOS)]	1.11	ADA212549
MUMPS [Tape/Backup]	7.61	PB91-507699
MUMPS [Tape/ANSI]	7.61	PB91-507715
MUMPS [Tape/Tar]	7.61	PB91-507723
MUMPS [Disk (MS-DOS)]	7.61	PB91-507707

- b. The current version of the Pascal Validation System (PVS) is Version 5.5 and is available from:

British Standards Institution (BSI)  
Software Engineering Department  
BSI Quality Assurance  
P. O. Box 375  
Milton Keynes  
MK14 6LL  
ENGLAND  
Telephone (011) +44-908-220908 (Voice)  
(011) +44-908-220671 (FAX)

- c. The current version of the ANSI C Validation Suite (ACVS™) is Version 4.1 and is available from:

Perennial, Inc.  
4699 Old Ironsides Drive  
Suite 210  
Santa Clara, CA 95054  
Telephone (408) 748-2900 (Voice)

## 2.6 Testing Laboratories and Supporting Organizations

The organizations listed below have performed validations, supplied information, or are sources for Validation Summary Reports (VSR) for programming languages. These organizations may be contacted for validation information and for copies of VSR(s). COBOL and Fortran VSR(s) may be obtained from NIST. Pascal VSR(s) whose VSR numbers begin with "NIST" or end in "US" may also be obtained from NIST. Pascal VSR(s) whose VSR numbers end in "UK" are available from BSI. Ada VSR(s) may be obtained from the Ada Information Clearinghouse, the National Technical Information Service, or from the Ada Validation Facility (AVF) that produced the VSR. To obtain a copy of a VSR from an AVF, locate the upper case letter in the certificate number (e.g., 870608W1. . .). That letter corresponds to the letter in the CODE column to the left of the organizations listed below.

<u>CODE</u>	<u>ORGANIZATION</u>	<u>CONTACTS</u>	<u>LANGUAGE</u>
S	National Institute of Standards and Technology Software Standards Validation Group Building 225, Room A266 Gaithersburg, MD 20899 (301) 975-3274 Telex: 197674 NBS UT FAX: (301) 948-6213	L. Arnold Johnson Judy Kailey  Carmelo Montanez William Dashiell	All COBOL, Fortran BASIC Pascal, C Ada, MUMPS, SQL, VHDL
N	National Computing Centre Limited (NCC) Oxford House, Oxford Road Manchester M1 7ED United Kingdom (011) +44 (61) 228 6333 +44 (61) 236 9877 (FAX) Telex 668962	Jane Pink Jon Leigh David Bamber	COBOL Fortran Ada C
	German National Research Center for Computer Science (GMD) Department Scientific Visualization Supercomputer Center (HLRZ) P. O. 1316, Schloss Birlinghoven D-W-5205 Sankt Augustin 1 Germany (011) +49-2241-14-2706 (voice) (011) +49-2241-14-2618 (FAX) kirsch@gmdzi.gmd.de	Berthold Kirsch	Fortran
	Instituto Italiano del marchio di Qualita (IMQ) Servicio SCQ Via Quintiliano, 43 20138 Milano Italy +39-2-5073266 +39-2-5073271 (Fax) Telex: 310 393 IMQI	Angelo Belloni	COBOL Fortran



	JMI Institute 21-25, Kinuta 1-Chome Setagaya-Ku, Tokyo 157 Japan +81 3 3416 9600	Y. Fukui	COBOL Fortran
	British Standards Institution Quality Assurance (BSIQA) P.O. Box 375 Milton Keynes MK14 6LL United Kingdom (011) +44 908-22-09-08 (011) +44-908-22-06-71 (Fax) Telex: 827682 BSIQAS G	John Souter	Pascal
W	Ada Validation Facility Language Control Facility ASD/SCEL Wright-Patterson AFB, OH 45433-6503 (513) 255-4472	Dale Lange	Ada
B or A	Association Francais de Normalisation (AFNOR) Direction Certification Tour Europe, Cedex 7 BP-92049 Paris la Dè fense FRANCE (011) 33-142915960 (011) 33-142915656 (Fax) Telex: AFNOR 611 974 F	M. Alphonse Philippe	Ada
I	IABG-AVF Industrieanlagen-Betriebsgesellschaft Dept. ITE Einsteinstrasse 20 D-8012 Ottobrunn Federal Republic of Germany +49-89-6088-2477 e-mail: tonndorf@ajpo.sei.cmu.edu	Michael Tonndorf	Ada
	Ada Information Clearinghouse 3D139 1211 S. Fern, C-107 The Pentagon Washington, D.C. 20301-3081 (703) 685-1477		Ada VSR(s)
	National Technical Information Service U.S. Department of Commerce 5285 Port Royal Road Springfield, VA 22161 (703) 487-4650		Ada VSR(s)

## 2.7 LANGUAGE PROCESSORS WITH CERTIFICATES NO NONCONFORMITIES

COBOL -  
Certificates

### 2.7.1 COBOL PROCESSORS

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Computer Associates	CA-Realia II Workbench Version 1.1.20 NIST-94/1701; Intermediate; 6/1/95	IBM PS/2 Model 95; Windows NT Version 3.1	IBM PS/2 Model 60, 70, 80, 90; Windows NT Version 3.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1702; Intermediate; 6/1/95	IBM PS/2 Model 95; Windows Version 3.1	IBM PS/2 Model 60, 70, 80, 90; Windows Version 3.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1703; Intermediate; 6/1/95	IBM PS/2 Model 95; OS/2 Version 2.1	IBM PS/2 Model 60, 70, 80, 90; OS/2 Version 2.1
	CA-Realia II Workbench Version 1.1.20 NIST-94/1704; Intermediate; 6/1/95	IBM PS/2 Model 95; DOS Version 6.20	IBM PS/2 Model 60, 70, 80, 90; DOS Version 6.20
	CA-Realia COBOL Version 4.2 NIST-94/1705; Intermediate; 6/1/95	IBM PS/2 Model 95; DOS Version 6.20	IBM PS/2 Model 60, 70, 80, 90; DOS Version 6.20
	CA-Realia COBOL Version 4.2 NIST-94/1706; Intermediate; 6/1/95	IBM PS/2 Model 90; OS/2 Version 2.1	IBM PS/2 Model 60, 70, 80, 95; OS/2 Version 2.1
Digital Equipment Corporation	VAX COBOL Version 5.2; NIST-94/1401; High; 4/1/95	VAX 4000 Model 60; OpenVMS VAX, Version 5.5	VAX 4000 models 200, 300; VAX 6000 models 200, 300, 400, 500; VAX's 8200, 8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 models 210, 400; VAXft 3000 model 310, VAX 11/730, VAX 11/750, VAX 11/785; MicroVAX II, 2000, 3100, 3200, 3500, 3520, 3540; VAXstation II, 2000, 3100, 3200, 3500, 3520, 3540; VAXserver 3600, 3602, 3800, 3900, 4000 models 200, 300; 6000, 210/220, 6000 310/320; 6000 410/420; 6000 510/520; OpenVMS VAX Version 5.5
	DEC COBOL for OpenVMS AXP Version 2.0; NIST-94/1402; High; 4/1/95	DEC/3000 Model 500; OpenVMS AXP, Version 6.1	DEC 10000, 7000, 4000, 3000, 2000, 1000; OpenVMS for AXP, Version 6.1
	DEC COBOL for OSF/1 AXP Version 1.1; NIST-94/1403; Intermediate; 4/1/95	DEC/3000 Model 500; OSF/1 AXP, Version 2.0	DEC 10000, 7000, 4000, 3000, 2000, 1000; OSF/1 for AXP, Version 2.0

# COBOL PROCESSORS, *Continued*

COBOL -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Micro Focus COBOL V3.1 for UNIX (Digital DECstation); NIST-94/1945; High; 8/1/95	Digital DECstation 5000/240 Ulrix Version 4.3A	
	Micro Focus COBOL V3.1 for UNIX (Digital Alpha AXP running OSF/1); NIST-94/1946; High; 8/1/95	Digital DEC 3000 AXP OSF/1 Version 2.0	
	Micro Focus COBOL V3.2 for UNIX (Intel 80386 running SCO UNIX); NIST-94/1947; High; 8/1/95	UNIQ 486 EISA SCO UNIX Version 3.2 v 4.2	
	Micro Focus COBOL V3.s.43 for NT (Intel 80386 running NT); NIST-94/1948; High; 8/1/95	Dell 466/T MS Windows NT Version 3.1	
	Micro Focus COBOL V3.2 for DOS, Windows and OS2 IBM PC); NIST-94/1949; High; 8/1/95	Digital DECPC 433dx MTE MS DOS Version 6.2	
	Micro Focus COBOL V3.s.47 for NT (Digital Alpha AXP running NT); NIST-94/194A; High; 8/1/95	Digital Alpha AXP 150 MS Windows NT Version 3.1	
Hewlett-Packard Company	COBOL/HP-UX Version B.08.00; NIST-94/1631; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890, 890/1, 890/2, 890/3, 890/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
	COBOL/iX Version A.04.11; NIST-94/1632; High; 5/1/95	HP3000 Series 967; MPE/iX Version B.30.45	HP3000 Series 917, 920, 922, 925, 927, 932, 935, 937, 947, 948, 949, 950, 955, 957, 958, 960, 967, 977, 980/100/200/300/400, 987, 987/200RX/SX, 987/200Plus, 990, 991/CX/DX, 992, 992/100/200/300/400, 995/CX/DX/ 100/200/300/400/500/600/700/800, 918LX/RX, 928LX/RX, 968LX/RX, 978LX/RX; MPE/iX Version B.30.45



# COBOL PROCESSORS, *Continued*

COBOL -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Nihongo COBOL/HPUX (SJIS) Version A.08.02; NIST-94/1633; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200/300/400, 877, 887, 890, 890/1, 890/2/3/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
	Nihongo COBOL/HPUX (EUC) Version A.08.01; NIST-94/1634; High; 5/1/95	HP9000 Series 720; HP-UX Version 9.0	HP9000 Series 635, 645, 705, 710, 712, 715, 720, 725, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200/300/400, 877, 887, 890, 890/1/2/3/4, 897, EXX, FXX, GXX, HXX, IXX, T500; HP-UX Version 9.0
IBM Canada, Ltd.	COBOL/400 Version 2 Release 2; NIST-92/2071; Intermediate; 9/1/94	AS/400; OS/400 Version 2 Release 2	
IBM Corporation	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1082; High; 12/1/94	IBM 3090; VM/ESA Version ESA Release 1.0	IBM 390, 3000, 4381-T92, 9000; VM/ESA Version ESA Release 1.0
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1081; High; 12/1/94	IBM 3090; MVS/ESA Version 4 Release 3	IBM 390, 3000, 4381-T92, 9000; MVS/ESA Version 4 Release 3
	IBM SAA AD/CYCLE COBOL/370 Version 1 Release 1; NIST-94/1923; High; 6/1/95	IBM 3090; MVS/ESA Version 5 Release 1 VM/ESA Version 1 Release 2.2	IBM 390, 3000, 4381-T92, 9000; MVS/ESA Version 4 Release 3 VM/ESA Version ESA Release 1.0
	VS COBOL II Version 1 Release 4; NIST-93/1801; Intermediate; 8/1/94	IBM 3090; MVS/ESA Version 4 Release 2.2	IBM 370, 390, 3000, 4300, 9000; MVS/370 Version 1 Release 3.6, MVS/XA Version 2 Release 2.3
	VS COBOL II Version 1 Release 4; NIST-93/1802; Intermediate; 9/1/94	IBM 3090; VSE/ESA Version 1 Release 3	IBM 370, 390, 3000, 4300, 9000; VSE/ESA Version 1 Release 3
	VS COBOL II Version 1 Release 4; NIST-93/1803; Intermediate; 9/1/94	IBM 3090; VM/ESA Version ESA Release 1.0	IBM 370, 390, 3000, 4300, 9000; VM/SP6

# COBOL PROCESSORS, *Continued*

COBOL -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	VS COBOL II Version 1 Release 4; NIST-94/1921; Intermediate; 6/1/95	IBM 3090; VM/ESA Version 1 Release 2.2 MVS/ESA Version 5 Release 1 VSE/ESA Version 1 Release 3	IBM 370, 390, 3000, 4300, 9000; VM/SP6 MVS/XA Version 2 Release 2.3 MVS/370 Version 1 Release 3.6 VSE/ESA Version 1 Release 3
mbp Information- stechnologie GmbH	Visual COBOL XO V3.3; NIST/NCC-93/976; High; 7/15/94	Sintronic 486 DX 50; MS-DOS Version 5.0	
	Visual COBOL XO Version 3.3; NIST/NCC-93/977; High; 7/15/94	Hewlett Packard HP9000/807S; HP-UX Version 8.02	
Micro Focus	Micro Focus COBOL V3.2 for DOS, Windows and OS/2; NIST-94/1941; High; 8/1/95	Compaq Deskpro; IBM OS/2 Version 2.1 IBM PS/2 Model 80; Microsoft DOS Ver 6.2	IBM PS/2 Model 85; IBM OS/2 Version 2.1 Dell 433 MX MS DOS Version 6.2
	Micro Focus COBOL V3.2 for UNIX (IBM RS/6000); NIST-94/1942; High; 8/1/95	IBM RISC System/6000, 58H AIX Version 3.2.5	
	Micro Focus COBOL V3.2 for UNIX (Intel 80386 running SCO UNIX); NIST-94/1943; High; 8/1/95	UNIQ 486 EISA SCO UNIX 3.2 v 4.2	
	Micro Focus COBOL V3.2 for UNIX (Sun SPARC running Solaris 2); NIST-94/1944; High; 8/1/95	Sun Sparcstation 10 Solaris 2.3	
Microsoft Corporation	Microsoft COBOL Version 5.0; NIST-92/1962; High; 8/1/94	IBM PS/2 Model 60; IBM DOS Version 5.0 Compaq Deskpro; Microsoft DOS, Version 4.01	IBM PS/2 Model 80; DOS Version 3.3
Sequent Computer Systems Corp.	Micro Focus COBOL V3.0; NIST-93/2001; High; 2/1/95	S2000/250; DYNIX/ptx Version 2.0 Release 1.0	S/2000/450, S/750; DYNIX/ptx Version 2.0 Release 1.0
Silicon Graphics, Inc.	Micro Focus COBOL V3.1 for UNIX (SGI Indigo and Challenge); NIST-94/1940; High; 8/1/95	SGI IRIX INDY IRIX Version 5.1.1.2	



# COBOL PROCESSORS, *Continued*

COBOL -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Tandem Computers, Inc.	COBOL85 Version D20.02; NIST-94/1761; High; 6/1/95	NonStop Cyclone; Guardian Version D20	VLX; CLX 700, CLX 800; HIMALAYA K110, K120, K1000, K10000; Guardian Version D20
Unisys Corporation	UCS COBOL (UCOB) Version 6R1 Release SB5R1; NIST-93/1841; High; 8/1/94	2200/900; 1100 OS EXEC, Version 44R1 Release SB5R1	2200/600, 2200/400, 1100/90; 1100 OS EXEC, Version 44R1 Release SB5R1

## 2.7.2 FORTRAN PROCESSORS

Fortran -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Convex Computer Corporation	Convex Fortran Version 9.0; NIST-94/1501; Full; 6/1/95	Convex C Series Model C4620; ConvexOS Version 11.0	Convex C46XX, C38XX, C34XX, C32XX; ConvexOS Version 11.0
	Convex Fortran Version 9.0; NIST-94/1502; Full; 6/1/95	Convex Exemplar Series Model SPP1000/XA; SPP-UX Version 9.03	Convex SPP1000/XA, SPP1000/CD SPP-UX, Version 9.03
Cray Computer Corporation	f77 Version 1.0; NIST-93/2201; Full; 11/1/94	CRAY-3; CSOS Version 1.0	
	f77 Version 1.0; NIST-93/2202; Full 11/1/94	Cray 3; CSOS Version 1.0	
Cray Research, Inc.	CF77 Compiling System Release 6.0; NIST-93/1221; Full; 8/1/94	Cray C90; UNICOS Release 7.C.2ck	Cray C90; UNICOS Release 7.0
	CF77 Compiling System Release 6.0; NIST-93/1222; Full; 8/1/94	Cray Y-MP; UNICOS Release 7.C.2cl	Cray Y-MP, Cray Y-MPEL; UNICOS Release 7.0
Digital Equipment Corporation	DEC Fortran for OpenVMS VAX, Version 6.1; NIST-93/2143; Full; 12/1/94	VAX 6000-420; OpenVMS VAX Version 6.0	VAX 4000 Models 100, 100A, 105A, 200, 300, 400, 500, 500A, 600, 600A, 700A; VAX 6000 Models 200, 300, 400, 500, 600; VAX 7000 Model 600; VAX 8200, 8250, 8300, 8350, 8500, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842; VAX 9000 Models 110, 210, 300, 400, 420, 430, 440; VAX 10000 Model 600; VAXft Models 110, 310, 410, 610, 612; VAX 11/730, 11/750, 11/780, 11/785; MicroVAX II, 2000, 3100 10/10E, 20/20E, 30, 40, 80, 90; MicroVAX 3300, 3400, 3500, 3600, 3800, 3900; VAXstation II, 2000; 3100 Models 30, 38, 40, 48, 76; 3200, 3500, 3250, 3540; VAXstation 4000 Models 60, 90, VLC; VAXserver 3100 Models 10/10E, 20/20E; 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 4000 Models 200, 300, 500; VAXserver 6000 Models 210, 220, 310, 320, 410, 420, 510, 520, 610, 620, 630; VAXserver 9000 Models 110, 310, 320, 330, 340; OpenVMS VAX Version 6.0, 5.5, 5.4
	DEC Fortran for DEC/ OSF/1 AXP Version 3.4; NIST-94/1404; Full; 4/1/95	DEC 4000 Model 610; DEC OSF/1 AXP Version 2.0	DEC/10000; 7000; 4000; 3000; 2000 DEC OSF/1 Alpha Version 2.0

# FORTRAN PROCESSORS, *Continued*

Fortran -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	DEC Fortran for OpenVMS AXP, Version 6.1; NIST-93/2141; Full; 12/1/94	DEC 3000-500; OpenVMS AXP Version 1.5	DEC 2000 300, DEC3000 300, 300L, 500X, 400 AXP Workstation, 400 AXP Server, 500 AXP Workstation, 500 AXP Server; 600, 600 Server 800, 800 Server, DEC 4000 600 AXP, 710; DEC 7000 600 AXP; DEC 10000 600 AXP; OpenVMS AXP Version 1.5
	DEC Fortran for RISC/ULTRIX Version 3.2; NIST-93/2142; Full; 12/1/94	DECstation 5000, Mod 200; RISC/ULTRIX Version 4.3	DECstation 2100, 3100, 3100s; Personal DECstation 5000 20/25 MX, HX, TX, PXG+, PXG Turbo+; DECstation 5000 120/125/133 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo, PXG Turbo+; 200 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo+; 240 MX, HX, TX, PXG, PXG Turbo+; DECsystem 3100; 5000 25, 200, 240; 5100; 5400; 5500; 5810; 5820; 5830; 5840; 5900; ULTRIX/RISC Version 4.3
	DEC Fortran for Windows NT AXP Systems, Ver. 1.0; NIST-93/1761; Full; 8/1/94	DECpc AXP/150; Windows NT AXP, Version 1.0	
Fujitsu America, Inc.	OSIV/MSP Fortran77 EX Version 11 Level 10; NIST-91/1383; Full; 2/1/95	Fujitsu VP100E; OSIV/F4 MSP Edition 20	Fujitsu M780; M760; OSIV/F4 MSP Edition 20
	OSIV/MSP Fortran77 EX Version 11 Level 10; NIST-91/1384; Full; 2/1/95	Amdahl 5990; IBM MVS/SP Version 3 Release 1.3	IBM 3090/200E; IBM MVS/SP Version 2 Release 2.3
	UXP/M Fortran77 EX/VP Version 11 Level 10; NIST-91/1601; Full; 2/1/95	Fujitsu VP2400/10; UXP/M Version 10 Level 10	Fujitsu VP2000 Series; UXP/M Version 10 Level 10
	UXP/M Fortran77 EX/VP Version 11 Level 10; NIST-91/1602; Full; 2/1/95	Fujitsu VP2400/10; UXP/M Version 10 Level 10	Fujitsu VP2000 Series; Fujitsu M Series; UXP/M Version 10 Level 10
Hewlett- Packard Company	HP 9000 S700 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1121; Full; 1/1/95	HP9000 Model 720; HP-UX Version 9.0	HP9000, mod 705, 710, 730, 750; HP-UX Version 9.0
	HP 9000 S300/S400 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1122; Full; 1/1/95	HP9000 Model 433T; HP-UX Version 9.0	HP9000, mod 400, 425, 332, 345, 350, 360, 370, 375, 380, 385; HP-UX Version 9.0
	HP 9000 S800 Fortran 77 Version A.09.00 Rel 9.0; NIST-93/1123; Full; 1/1/95	HP9000 Model 835; HP-UX Version 9.0	HP9000, mod 807, 817, 825, 827, 834, 835, 837, 840, 845, 847, 850, 857, 860, 867, 870; HP-UX Version 9.0



# FORTRAN PROCESSORS, *Continued*

Fortran -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	HP 3000 S900 Fortran 77 Version A.04.31 Rel 9.0; NIST-93/1124; Full; 1/1/95	HP3000 Model 947LX; MPE/iX Version 4.0	HP3000, mod 917, 922, 925, 927, 930, 932, 935, 937, 950, 955, 957, 960, 967, 980, 990; MPE/iX Version 4.0
IBM Canada, LTD	IBM AIX XL Fortran Compiler/6000 Version 2 Release 3; NIST-92/2031; Full; 9/1/94	IBM RISC System /6000 POWERstation /POWERserver 540; AIX for RISC System/6000 Version 3 Release 2	RISC System/6000 Powerstation /Powerserver 220, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 730, RISC System/6000 Powerserver 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
	IBM AIX XL Fortran Compiler/6000 Version 3 Release 1; NIST-93/1921; Full; 1/1/95	IBM RISC System /6000 POWERstation /POWERserver 550; AIX for RISC System /6000 Version 3 Release 2.5	RISC System/6000 Powerstation /Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 58H, 590, 730, RISC System/6000 Powerserver 25S, 930, 950, 970, 990; AIX for RISC System/6000 Version 3 Release 2.5
IBM Corporation	VS Fortran Version 2 Release 5; NIST-91/1921; Full; 8/1/94	IBM 4381; VM/SP Version 1 Release 5	S/370 30xx, 43xx, 93xx, S/390, ES/9000; VM/XA Version 1, Rel 1, 2 S/370 30xx, 43xx, S/390, ES/9000; VM/ESA Version 1, Rel 1, 1.1
	VS Fortran Version 2 Release 5; NIST-91/1922; Full; 8/1/94	IBM S/370 3090; MVS/ESA SP Version 4 Release 2	S/370 30xx, 43xx, 93xx, S/390, ES/9000; MVS/SP Version 1, Release 3 MVS/SP Version 2, Release 2 MVS/SP Version 3, Release 1
	VS Fortran Version 2 Release 5; NIST-90/1823; Full; 8/1/94	IBM 3090; AIX/370 Version 1 Release 2	S/370, 30xx, 43xx, 93xx; AIX/370 Version 1, Release 2
	VS Fortran Version 2 Release 6; NIST-94/1922; Full; 6/1/95	IBM S/390 ES9000 9021 Model 720 MVS/ESA SP Version 4 Release 3	S/390, ES/9000, S/370, 30XX, 43XX, 93XX MVS/SP Version 1, Release 3 MVS/SP Version 2, Release 2 MVS/SP Version 3, Release 1
Intel SSD	f77 Native Compiler Version R4.5; NIST-93/1781; Full; 11/1/94	XP/S; OSF/1 AD Release R1.1	
Intergraph Corporation	Clipper Advanced Optimizing Fortran, Version 1.57; NIST-94/1101; Full; 12/1/94	Clipper Model 2730; CLIX, Version 7.1	Clipper C300 and C400; CLIX, Version 7.1

# FORTRAN PROCESSORS, *Continued*

Fortran -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Clipper Advanced Optimizing Fortran, Version 2.0; NIST-94/1104; Full; 12/1/94	Clipper Model 2730; CLIX, Version 7.1	Clipper C300 and C400; CLIX, Version 7.1
Microsoft Corporation	Fortran PowerStation 32 for Windows NT, Version 1.0; NIST-93/2061; Full; 10/1/94	Dell PC 486D/SO with Intel 486 CPU; Microsoft Windows NT Version 3.1	
	Fortran PowerStation Version 1.0, Release a; NIST-94/1421; Full; 6/1/95	Dell PC 486D/50 CPU Microsoft Windows for Workgroups Version 3.1.1 under MS DOS Version 6.20	
Modular Computer Systems, Inc.	GLS Fortran 77 Version C.0; NIST-94/1561; Full; 4/1/95	REAL/STAR 9088R-4; REAL/IX Version E.0	REAL/STAR Models 9088 R-2, 9088 R-1, 9087; REAL/IX Version E.0
	Fortran 77/16 Version B.5; NIST-94/1562; Full; 4/1/95	CLASSIC 9250; MAX IV Version L.0	CLASSIC 9230; MAX IV Version L.0
	Fortran 77/32 Version B.5; NIST-94/1563; Full; 4/1/95	CLASSIC 9250; MAX 32 Version D.3	CLASSIC 9230; MAX 32 Version D.3
	Fortran PowerStation 32 for Windows NT Version 1.0; NIST-93/2061; Full; 10/1/94	Dell PC 486D/SO with Intel 486 CPU; Microsoft Windows NT Version 3.1	
Salford Software Ltd.	FTN77/486 Version 2.73; NIST/NCC-94/983; Full; 6/30/95	Western Systems 486 DX2 (WS486 DX2-66); MS-DOS Version 6.2	
	FTN77 Version 1.0; NIST/NCC-94/984; Full; 6/30/95	Western Systems 486 DX2 (WS486 DX2-66); MS-Windows/NT Version 3.1	
Sequent Computer Systems, Inc.	ptx/Fortran Version 2.1p NIST-93/2002; Full; 2/1/95	S2000/250; DYNIX/ptx Version 2 Release 1.0	S2000/450, S2000/750; DYNIX/ptx Version 2 Release 1.0
Siemens Nixdorf Informations- systeme AG	Fortran77 V1.3; NIST/NCC-93/978; Full; 11/1/94	PCE-5S; SINIX-Z V5.41	MX300, MX500, WX200; SINIX-L Version 5.41

# FORTRAN PROCESSORS, *Continued*

Fortran -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Fortran77 V1.3; NIST/NCC-93/979; Full; 11/1/94	RM400; SINIX-N V5.41	RM600, RNM600; SINIX-P Version 5.41
	FOR1 V2.2; NIST/NCC-93/980; Full; 11/1/94	7.592I; BS2000/OSD V1.0A (BS2000 V11.0A)	
	FORTTRAN90 V1.0; NIST/NCC-93/981; Full; 11/1/94	7.592I; BS2000/OSD V1.0A (BS2000 V11.0A)	
SUNPRO	SPARCcompiler Fortran Version 3.0; NIST-93/2181; Full; 2/1/95	SPARCstation LX SPARCserver 1000; Solaris Version 2.3	
	SPARCcompiler Fortran MP (SPARCworks iMPact 1.0); NIST-93/2182; Full; 2/1/95	SPARCstation 10 SPARCserver 1000 SPARCcenter 2000; Solaris Version 2.3	
	ProCompiler Fortran Version 3.0.1; NIST-93/1901; Full; 8/1/94	DELL Model 433DE; Solaris Version 2.1 Release X86	
Tandem Computers, Inc.	Fortran Version D20; NIST-94/1762; Full; 6/1/95	NonStop Cyclone; Guardian Version D20	VLX; CLX 700; CLX 800; HIMALAYA K110, K120, K1000, K10000 Guardian Version D20
Unisys Corporation	UCS Fortran (UFTN), Ver. 5R1 Release SB5R1; NIST-93/1842; Full; 8/1/94	2200/900; 1100 OS EXEC, Version 44R1 Release SB5R1	2200/600, 2200/400, 1100/90; 1100 OS EXEC, Version 44R1 Release SB5R1



## 2.7.3 Ada PROCESSORS

The following pages list Ada compilers that have been validated by the Ada Joint Program Office (AJPO). Compilers are listed in order of vendor. The list is updated monthly, and presently includes 336 base compilers and 401 compilers derived from base implementations. For the most current information on validated Ada compilers, please contact the Ada Information Clearinghouse at (703) 685-1477.

(Key: \* = Validated through Registration, base system above)

(Key: (#YYMMDDFX.XXNNN): YYMMDD is the date on-site testing was completed;

F is the Ada Validation Facility;

X.XX is the ACVC Version;

NNN is a unique sequence number that is assigned by the AVO)

For example, the certificate number #901120W1.11087 means the compiler completed on-site testing November 20, 1990, at Wright-Patterson AFB under ACVC 1.11.

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration AETECH XAda Ver. 6.1 (BASE #901129W1.11086)	Any computer system comprising: cpu: Intel 80386 or 80486; fpu: Optional; memory: 8 MByte RAM; disk: 160 MByte hard drive (under SCO Unix 3.2, Solaris X86, ESIX System V, Release 4.0, & Interactive Unix System V, Release 3.2)	Same as Host	AETECH, Inc. IntegrAda 5.1.0 POSIX (#901129W1.11086)	Unisys PW/2 386 (under SCO Unix 3.2)	Same as Host
*Validated by Registration AETECH XAda Version 6.1 (BASE #901129W1.11086)	Any computer system comprising: cpu: Intel 80386 or 80486; fpu: optional; memory: 8 MByte RAM; disk: 160 MByte hard drive (under Univel UnixWare Version 1.0.3a)	Same as Host	*Validated by Registration AETECH, Inc. IntegrAda Posix 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host
AETECH, Inc. IntegrAda 386 5.1.0 (#901120W1.11087)	Northgate 386/25 (under Phar Lap/DOS 3.3)	Northgate 386/25 (under MS DOS 3.3)	*Validated by Registration AETECH, Inc. AETECH POSIX Compiler, Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM, disk: 60 MByte hard drive (under Interactive Unix System V, Release 3.2)	Same as Host
*Validated by Registration AETECH, Inc. IntegrAda 386 5.1.0 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)	*Validated by Registration AETECH, Inc. AETECH POSIX Compiler Version 5.1.0 (BASE #901129W1.11086)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 60 MByte hard drive (under ESIX System V, Release 4.0)	Same as Host
*Validated by Registration AETECH, Inc. IntegrAda for Windows Ver 1.2 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0, with Windows 3.1)	Same as Host	Aitech Defense Systems, Inc. AI-ADA/88K Version 2.4 (#900930W1.11030)	VAXstation 3100 Cluster (under VMS 5.3)	Tadpole TP880V (88100-based VME board) (bare machine)
*Validated by Registration AETECH, Inc. IntegrAda 386 Ver 6.2 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80386 & 80486; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0)	Same as Host	*Validated by Registration Aitech Defense Systems, Inc. AI-ADA/88K, Version 2.4 (BASE #900930W1.11030)	All DEC MicroVAX, VAXstation, VAXserver, VAX-11, VAX 8xxx & VAX 6xxx series (under VMS versions 5.0, 5.1, 5.2 & 5.3, as supported)	Tadpole TP880V (88100-based VME board) & Motorola MVME181 (88100-based VME board) (bare machines)
*Validated by Registration AETECH, Inc. IntegrAda DOS Ver 6.1 (BASE #901120W1.11087)	Any Computer System Comprising: cpu: Intel 80x86 series; fpu: optional; memory: 640 KByte RAM; disk: 40 MByte hard drive (under MS DOS 3.3, 5.0, & 6.0)	Same as Host	Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11224)	VAXstation 3100 Cluster (under VMS 5.3)	DSP96002ADS board (bare machine)
			Aitech Defense Systems, Inc. AI-ADA/96K, Version 3.0 (#911012W1.11225)	Sun-4/330 (under SunOS 4.1.1)	DSP96002ADS board (bare machine)
			Alenia Aeritalia & Selenia S.p.A DACs VAX/VMS to 80x86 PM MARA Ada Cross Compiler, Version 4.6 (#920509S1.11259)	MicroVAX 4000/200 (under VMS Version 5.4)	Alenia MARA (80286-based) (under Alenia Operating System, Version 8.6 System)

## Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alenia Aeritalia & Selenia S.p.A DACs 80x86PM, Version 4.60 (BASE #920509S1.11259)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	Alenia MARA 80386- & 80486-based computers (under Alenia Operating System 8.6)	Alsys AlsysCOMP_050, Version 5.3 (#901022A1.11045)	Bull DPX/2 320 (under B.O.S. 02.00.05)	Same as Host
Alliant Computer Systems Corporation Alliant FX/Ada-2800 Compiler, Version 1.0 (#901218W1.11105)	Alliant FX/2800 (under Concentrix Release 2.0)	Same as Host	*Validated by Registration Alsys AlsysCOMP_050, Version 5.3 (BASE #901022A1.11045)	Bull DPX 2/210, /220, /320, /340 & /360 (under BOS 02.00.05 & 2.00.10)	Any Host
Alliant Computer Systems Corporation Alliant FX/Ada Compiler, Version 2.3 (#901218W1.11106)	Alliant FX/80 (under Concentrix Release 5.7)	Same as Host	Alsys AlsysCOMP_002, Version 5.3 (#901022A1.11046)	HP 9000s350 (under HP-UX 6.5)	Same as Host
AlsysCOMP_085, 5.5 Alsys (#931208W1.11334)	CompuAdd 466 (under Windows NT, Version 3.1 + Threads)	Same as Host	*Validated by Registration Alsys AlsysCOMP_002, Version 5.3 (BASE #901022A1.11046)	HP 9000 Series 300, all models (under HP-UX 6.5 & 7.0)	Any Host
Alsys AlsysCOMP_053, Version 1.82 (#900509I1.11009)	VAX 8530 (under VMS, Version 5.1)	Same as Host	*Validated by Registration Alsys AlsysCOMP_002 Version 5.5.1 (BASE #901022A1.11046)	HP 9000 Series 300 & 400 (all models) (under HP-UX 8.0)	Any Host
Alsys AlsysCOMP_042, Version 5.3 (#900627N1.11013)	IBM 9370 Model 90 (under AD/370 Version 1.2)	Same as Host	Alsys AlsysCOMP_005, Version 5.3 (#901022A1.11047)	Sun-3/260 (under SunOS 3.2)	Same as Host
Alsys AlsysCOMP_026, Version 1.82 (#900814I1.11040)	Sun-3/60 (under SunOS, Version 4.0.3)	Same as Host	*Validated by Registration Alsys AlsysCOMP_005, Version 5.3 (BASE #901022A1.11047)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Any Host
Alsys AlsysCOMP_025, Version 1.83 (#900814I1.11041)	MIPS M/120-5 (under RISC/os, Version 4.0)	Same as Host	*Validated by Registration Alsys AlsysCOMP_005 Version 5.5.1 (BASE #901022A1.11047)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Any Host
Alsys AlsysCOMP_046, Version 5.3 (#901022A1.11043)	Sony NEWS NWS-1850 (under NEWS-OS 3.3)	Same as Host	Alsys AlsysCOMP_035, Version 5.3 (#901022A1.11048)	CETIA Unigraph 6000 (under Unigraph/X 3.1)	Same as Host
*Validated by Registration Alsys AlsysCOMP_046, Version 5.3 (BASE #901022A1.11043)	Sony NEWS series 1250, 15xx, 17xx, 18xx & 19xx (under NEWS-OS versions 3.3 & 3.4)	Any Host	*Validated by Registration Alsys AlsysCOMP_035, Version 5.3 (BASE #901022A1.11048)	Unigraph 1000/325, 2000/50, 2000/250, 2000/325, 3000/325-333, 6000/325-333, 7000/325, 8000/325 & 9000 (under Unigraph/X 3.1 & 3.1.1)	Any Host
Alsys AlsysCOMP_004, Version 5.3 (#901022A1.11044)	Apollo DN4000 (under Domain/OS SR10.2)	Same as Host	*Validated by Registration Alsys AlsysCOMP_035 Version 5.5.1 (BASE #901022A1.11048)	CETIA Unigraph models 1000/325; 2000/50, /250, /325; 3000/325-333; 6000/325-333; 7000/325/ 8000/325; & 9000 (under Unigraph/X 3.2c.1)	Any Host
*Validated by Registration Alsys AlsysCOMP_004, Version 5.3 (BASE #901022A1.11044)	Apollo DN3000, DN3500, DN4000 & DN4500 (under Domain/OS SR10.2 & SR10.3)	Any Host	Alsys AlsysCOMP_016 Version 5.1 (#901102W1.11055)	Compaq Deskpro 386 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
*Validated by Registration Alsys AlsysCOMP_004 Version 5.5.1 (BASE #901022A1.11044)	HP Apollo 9000 Series 400 (under Domain/OS SR10.4)	Any Host			



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration			*Validated by Registration		
Alsys AlsyCOMP_016 Version 5.1.1 (BASE #901102W1.11055)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS/DOS 5.0 & Phar Lap 4.0)	Any Host	Alsys AlsyCOMP_037, V5.3 (BASE #901114N1.11065)	INMOS T800 transputer on a B403 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Server V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Server 1.3 for file-server support via an INMOS B008 board link; INMOS T425 transputer on a B403 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Server 1.3 for file-server support via an INMOS B008 board link
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11056)	CompuAdd 320 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host			
*Validated by Registration			*Validated by Registration		
Alsys AlsyCOMP_016, Version 5.1 (BASE #901102W1.11056)	HP Vectra RS/20, RS/20C, RS/25 & RS/25C; AST Premium 386; and Unisys 386 & Desktop III (under MS-DOS 3.30, Phar Lap 2.0)	Any Host	Alsys Alsycomp_037 Version 5.4.2 (BASE #901114N1.11065)	INMOS T800 transputer on a B405 TRAM board (bare), with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Server V1.42h)	INMOS T800 transputer on a B405 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS Server V1.42h for file-server support via an INMOS B008 board link and INMOS T425 transputer on a B403 TRAM (bare), using an IBM PC/AT under MS-DOS 3.1 running INMOS Server V1.42h for file-server support via an INMOS B008 board link
*Validated by Registration			*Validated by Registration		
Alsys AlsyCOMP_016 Version 5.1 (BASE #901102W1.11056)	Any Computer System Comprising: cpu: Intel 80386; fpu: optional; memory: 5 MByte RAM; disk: 10 MByte (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host	Alsys AlsyCOMP_012, Version 5.3 (#901116A1.11066)	HP 9000s350 (under HP-UX 6.5)	Motorola MVME101 (68000) (bare machine, using ARTK Version 5.3)
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11057)	ALR Power Veisa 486 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host			
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11058)	HP Vectra RS/25C (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300, Models 340, 345, 360, 370 & 375 (under HP-UX 6.5 & 7.0)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882) (bare machines, using ARTK 5.3)
Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11058)	Unisys Desktop III (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_012, Version 5.3 (BASE #901116A1.11066)	HP 9000 Series 300 (all models) (under HP-UX 6.5 & 7.0)	Motorola M68332EVS Evaluation System Customers (CPU32) (bare machine, using ARTK 5.3)
Alsys AlsyCOMP_003 Version 5.1 (BASE #901102W1.11058)	Any Computer System that executes the Intel 80286, 80386, or 80486 instruction set (under MS/DOS 5.0)	Any Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_012 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 400 (all models) (under HP-UX 8.0)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME 131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11059)	Zenith Z-248 Model 50 (under MS-DOS 3.30)	Same as Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_048 Version 5.5.1 (BASE #901116A1.11066)	Sun SPARCstation & SPARCserver computer families; SPARCcenter 2000 (under SunOS 4.1.2); Solbourne Series 5/100, /530, /600, /670, /800, SE/900; & S4000 (under OS/MP 4.1A.1)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)
Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11059)	HP Vectra ES/12; and IBM PC/AT (all models) (under MS-DOS 3.30)	Any Host	*Validated by Registration		
*Validated by Registration			Alsys AlsyCOMP_063 Version 5.5.1 (BASE #901116A1.11066)	HP 9000 Series 700 (all models) (under HP-UX 9.0)	Motorola MVME101, MVME121, M68332EVS, MVME131, MVME133, MVME133XT, MVME135, MVME147, & MVME167 (68000-, 68010-, 68020-, 68030-, & 68040-based single-board computers) (bare machines, using ARTK 5.5.1)
Alsys AlsyCOMP_037, Version 5.2 (#901114N1.11065)	INMOS T800 transputer on a B405 TRAM (bare) with an INMOS B008 Communications link implemented in an IBM PC/AT (under MS-DOS 3.1 and INMOS Server V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 for file-server support via an INMOS B008 board link			

# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_048, V5.5.2 (BASE #901116A1.11066)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers; and SPARCcenter 2000 (under SunOS 4.1.2)	Motorola MVME10, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, & MEN A4 (68332)(bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys AlsyCOMP_017, V5.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Server 1.3 for file-server support via a CAPLIN QTO board link; INMOS T800 transputer on a B405 TRAM (bare) using the Host running INMOS Server 1.3 for file-server support via a CAPLIN QTO board link
*Validated by Registration Alsys AlsyCOMP_063, V5.5.2 (BASE #901116A1.11066)	Hewlett-Packard HP9000 Series 700 (under HP-UX 9.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, MEN A4 (68332)(bare machines, using ARTK 5.5.2)	*Validated by Registration Alsys Alsycomp_017 Version 5.4.3 (BASE #901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare), using the Host running INMOS Server V1.42i for file-server support via a CAPLIN QTO board link and INMOS T800 transputer on a B405 TRAM (bare), using the Host running INMOS Server V1.42i for file-server support via a CAPLIN QTO board link
*Validated by Registration Alsys AlsyCOMP_79, V5.5.2 (BASE #901116A1.11066)	IBM RS/6000 models M20, 220/225/22W,230/235/23W, 34H, 355, 360, 365, 370, 375/37T, 55L, 570, 580, 58H, 590, 97B, 98B, & 990; CETIA models SBW 225, 2225, 2230, 334H, 3355, 3360, 3365, 3370, 3375, 5580, 558H, 5590, & 9990 (under ADX Version 3.2)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, MVME147, MVME167, & MEN A4 (68332)(bare machines, using ARTK 5.5.2)	Alsys AlsyCOMP_018 Version 5.2 (#901120A1.11070)	MicroVAX 3100 (under VMS 5.3)	Same as Host
Alsys AlsyCOMP_036, Version 5.3 (#901116A1.11067)	Apollo DN4000 (under Domain/OS SR10.2)	Motorola MVME147-1 (68030/68882)(bare machine, using ARTK Version 5.3)	*Validated by Registration Alsys AlsyCOMP_018, Version 5.2 (BASE #901120A1.11070)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2 & 5.4)	Any Host
*Validated by Registration Alsys AlsyCOMP_036, Version 5.3 (BASE #901116A1.11067)	Apollo DN 3000, 3500, 4000 & 4500 (under Domain/OS SR10.2 & SR10.3)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)	Alsys AlsyCOMP_006, Version 5.3 (#901125N1.11071)	IBM 9370 Model 90 (under VM/IS CMS release 5.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_036 Version 5.5.1 (BASE #901116A1.11067)	HP 9000 Series 400 (all models) (under DomainOS SR 10.4)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	Alsys AlsyCOMP_023, Version 5.3 (#901125N1.11072)	IBM 370 3084Q (under MVS/XA release 3.2)	Same as Host
Alsys AlsyCOMP_015, Version 5.3 (#901116A1.11068)	Sun 3/260 (under SunOS 3.2)	Motorola MVME121 (68010) (bare machine, using ARTK Version 5.3)	Alsys AlsyCOMP_011, Version 5.3 (#901127A1.11069)	VAX 6210 (under VMS 5.2)	Motorola MVME135-1 (68020/68881)(bare machine, using ARTK Version 5.3)
*Validated by Registration Alsys AlsyCOMP_015, Version 5.3 (BASE #901116A1.11068)	Sun 3/50, /60, /75, /80, /160, /260, /280, /470 & /480 (under SunOS 3.2, 3.5, 4.0 & 4.1)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)	*Validated by Registration Alsys AlsyCOMP_011, Version 5.3 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS 5.2, 5.3 & 5.4)	Motorola MVME101 (68000), MVME121 (68010), MVME135-1 (68020/68881)& MVME147-1 (68030/68882)(bare machines, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_015 Version 5.5.1 (BASE #901116A1.11068)	Sun Microsystems Sun-3 computer family (under SunOS 4.1.1)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	*Validated by Registration Alsys AlsyCOMP_011 Version 5.3.1 (BASE #901127A1.11069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.2, 5.3, & 5.4, as supported)	Motorola MVME101 (68000), MVME121 (68010), MVME133XT & MVME135-1 (68020), & MVME147-1 (68030)(bare machines, using ARTK 5.3.1)
Alsys AlsyCOMP_017, Version 5.2 (#901118N1.11064)	MicroVAX II (under VMS V5.3)	INMOS T425 transputer on a B403 TRAM (bare) using the Host running INMOS Server 1.3 for file-server support via a CAPLIN QTO board link	*Validated by Registration Alsys AlsyCOMP_028 Version 5.3 (BASE #901127A1.11069)	Compaq Deskpro 386/20 (under DOS 3.31 & 5.0)	Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135-1, MVME147-1, M68332EVS(68000, 68010, 68020, & 68030 cpu.s) (bare machine, using ARTK Version 5.3)



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_011 Version 5.5.1 (BASE #901127A1.111069)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 computer series (under VMS 5.4)	Motorola MVME 131, MVME133, MVME133XT, MVME135, & MVME147 (68020 & 68030 cpu.s) (bare machines, using VRTX32); Motorola MVME101, MVME121, MVME131, MVME133, MVME133XT, MVME135, M68332EVS, MVME147, & MVME167 (68000, 68010, 68020, 68030, & 68040 cpu.s) (bare machines, using ARTK Version 5.5.1)	Alsys AlsyCOMP_034 Version 5.1 (#910129W1.11113)	IBM PS/2 Model 80 (under LinuxOS Version 2.0 + Threads Release 11)	Same as Host
Alsys AlsyCOMP_034, Version 5.1 (#901221W1.11103)	Multitech 1100 (under SCO Unix 3.2)	Same as Host	*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #910129W1.11113)	IBM PS/2 Models 70-xxx & 80-xxx (under LinuxOS Version 2.0 Release 15)	Any Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Everex AG1 3000D, Compaq Deskpro 386 & SAJ Technologies Army Lightweight Computer Unit (LCU V2) (under Interactive Unix 3.2)	Each Host, self-targeted	*Validated by Registration Alsys AlsyCOMP_070 Version 5.5.3 (BASE #910129W1.11113)	Any computer system that executes the Intel 80386 or i486 instruction set (under LinuxOS, Version 2.1)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Prime MBX (under Prime Unix V.4)	Same as Host	Alsys AlsyCOMP_056, Version 1.82 (#91013111.11127)	Sun 3/60 (under SunOS, Version 4.0.3)	KWS EB68020 (under OS-9/68020, Version 2.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System comprising: cpu: Intel 80386 or 80486; fpu: optional (under a Unix 3.2-based OS)	Each Host, self-targeted	Alsys AlsyCOMP_055, Version 1.82 (#91020111.11128)	VAX 8530 (under VMS, Version 5.3-1)	KWS EB68020 (under OS-9/68020, Version 2.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under SCO Open Desktop 1.1 & SCO Unix 3.2, SCO Open Desktop 2.0 & SCO Unix 3.2.4, Interactive Unix 3.2.2, and AT&T Unix System V Release 4.0)	Any Host	Alsys AlsyCOMP_029, Version 5.3 (#910323W1.11131)	CompuAdd 325 (under DOS 3.31)	Intel iSBC 386/116 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #901221W1.11103)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under SCO Open Desktop 1.1 & SCO Unix 3.2, SCO Open Desktop 2.0 & SCO Unix 3.2.4, Interactive Unix 3.2.2, and AT&T Unix System V Release 4.0)	Any Host	*Validated by Registration Alsys AlsyCOMP_029, Version 5.3.1 (BASE #910323W1.11131)	Any Computer System that executes the Intel 80386 or 80486 instruction set (under MS-DOS version 5.0 & Phar Lap version 4.0)	Any 80486 single board computer (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1.2 (BASE #901221W1.11103)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2.4 running SecureWare CMW+ Version 2.2)	Same as Host	Alsys AlsyCOMP_030, Version 5.3 (#910323W1.11132)	MicroVAX II (under VMS 5.2)	Intel iSBC 386/31 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.5 (BASE #901221W1.11103)	Any computer system that executes the Intel 80386 or i486 instruction set (under SCO Open Desktop 2.0 with SCO Unix version 3.2.4, Interactive Unix 3.2.2, or AT&T Unix System V Release 4.0)	Any Host (same OS as Host)	*Validated by Registration Alsys AlsyCOMP_030, Version 5.3.1 (BASE #910323W1.11132)	MicroVAX II (under VMS 5.2)	Any 80386 single board computer (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1.2 (BASE #901221W1.11103)	SAK LCU V2 (under SCO Open Desktop 2.0 (SCO Unix 3.2.4))	Same as Host	Alsys AlsyCOMP_033, Version 5.3 (#910323W1.11133)	Sun 3/140 (under SunOS 4.1)	Intel iSBC 386/12 (bare machine, using ARTK 5.3)
*Validated by Registration Alsys AlsyCOMP_043, Version 5.3 (#901221W1.11104)	Apple Macintosh IIcx (under Macintosh System Software 6.0.5)	Same as Host	*Validated by Registration Alsys AlsyCOMP_052, Version 5.3.1 (BASE #910323W1.11133)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Intel iSBC 386/31, iSBC 386/1xx, iSBC 486/1xx (bare machines, using ARTK 5.3)
			Alsys AlsyCOMP_049, Version 1.83 (#91040711.11144)	VAX 8530 (under VMS Version 5.3-1)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
			*Validated by Registration Alsys AlsyCOMP_049, Version 1.83-01 (BASE #91040711.11144)	VAX 8530 (under VMS 5.3-1)	Lockheed Sanders STAR MVP (R3000/R3010) (bare machine)

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_049, Version 1.84 (BASE #91040711.11144)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 series of computers (under VMS 5.3 & 5.4)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)	*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))
Alsys AlsyCOMP_057, Version 1.83 (#91062511.11193)	DECstation 3100 (under ULTRIX Version 4.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11228)	HP 9000 Series 800 Models 807, 817, 847, & 867 (under HP-UX B-Level Security Operating System, Version A.08.08)	Any Host
*Validated by Registration Alsys AlsyCOMP_057, Version 1.83-01 (BASE #91062511.11193)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0 & 4.2)	Any Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)
Alsys AlsyCOMP_024, Version 5.3 (#910809W1.11195)	IBM RISC System 6000, model 520 (under AIX v3.1)	Same as Host	*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.2 (BASE #911107W1.11228)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 800, all models (under HP-UX, Version 9.0)
*Validated by Registration Alsys AlsyCOMP_024 V5.4 (BASE #910809W1.11195)	IBM RISC System 6000 (all models) (under AIX 3.2)	Any Host	Alsys AlsyCOMP_072 Version 5.37 (#911119A1.11231)	Sun SPARCstation 2 (under SunOS 4.1.1)	Same as Host
Alsys AlsyCOMP_058, Version 5.3 (#910809W1.11196)	Unisys B39 (under BTOS II, v3.2.0)	Same as Host	*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Sun SPARCstation ELC, IPC & IPX; SPARCserver 330, 370, 390, 470, 490, 630MP, 670MP & 690MP (under SunOS 4.1.1)	Any Host
Alsys AlsyCOMP_040, Version 5.3 (#910809W1.11197)	HP Vectra RS/25C (under DOS 3.30)	Unisys B39 (under BTOS II, v3.2.0)	*Validated by Registration Alsys AlsyCOMP_047, Version 5.37 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800, & 5E/900; and S4000 (under OS/MP 4.1)	Any Host
Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11227)	HP 9000 Series 700 Model 720 (under HP-UX, Version A.B8.05 (release 8.05))	Same as Host	*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	SPARCstation ELC, IPC, & IPX; SPARCserver 330, 370, 390, 490, 690MP, 670MP, & 690MP (under SunOS 4.1.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.35 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05)); HP 9000 Series 800, all models (under HP-UX, Version A.B8.00 (release 8.00))	HP 9000 Series 700, all models (under HP-UX, Version A.B8.05 (release 8.05))	*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Solbourne Series 5/500, /530, /600, /670, /800, & 5E/900; & S4000 (under OS/MP 4.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.1 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1)	*Validated by Registration Alsys AlsyCOMP_047 Version 5.5.1 (BASE #911119A1.11231)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer series (all models) (under Solaris 2.1)	Any Host
*Validated by Registration Alsys AlsyCOMP_076, Version 5.5.2 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.1)	HP 9000/742 RT VME board (under HP-RT, Version 1.1)	*Validated by Registration Alsys AlsyCOMP_061, Version 1.83 (#92042911.11251)	DECstation 3100 (under ULTRIX Version 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)
*Validated by Registration Alsys AlsyCOMP_062 Version 5.5.2 (BASE #911107W1.11227)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1); HP 9000 Series 800, all models (under HP-UX, Version 9.0)	HP 9000 Series 700, all models (under HP-UX, Version 9.0.1)	*Validated by Registration Alsys AlsyCOMP_061, Version 1.84 (BASE #92042911.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010)(bare machine)
Alsys AlsyCOMP_062, Version 5.35 (#911107W1.11228)	HP 9000 Series 800 Model 835 (under HP-UX, Version A.B8.00 (release 8.00))	Same as Host			



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Alsys AlsyCOMP_061, Version 1.84-01 (BASE #92042911.11251)	DEC DECstation & DECsystem computer families (under ULTRIX 4.2)	Lockheed Sanders STAR MVP board (R3000/R3010), Integrated Device Technology IDT7RS385board (R3081E) (bare machines)	Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#93011551.11308)	HP 9000 Series 800 Model 867 (under HP-UX BLS Version A.08.08)	Same as Host
Alsys AlsyCOMP_069, Version 1.83 (#92073011.11262)	Control Data 4336 (under TC/DX 1.0.2)	Same as Host	Alsys Alsys Ada Software Development Environment for HP 9000 Series 700/800, Version 5.35 (#93011551.11309)	Zenith Data Systems Z-Station 433 DEh (under SCO Unix 3.2 running SecureWare CMW+ Version 2.2 w/MaxSix)	Same as Host
*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #92073011.11262)	Control Data 4000 series of computers (under TC/DX 1.0.2 & 1.1)	Any Host	Alsys AlsyCOMP_068, Version 1.83 (#93012511.11310)	Control Data 4680 (under EP/DX 1.4.3)	Same as Host
*Validated by Registration Alsys AlsyCOMP_069, Version 1.83 (BASE #92073011.11262)	Control Data 4000 series of computers (under TC/DX 1.2)	Any Host	Alsys AlsyCOMP_032, 5.5 (#931208W1.11333)	CompuAdd 433 (under IBM OS/2, Version 2.1 + Threads)	Same as Host
Alsys AlsyCOMP_062 Version 5.35 (#921118N1.11298)	HP 9000 Series 800 Model 827 (under HP-UX Version 8.02)	Same as Host	*Validated by Registration Alsys (formerly TeleSoft) TeleGen2Ada Cross Development System for Sun-4 to 68k, Version 4.1aS (or VIA_S) (BASE #92121811.11304)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.1)	DY 4 Systems SYME-122 (bare machine, using TeleAda-Exec)
Alsys AlsyCOMP_073, Version 5.3 (#921126N1.11300)	IBM ES/9000 Model 610 (under ADXESA Version 2)	Same as Host	Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS, Version S3C1.82-02 (#91101611.11233)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5D)	Sun-3/60 (under SunOS Version 4.0.3)
Alsys AlsyCOMP_019 Version 5.3.1 (#921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Intel iSBC 186/100 (bare machine)	Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS, Version VC1.82-02 (#91111811.11236)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	VAX 8350 (under VMS Version 5.4-1)
*Validated by Registration Alsys AlsyCOMP_065, Version 5.3 (BASE #921210W1.11302)	Sun Microsystems Sun-4, SPARCserver, and SPARCstation computer families (under SunOS 4.1)	Any Intel 8086, 80186, or 80286 single-board computer (bare machine, running ARTK 5.3)	Alsys / German MoD NATO SWG on APSE Compiler for VAX/VMS to MC68020, Version VCM1.82-02 (#92030611.11248)	VAX 8350 (under VMS Version 5.4-1, with CAIS Version 5.5E)	Motorola MVME133XT (MC68020) (bare machine)
*Validated by Registration Alsys AlsyCOMP_019 Version 5.3.1 (BASE #921210W1.11302)	CompuAdd 433 (under MS-DOS 5.0 running Phar Lap 4.0)	Any 80C186EB- & 80C188EB-based single-board computers (bare machines)	Alsys / German MoD NATO SWG on APSE Compiler for Sun3/SunOS to MC68020, Version S3CM1.82 (#92072811.11261)	Sun-3/60 (under SunOS Version 4.0.3, with CAIS Version 5.5E)	Motorola MVME133XT (MC68020) (bare machine)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#93011551.11305)	HP 9000 Series 800 Model 807 (under HP-UX BLS Version A.08.08)	Same as Host	ATLAS ELEKTRONIK GmbH ATLAS ELEKTRONIK Ada Compiler VVME 1.82 (#91032411.11136)	VAX 6000-410 (under VMS Version 5.2)	ATLAS ELEKTRONIK GmbH MPR 2300 (under MOS 2300, Version 2.1)
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#93011551.11306)	HP 9000 Series 800 Model 817 (under HP-UX BLS Version A.08.08)	Same as Host			
Alsys Alsys Ada Software Development Environment for HP 9000 Series 600, 700 & 800, Version 5.35 (#93011551.11307)	HP 9000 Series 800 Model 847 (under HP-UX BLS Version A.08.08)	Same as Host			

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Concurrent Computer Corporation C3Ada, Version 0.5 (#90042711.11008)	Concurrent Computer Corporation 8400 (MIPS R3000/3010)(under RTU Version 5.1)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0 (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010)(under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3Ada, Version 0.5 (BASE #90042711.11008)	Concurrent Computer Corporation 8500 (MIPS R3000/R3010)(under RTU Version 5.1)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0p (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (R3000/3010), all models (under RTU Versions 5.1A, 5.1B & 6.0)	Same as Host
Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11107)	Concurrent Computer Corporation 6650 with Super Lightning Floating Point (under RTU Version 5.0C)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (MIPS R3000/3010)(under RTU Version 6.0)	Any Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 with Super Lightning Floating Point, and Series 5000 with Lightning Floating Point (all models) (under RTU Version 5.0A, 5.0B & 5.0C)	Any Host	Concurrent Computer Corporation C3 Ada Version 1.1v (#901130W1.11110)	Concurrent Computer Corporation 6650 with MC68882 Floating Point (under RTU Version 5.0C)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11107)	Concurrent Computer Corporation Series 6000 (MC68030, with Super Lightning Floating Point) & Series 5000 (MC68020, with Lightning Floating Point) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1v (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 with an MC68882 fpu, and Series 5000 with an MC68881 fpu (all models) (under RTU Versions 5.0A, 5.0B & 5.0C)	Any Host
Concurrent Computer Corporation C3 Ada Version R03-00V (#901130W1.11108)	Concurrent Computer Corporation 3280MPS (under OS/32 Version R08-03.2)	Same as Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.1 (BASE #901130W1.11110)	Concurrent Computer Corporation Series 6000 (MC68030/MC68882) & Series 5000 (MC68020/MC68881) (under RTU Versions 5.0A, 5.0B, 5.0C & 6.0)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version R03-00V (BASE #901130W1.11108)	Concurrent Computer Corporation Series 3200: 3200 MPS, 3203, 3205, 3210, 3220, 3230, 3250, 3230XP, 3250XP, 3230MPS, 3260MPS, Micro4, and Micro5 (under OS/32 Versions R08-03, R08-03.1 & R08-03.2)	Any Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.2 & 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040)(under RTU Version 6.1)	Any Host
*Validated by Registration Concurrent Computer Corporation C3Ada Version R03-00 (BASE #901130W1.11108)	Concurrent Computer Corporation System Bus Processor family of computers (under Trusted OS/32 and MTM Version R08-03.3S, and OS/32 Versions R08-03.2, R09-01.1OS/32, & R09-02)	Any Host	*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 2.0b (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040)(under RTU Version 6.1)	Any Host
Concurrent Computer Corporation C3 Ada Version 1.0v (#901130W1.11109)	Concurrent Computer Corporation 8400 (MIPS R3000/3010)(under RTU Version 5.1)	Same as Host	Control Data Systems, Inc. NOS/VE Ada, Version 1.4 (#931217S1.11336)	CYBER 180-930-31 (under NOS/VE, Level 826)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.0v (BASE #901130W1.11109)	Concurrent Computer Corporation Series 8000 (all models) (under RTU Versions 5.1, 5.1A & 5.1B)	Any Host	CONVEX Computer Corporation CONVEX Ada, Version 2.0 (#900910W1.11027)	CONVEX C220 (under ConvexOS 8.1)	Same as Host



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration CONVE Computer Corporation CONVE Ada, Version 2.0 (BASE #900910W1.11027)	CONVE C120, C201, C202, C210, C220, C230, C240, C210i, C220i & C230i (under ConvexOS, Versions 8.1 and 9.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	Cray Y-MP, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted
*Validated by Registration CONVE Computer Corporation CONVE Ada, Version 2.0 (BASE #900910W1.11027)	CONVE C120, C201, C202, C210, C210i, C220, C220i, C230, C230i, C240, C3210, C3220, C3230, C3240, C3410, C3420, C3430, C3440, C3450, C3460, C3470, C3480, C3810, C3820, C3830, C3840, C3850, C3860, C3870, C3880 (under ConvexOS versions 8.1, 9.0, 9.1 & 10.0)	Each Host, self-targeted	*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11117)	Cray Y-MP EL (under UNICOS Releases 6.0 & 6.1)	Same as Host
*Validated by Registration CONVE Computer Corporation CONVE Ada, Version 2.1 (BASE #900910W1.11027)	CONVE C120, and C2xx, C32xx, C34xx, & C38xx computer series (under ConvexOS, Versions 8.1, 9.0, 9.1, 10.0, & 10.1; and ConvexOS/Secure Versions 9.5 & 10.0)	Same as Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11117)	Cray Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1)	Each Host, self-targeted
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11116)	Cray X-MP/EA & X-MP (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.1 (BASE #901112W1.11117)	Cray C-90 (in Y-MP mode) (under UNICOS 7C.0)	Same as Host
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #901112W1.11117)	Cray Y-MP & Y-MP EL (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #911006W1.11223)	Cray-2 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted
*Validated by Registration Cray Research Inc. Cray Ada Compiler Release 3.1 (BASE #911006W1.11223)	Cray CRAY-2/4-128 (all models) (under UNICOS Releases 6.1 & 7.0)	Any Host	*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #911006W1.11223)	Cray-2/4-128 (all models) (under UNICOS Release 6.1)	Each Host, self-targeted
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11116)	Cray X-MP/EA (under UNICOS Release 5.0)	Same as Host	DDC International A/S DACS VAX/VMS Native Ada Compiler System, Version 4.6 (#901129S1.11050)	VAX 8530 (under VMS Version 5.3)	Same as Host
*Validated by Registration Cray Research, Inc. Cray Ada Compiler Release 2.0 (BASE #901112W1.11116)	Cray X-MP & X-MP/EA, all models (under UNICOS Releases 5.1, 6.0 & 6.1)	Each Host, self-targeted	DDC International A/S DACS VAX/VMS to 68020 Bare Crass Compiler System, Version 4.6 (#901129S1.11051)	MicroVAX 3100 (under VMS Version 5.3)	Motorola MVME133 board (68020/68881) (bare machine)
*Validated by Registration Cray Research, Inc. Cray Ada Compiler 3.0 (BASE #901112W1.11116)	X-MP/EA (all models) (under UNICOS Release 6.1)	Same as Host	DDC International A/S DACS VAX/VMS to 80386 PM Bare Ada Crass Compiler System, Version 4.6 (#901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBX 386/21 (bare machine)
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11117)	Cray Y-MP (under UNICOS Release 5.0)	Same as Host	DDC International A/S DACS 80386 UNIX V Ada Compiler System, Version 4.6 (#901129S1.11075)	ICL DRS300 (under DRS/UNIX, Version 3.2 (UNIX System V/386 release 3.2))	Same as Host

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
DDC International A/S DACS Sun3/SunOS Native Ada Compiler System, Version 4.6 (#901129S1.11076)	Sun-3/60 (under SunOS, Version 4.0_Export)	Same as Host	*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11077)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 8086 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 86/35 (bare machine)	*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11079)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 in Protected Mode (bare machine)
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 (bare machine)	DDC International A/S DACS 80386 DMS/OS Ada Compiler System, Version 4.6 (#901129S1.11112)	IBM PS/2 Model 80-311 (under LynxOS 386/PS2, Version 2.0A)	Same as Host
*Validated by Registration DDC International A/S DACS VAX/VMS to 80286 PM Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (BASE #901129S1.11077)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers, including Raytheon Military VAX computer model 860 (under VMS Version 5.3)	Intel iSBC 286/12 in Protected Mode (bare machine)	DDC International A/S DACS VAX/VMS to 80860 Bare Ada Cross Compiler System, Version 4.6.1 (#910502S1.11158)	VAX 8530 (under VMS Version 5.3)	Tadpole Technology plc TP860M (bare machine)
DDC International A/S DACS VAX/VMS to 80386 Bare Ada Cross Compiler System with Rate Monotonic Scheduling, Version 4.6 (#901129S1.11078)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)	DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (BASIC_MODE) (#910502S1.11159)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882)(bare machine)
DDC International A/S DACS VAX/VMS to 80186 Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11079)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 186/03 (bare machine)	DDC International A/S DACS Sun-3/SunOS to 68030 Bare Ada Cross Compiler System, Version 4.6.4, MRI IEEE 695 (SECURE_MODE) (#910502S1.11160)	Sun-3/50 (under SunOS Release 4.0_Export)	Motorola MVME143 board (68030/68882)(bare machine)



# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration DDC-I, Inc. DACS VAX/VMS to 80486PM Bare Ada Cross Compiler System, Version 4.6 (BASE #901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 486/125 (bare machine)	Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11053)	VAX 8800 (under VMS Version 5.4)	Same as Host
DDC-I, Inc. DACS MIPS RISC/cs to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-1.6 (#920805S1.11263)	MIPS M/120-5 (under RISC/cs Version 4.50)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11053)	DEC VAX-11, VAXserver, VAXstation, VAXit, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MiVAX Computer Model MiVAX II (under VMS Version 5.4)	Any Host
DDC-I, Inc. DACS DECstation/ULTRIX to MIPS R3000 Bare Ada Cross Compiler System, Release 2.1-1.6 (#920805S1.11264)	DECstation 3100 (under ULTRIX Version 4.0)	Integrated Device Technology IDT7RS301R3000/R3010Board (bare machine)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11053)	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	Any Host
DDC-I, Inc. DACS Sun SPARC/SunOS Native Ada Compiler System, Version 4.6.1 (#920805S1.11265)	SPARCstation 2 (under SunOS, Version 4.1.1)	Same as Host	Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11054)	VAX 8800 (under VMS Version 5.4)	MicroVAX II (under VAXELN Version 4.1, using VAXELN Ada Version 2.2)
DDC-Inter, Inc. InterACT Ada 1750A Compiler System, Release 3.5 (#910705S1.11191)	MicroVAX 3100 Cluster (under VMS 5.2)	InterACT MIL-STD-1750A Instruction Set Architecture Simulator Release 2.3 (bare machine simulation)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	DEC VAX-11, VAXserver, VAXstation, VAXit, MicroVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MiVAX Computer Model MiVAX II (under VMS Version 5.4)	VAX 4000 Models 200 & 300; VAX 6000 Series 200, 300 & 400; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXserver 4000-300; VAXserver 6000 Models 210, 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden MiVAX Computer Model MiVAX II, IVAX 620 & 630; VAX RTA; KA620-BA & KA800-M; rVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 4000 Model 300, 8550, 8700, rVAX 6000 Models 200, 300 & 400 Series and rVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.2, using VAXELN Ada Version 2.2)
DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.0 (#910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)			
*Validated by Registration DDC-Inter, Inc. InterACT Ada MIPS Cross-Compiler System, Release 2.1 (BASE #910705S1.11192)	MicroVAX 3100 Cluster (under VMS 5.2)	Lockheed Sanders STAR MVP R3000/R3010Board (bare machine)			
DDC-INTER, Inc. DACS Sun SPARC/SunOS to 80386 PM bare Ada Cross Compiler System, Version 4.6.4 (#931119S1.11331)	Sun SPARCstation 1+ (under SunOS, Release 4.1.1)	Intel iSBC 386/116 (bare machine)	*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842, 8974 & 8978; VAX-11/730, /750, /780, /785; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation II, 2000, 3100 series, 3200, 3500, 3520, 3540 & 8000; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000-310, 6000-410 & 6000-420; Ratheon Military VAX Computer Model 860 (under VMS Version 5.4)	VAX 6000 Model 200, 300 & 400 Series; VAX 8200, 8250, 8500, 8530, 8550, 8700, 8800 & 8810; VAX-11/730 & /750; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800 & 3900; VAXstation 2000, 3100, 3150, 3200, 3500 & II/GPX; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000 Models 210 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden Systems: Mil Vax II, IVAX 620 & 630; VAX RTA; KA620-BA, rVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 8550, 8700, rVAX 6000 Model 200, 300 & 400 Series & rVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.1 using VAXELN Ada Version 2.2)
DDC-INTER, Inc. DACS MIPS R3000 bare Ada Cross Compiler System, Version 4.7.1 (#931119S1.11332)	Sun SPARCstation IPX (under SunOS, Release 4.1.3)	DACS Sun SPARC/SunOS to MIPS R3000 Bare Instruction Set Architecture Simulator, Version 4.7.1, executing on the Host (bare machine simulation)			
*Validated by Registration DESC Ltd VME Ada Compiler VA3.25 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host			
*Validated by Registration DESC Ltd VME Ada Compiler VA3.20 (BASE #921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host			

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
<p>*Validated by Registration</p> <p>Digital Equipment Corporation VAX Ada Version 2.3 (BASE #901109S1.11054)</p>			<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11317)</p>		
	All VAX, MicroVAX, VAXstation, VAXserver series of computers (as supported) (under VMS Versions 5.4 & 5.5)	VAX 4000, 6000, & 9000 series of computers; MicroVAX II, 2000, & 3000 series of computers; VAXstation II, 2000, 3000, & 4000 series of computers; VAXserver 3000, 4000, & 6000 series of computers; IVAX 620 & 630; KA620-BA, KA800-M, & KAV30 VME SBC; rVAX 300, 1000, 3000, 4000, 6000, & 9000 series of computers; rVAXstation 3100 series of computers; (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)		VAXII, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	VAX 4000, 6000, & 9000; MicroVAX II, 2000, 3000; KA620-BA, KAV30 VME SBC, KA800-M; rVAX 300, 1000, 3000, 4000, 6000, 9000, & rVAXstation 3100; IVAX 620 & 630; VAXstation II, 2000, 3000, & 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)
Digital Equipment Corporation DEC Ada, Version 1.0 (#911025S1.11226)	DECstation 5000 Model 200 (under ULTRIX 4.2)	Same as Host	Digital Equipment Corporation DEC Ada for DEC OSF/1 AXP Systems, Version 3.1 (#931029S1.11330)	DEC 3000 Model 400 (under DEC OSF/1, Version 1.3)	Same as Host
<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)</p>			<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada for DEC OSF/1 AXP Systems, Version 3.1 (BASE #931029S1.11330)</p>		
	DECstation 2100, 3100, 3100s, 5000 Models 120/125, 120/125CX, 120/125PXG, 120/125PXGTURBO, 200, 200CX, 200PX, 200PXG, 200PXGTURBO; and DECsystem 3100, 5000 Model 200, 5100, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX Versions 4.0, 4.1 & 4.2)	Any Host		DEC 2000 Server, 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under DEC OSF/1 Version 1.3)	Any Host
<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada, Version 1.0 (BASE #911025S1.11226)</p>			<p>*Validated by Registration</p> <p>Dowty Maritime Limited TeleGen2 Ada Cross Development System, Version 3.2 for VAX/VMS to 386 (BASE #910325S1.11139)</p>		
	DEC DECstation 2100, 3100, & 5000, and DECsystem 5000, 5100, 5400, 5500, 5800, & 5900 series of computers (under ULTRIX Versions 4.0, 4.1, 4.2, & 4.2A)	Any Host		DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAXII; and VAX 4000, 6000, 7000, 8000, 9000, & 10000 series of computers (under VMS 5.5-2)	All members of the Intel iSBC 386 & iSBC 486 model series (bare machines, using TeleAda-EXEC 3.2)
<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada, Version 1.1 (BASE #911025S1.11226)</p>			<p>E-Systems/ECI Division Tolerant Ada Development System, Version 6.0 (#901003W1.11039)</p>		
	DECstation 2100, 3100, & 5000; and DECsystem 3100, 5000, 5100, 5400, 5500, 5810, 5820, 5840, & 5900 series of computers (under Ultrix Version 4.2)	Any Host		Tolerant Eternity (under TX, 5.4.0)	Same as Host
Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (#930319S1.11315)	DEC 3000 Model 400 (under OpenVMS AXP Operating System, Version 1.0)	Same as Host	EDS-Scicon Defence Limited XD Ada MC68040/ARTX Version 1.2 (#921112N1.11297)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)
<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada for OpenVMS AXP Systems, Version 3.0-5 (BASE #930319S1.11315)</p>			<p>Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11114)</p>		
	DEC 3000 Workstation and Server models, 4000, 7000, & 10000 series of AXP computers (under OpenVMS Version 1.0)	Any Host		Encore 91 Series Model 91-0340 (under UMAX 3.0)	Same as Host
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11316)	VAXstation 4000 Model 60 (under VMS Version 5.5)	Same as Host	<p>*Validated by Registration</p> <p>Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11114)</p>		
				Encore 91 Series, all models (under UMAX 3.0)	Any Host
<p>*Validated by Registration</p> <p>Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (BASE #930319S1.11316)</p>			<p>*Validated by Registration</p> <p>Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11114)</p>		
	VAXII, VAX 4000, 6000, 8000, 9000, & 10000; MicroVAX II, 2000, & 3000; VAXstation II, 2000, 3000, 4000; VAXserver 3000, 4000, & 6000 series of computers (as supported) (under VMS Version 5.4 & 5.5)	Any Host		Encore 91, 93, & 94 Series, all models (under UMAX 3.0)	Any Host
Digital Equipment Corporation DEC Ada for OpenVMS VAX Systems, Version 3.0-7 (#930319S1.11317)	VAXstation 4000 Model 60 (under VMS Version 5.5)	VAXstation 3100 Model 48 (under VAXELN Version 4.4, using VAXELN Ada Version 2.2)			



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11115)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host machine (under MicroARTE 1.2.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.2.0 (BASE #910130W1.11114)	Encore 93 Series, all models (under UMAX 3.1.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host machine (under ARTE Target Runtime 2.0.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore Infinity 90 Series, all models (under UNMAX 3.0.X)	Any Host	*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11115)	Encore Infinity R/T series, all models (under UMAX 3.0.X)	Any Host machine (under ARTE 2.0.0)
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Green Hills Software, Inc. Green Hills Optimizing Ada Compiler, 1.8.7 (BASE #940223W1.11338)	SPARCstation 10 (under SunOS, Release 4.1.3)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.3.0 (BASE #910130W1.11114)	Encore Infinity R/T series, all models (under UMAX 3.0.X)	Any Host	*Validated by Registration Green Hills Software, Inc. Green Hills Optimizing Ada Compiler, 1.8.7 (BASE #940223W1.11338)	SPARCstation 10 (under SunOS, Release 4.1.3)	Force CPU-40 (68040) (bare machine using VxWorks, 5.1)
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11115)	Encore 91 Series Model 91-0340 (under UMAX 3.0)	Encore 91 Series Model 91-0430 (under uMPX 1.0)	Green Valley Software C_Ada, Version 1.1 (#930927S1.11328)	ZENY 386 (under UNIX System V/386, Release 3.2)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0)	GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11180)	MIPS M/120 RISComputer (under UMIPS 4.51)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 2.0 (BASE #910130W1.11115)	Encore 91 Series, all models (under UMAX 3.0)	Encore 91 Series, all models (under microMPX 1.0 & microARTE 1.0)	GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11182)	IBM RISC System 6000/520 (under ADX Version 3)	Same as Host
			GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11184)	HP 9000 Series 400 Model 400T (under HP-UX 7.03)	Same as Host
			GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11186)	Concurrent Computer Corporation M6000 Model 6450 (under RTU 5.0C)	Same as Host

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11187)	Concurrent Computer Corporation M8000 Model 8500 (under RTU 5.1A)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada version 5.2 (BASE #900918W1.11028)	Harris NH-4400, -4800, & -5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Harris NH-4400, NH-4800, & NH-5800 (Harris Ada runtime System & ARMS Runtime System)
GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11188)	Data General AViiON 400 Model 402 (under DG/UX 4.31)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, version 6.2 (BASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2 & CX/RT 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
GSE Gesellschaft fur Software- Engineering mbH Meridian Ada, Version 4.1 (#910711W1.11190)	HP 9000 Series 700 Model 720 (under HP-UX 8.01)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, version 7.1 (BASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 7.1 & CX/RT 7.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)
*Validated by Registration Harris Corporation Harris Ada Compiler, version 6.2 (BASE #900918W1.11028)	Harris NH-4400, NH-4800, & NH-5800 (under CX/UX 6.1, CX/RT 6.1, CX/SX 6.1, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11028)	Harris NH-3800 (under CX/UX 5.1)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.1)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, Version 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler, Version 5.1 (BASE #900918W1.11029)	NH-1200, NH-3400 & NH-3800 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11028)	Harris NH-4400 & NH-4800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400 & NH-3800 (under CX/UX 5.3, CX/RT 5.3 & CX/SX 5.3)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11028)	NH-4400 & NH-4800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11029)	Harris NH-1200, NH-3400, & NH-3800 (under CX/UX 6.1, CX/RT 6.1, & CX/SX 6.1)	Any Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada Compiler 5.1.1 (BASE #900918W1.11028)	NH-4400, NH-4800, & NH-5800 (under CX/UX 6.2, CX/RT 6.2, & CX/SX 6.2)	Any Host (using either Harris Ada Run-time System or ARMS Run-time System)	Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0m (#910411W1.11137)	DN4500 (under Domain/OS SR10.3)	Same as Host



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0p (#910411W1.11138)	DN10000 (under Domain/OS SR10.3.p)	Same as Host	*Validated by Registration Intermetrics Intermetrics MVS Ada Compiler, Version 8.1 (BASE #910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (#901022W1.11049)	HP 9000 Series 300 Model 370 (under HP-UX, Version A.07.00)	Same as Host	Intermetrics Inc. RISCAE TRW RH32-targeted Ada Compiler, 1.0 (#930901W1.11321)	VAXstation 4000 (under VMS 5.5)	RISCAE TRW RH32 Simulator (bare machine simulation, executing on the Host)
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35 (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all models (under HP-UX, Version A.B7.03)	Any Host	Intermetrics Inc. RISCAE Honeywell RH32-targeted Ada Compiler, 1.0 (#930901W1.11322)	VAXstation 4000 (under VMS 5.5)	RISCAE Honeywell RH32 Simulator (bare machine simulation, executing on the Host)
*Validated by Registration Hewlett-Packard Company HP 9000 Series 300 Ada Compiler, Version 5.35t (BASE #901022W1.11049)	HP 9000 Series 300 & 400, all Models (under HP-UX, Versions A.B7.00 (release 7.0), A.B7.03 (release 7.3), A.B7.05 (release 7.5) & A.B8.00 (release 8.0), as supported)	Any Host from the same Series, under the same OS version	Intermetrics, Inc. UTS Ada Compiler, Version 302.03 (#910425W1.11141)	IBM 3083 (under UTS 580 Release 1.2.3)	Same as Host
IBM Canada, Ltd. ADX Ada/6000 Release 2, Preliminary Version (#901127W1.11085)	RISC System/6000 model 7013-530 (under ADX 3.1)	Same as Host	Intermetrics, Inc. Intermetrics MVS Ada Compiler, Version 7.0 (#910622W1.11170)	Amdahl 5890/180E (under MVS/XA Release 2.2)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 2.0 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730 & -930 (under ADX 3.1)	Any Host	International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11091)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 2.2 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730, & -930 (under ADX 3.1 & 3.2)	Any Host, running same ADX version as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/ESA Release 1.0 ESA Feature)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 3.0 (BASE #920121W1.11234)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730, & -930 (under ADX 3.1 & 3.2)	Any Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3084 (under VM/ESA Release 1.0 370 Feature)	Same as Host
IBM Canada, Ltd. ADX Ada/6000 Internal Development Version (#920121W1.11234)	RISC System/6000 model 7012-320 (under ADX 3.2)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/XA Release 2.1)	Same as Host
*Validated by Registration IBM Canada, Ltd. ADX Ada/6000 Release 3.0 (BASE #920121W1.11234)	RISC System/6000, all models (under ADX 3.2)	Any Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/SP Release 6.0 HPO 60)	Same as Host
IBM Canada, Ltd. XL Ada/6000 Internal Development Version (#921119W1.11299)	RISC System/6000, model 7013-520 (under ADX 3.2)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11091)	IBM 3090 (under VM/SP Release 6.0 HPO 60)	Same as Host
Intel Corporation iPSC/860 Ada Release 6.1.0(E) Unix System V/860 Release 4 Version 3, 312425-0001 (#920513W1.11255)	Intel i860 Station (under Unix System V/860, Version 4)	Intel iPSC/860 (under Ada-NX, Release 3.3.1)	International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11092)	IBM 4381 (under MVS/XA Release 3.8)	Same as Host

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.1.0 (BASE #901128W1.11092)	IBM 3090 (under MVS/ESA Release 4.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, VM/CMS Ada Compiler, Version 1.4.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0(370Feature)); IBM 3090 (under VM/ESA 1.1.0(ESAFeature), VM/ESA 1.1.1, VM/XA 2.1, & VM/SP HPO 5.0 & 6.0)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11166)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host	International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11169)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (optimized) (#910612W1.11167)	IBM 4381 (under MVS/ESA Release 3.1)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 & 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/SP XA 2.2)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under MVS/SP XA 2.2)
International Business Machines Corporation IBM Ada/370, Version 1.2.0 (unoptimized) (#910612W1.11168)	IBM 3083 (under VM/SP HPO Release 5.0)	Same as Host	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.1.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.1.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/SP HPO 6.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/SP HPO 6.0)	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA Release 4.2.0)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (MVS/ESA Release 4.2.0)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/XA 2.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/XA 2.1)	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 4.1.0 & 4.2.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3084 (under VM/ESA 1.1.0 (370 Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (370 Feature))	*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.3.0 (BASE #910612W1.11169)	IBM 4381 (under MVS/ESA 3.1.0)	IBM 937x, 43xx, 308x, 3090, & ES/9000 computers (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.0 (ESA Feature))	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.0 (ESA Feature))	*Validated by Registration International Business Machines Corporation IBM Ada/370 MVS Compiler, Version 1.4.0 (BASE #910612W1.11169)	IBM 3090 (under MVS/ESA 3.1.0, 4.1.0, & 4.2.0, & MVS/SP XA 2.2)	IBM 937x, 43xx, 308x 8090, & ES/9000 processors (under same OS as Host)
*Validated by Registration International Business Machines Corporation IBM Ada/370, Version 1.2.0 (BASE #910612W1.11168)	IBM 3090 (under VM/ESA 1.1.1)	IBM 937x, 43xx, 308x, 3090 & ES/9000 processors (under VM/ESA 1.1.1)	International Computers Limited VME Ada Compiler VA3.00 (#911003N1.11222)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV291)	Same as Host



# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
International Computers Limited VME Ada Compiler VA3.10 (#921008N1.11293)	ICL Series 39 Level 80 (under VME with VMEB Environment Option Version SV292)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11145)	HP 9000 Model 720 (under HP-UX Release 8.01)	Same as Host			
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/800, Version 7.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 700/8007.4 (BASE #910510W1.11145)	HP 9000 Series 700 & 800, all models (under HP-UX Versions 8.0 & 9.0, all releases; and HP-UX BLS Version 8.0, all releases)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11146)	Sun 3/50 (under SunOS V4.0)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960XA, Version 7.5 (BASE #910510W1.11148)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAXi; and VAX 4000, 6000, 7000, 8000, 9000, & 10000 series of computers (under VMS 5.4)	Intel i960XA with or without ICE960 on an Intel EXV80960XA board; any single-board computer that uses the i960XA chip; Intel i960XA simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for Sun3, Version 7.4 (BASE #910510W1.11146)	Sun Microsystems Sun-3 computer family (under SunOS 4.0 & 4.1)	Any Host	Irvine Compiler Corporation ICC Ada v7.4.0 (#92052011.11260)	VAXstation 3100 Model M38 (under VMS Version 5.3-1)	Intel i960MX in Hughes DMV running in tagged mode (bare machine, using CHKSYS kernel version 104)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11147)	HP 9000 Model 400 (under HP-UX Release 7.03)	Same as Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MX and i960MM, Version 7.4 (BASE #92052011.11260)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 Series of computers (under VMS 5.4)	Intel i960MM & i960MX on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer that uses the i960MM/MX superscalar chip; Intel i960 simulator (executing on the Host) (bare machine)
*Validated by Registration Irvine Compiler Corporation ICC Ada for HP 9000 Series 300/400, Version 7.4 (BASE #910510W1.11147)	HP 9000 Series 300 & 400, all Models (under HP-UX Version A.B8.05 (release 8.05))	Any Host	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11148)	VAXstation 3100 Model M38 (under VMS 5.3-1)	Intel i80960MC (bare machine)	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	HP 9000 Series 700, all models (under HP-UX Version 8.0, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC, Version 7.4 (BASE #910510W1.11148)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.4)	Intel i960MC with or without ICE960 on an Intel EXV80960MC board; any single-board computer that uses the i960 chip; Intel i960 simulator (executing on the Host) (bare machine)			
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MC 7.4 (BASE #910510W1.11148)	HP 9000 Series 300 & 400, all models (under HP-UX Version 8.0, all releases)	Intel i960MC, with/without ICE 960, on an EXV80960MC board; any single-board computer using the i960 chip; and Intel i060 simulator, executing on the Host (bare machines)	*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	Sun Microsystems Sun-3 computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DXV JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip; and Intel i060 simulator, executing on the Host (bare machines)

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Irvine Compiler Corporation ICC Ada for i960MM and i960MX Version 7.4 (BASE #92052011.11260)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computers, all models (under SunOS version 4.1.2 & Solaris version 1.0.1, all releases)	Intel i960MM & i960MX, with/without ICE 960, on a TRONIX P1960MX-DX/JIAWG Execution Vehicle board; any single-board computer using the i960MM/MX superscalar chip and Intel i060 simulator, executing on the Host (bare machines)	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11035)	IBM PS/2 Model 30 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11031)	Sun-3/260 (under SunOS, Version 4.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11035)	Any Computer System comprising: cpu: any that executes the Intel 8086 instruction set; fpu: Intel 8087 or equivalent, as appropriate; memory: 640 KByte RAM minimum; disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11032)	Sun-4/110 (under SunOS, Version 4.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11035)	Any Computer System Comprising: Cpu: any that executes the Intel 8086 instruction set; Fpu: Intel 8087 or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11032)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS Versions 4.1 & 4.1.1)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11035)	Any Computer System Comprising: cpu: any that executes the Intel 8086 instruction set; fpu: Intel 8087 or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11033)	DECstation 3100 (under Ulrix, Version 3.0)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11036)	ITT XTRA/286 (with Floating-Point Co-Processor) (under MS-DOS 3.20/OS286)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11033)	DECstation 2100, 3100 & 5000 (under Ulrix 3.0)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11036)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 MByte RAM minimum; disk: 20 MByte hard drive, OS: MS-DOS 3.20/OS286	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11034)	IBM PS/2 Model 60 (with Floating-Point Co-Processor) (under IBM PC-DOS 3.30)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11034)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; Fpu: Intel 80287, 80387, or equivalent, as appropriate; Memory: 640 or greater KByte RAM; Disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11034)	Any Computer System comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 640 KByte RAM minimum; disk: 20 MByte hard drive, OS: IBM PC-DOS 3.30	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11036)	Any Computer System Comprising: Cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 or greater MByte RAM; Disk: 20 MByte hard drive (under MS-DOS 3.30/OS286)	Any Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11034)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 640 KByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #900909W1.11036)	Any Computer System Comprising: cpu: any that executes the Intel 80286, 80386, or 80486 instruction set; fpu: Intel 80287, 80387, or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.20/OS286)	Any Host



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11037)	80 Data 386/25 (under 386/ix 1.0.6)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11219)	NeXTstation (under System Release 2.0)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Any Computer System comprising: cpu: any that executes the Intel 80386 or 80486 instruction set, fpu: optional Intel 80387 or equivalent, for 80386 cpu, memory: 2 MByte RAM minimum, disk: 40 MByte hard drive, OS: SCO Unix 3.2 or Interactive 386/ix 1.0.6	Any Host machine running the same OS	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860 VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11037)	Sequent Symmetry 2000/40, /200, /400 & /700 (under DYNIX/ptx V1.2.0)	Any Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MCB60VB & MCB60VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (BASE #900909W1.11037)	Any Computer System Comprising: Cpu: any that executes the Intel 80386 or 80486 instruction set; Fpu: Intel 80387 or equivalent, for 80386 cpu; Memory: 2 or greater MByte RAM; Disk: 40 MByte hard drive (under SCO Unix 3.2 or INTERACTIVE UNIX System V/386 Release 3.2)	Any Host with the same OS	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11220)	SGI PowerSeries 4D/310S (under IRIX Sys V 3.3.2)	Mercury MC860VS (under MC/OS, Version 2.0)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11038)	Apple Macintosh II (under System 6.0.3)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911002W1.11221)	Sun-4/110 (under SunOS, Version 4.1)	Mercury MC860 VM (under MC/OS, Version 2.0)
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11038)	Apple Macintosh SE 30 (under System 6.0.3)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #911002W1.11221)	Sun Microsystems Sun-4/110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation 2, IPC & IPX (under SunOS Versions 4.1 & 4.1.1) and SPARCEngine 1E (under SunOS Version 4.1e)	Mercury MCB60VB & MCB60VM (under MC/OS, Version 2.0) and Mercury MCB60VS (under MC/OS, Version 2.0)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11060)	Apple Macintosh II (under A/UX 2.0)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#911216W1.11232)	Sequoia Series 400 (under Topix, Version 6.5)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11061)	Stardent Titan P3 (under Stardent/Unix 3.0)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11266)	Intergraph Interpro 2400 (under CLX System 5, Release 3.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11062)	MicroVAX 3100 (under Ultrix 3.1)	Same as Host	*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (BASE #920915W1.11266)	InterGraph InterPro Series C300- & C400-based models (under CLX System 5 Release 3.1)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11063)	MicroVAX II (under VMS 5.2)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11267)	Essence 836 (under DOS 5.0, running Microsoft Windows 3.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.1 (#911002W1.11218)	IBM PS/2 Model 80 (with Floating Point Co-Processor) (under IBM PC-DOS 3.30/OS386)	Same as Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11268)	BBN TC2000 (under nX 3.0.1)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1.4 (BASE #911002W1.11218)	Any Computer System Comprising: cpu: any that executes the Intel 80386 or 80486 instruction set; fpu: Intel 80387 or equivalent, as appropriate; memory: 1.5 MByte RAM; disk: 20 MByte hard drive (under IBM PC-DOS 3.30/OS386)	Any Host	Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#920915W1.11269)	BBN TC2000 (under nX 3.0.1)	BBN TC2000 (under pSOS+/B8k)
			Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#921202W1.11301)	HP 9000/827 (under HP-UX 8.02)	Same as Host

# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11313)	Motorola VME 167-68040 (under OS/9 68K, v2.4)	Same as Host	*Validated by Registration NEC Corporation NEC Ada Compiler System, Version R4.1 (4.6.4) (BASE #910918S1.11216)	UP4800 Series models 520, 605, 620, 625, 630, & 635 (under UP-UX/V R4.1) EWS4800 Superstation RISC Series (all EWS RISC models, only) (under EWS-UX/V(R4.0) R6.2 & EWS-UX/V(R4.2) R7.1, as supported)	Any Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1.3 (#930401W1.11314)	Essence 486 (under MS-DOS 5.0)	ADSP-21020 (bare machine)	NEC Corporation NEC Ada Compiler System for EWS-UX/V to V70/RX-UX832, Version 1.0 (#910918S1.11217)	NEC EWS4800/60 (under EWS-UX/V R8.1)	NEC MV4000 (under RX-UX832 V1.6)
MIPS Computer Systems MIPS ASAPP 3.0 (#900619W1.11010)	MIPS M/2000 (under RISC/os 4.50)	R3200-6 CPU board (bare machine)	*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832, Version 1.0 (BASE #910918S1.11217)	All RISC (MIPS R3000- & R4000-based) models of the EWS4800 series (under EWS-UX/V (4.0) R2.1)	NEC MV4000 (under RX-UX832 V1.6)
MIPS Computer Systems MIPS Ada 3.0 (#900619W1.11011)	MIPS M/2000 (under RISC/os 4.50)	Same as Host	*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832 version R4.1 (V4.6.4) (BASE #910918S1.11217)		
*Validated by Registration Multiprocessor Toolsmith Inc. CASEWorks/RT Ada v1.1 for Sun SPARCStation (BASE #930722W1.11318)	Sun Microsystems SPARCstation series (under SunOS 4.11, 4.1.2, & 4.1.3)	Any Host	*Validated by Registration NEC Corporation NEC Ada Compiler System for EWS-UX/V (Rel 4.0) to V70/RX-UX832 version R4.1 (V4.6.4) (BASE #910918S1.11217)	EWS4800 Superstation RISC Series (under EWS-UX/V (R4.0) R6.2)	NEC MV4000 (under RX-UX832 V1.63)
*Validated by Registration Multiprocessor Toolsmith Inc. CASEWorks/RT Ada v1.1 for Sun SPARCStation (BASE #930722W1.11319)	Sun Microsystems SPARCstation series (under SunOS 4.11, 4.1.2, & 4.1.3)	Any MC68020-, MC68030-, & MC68040-based single-board computer (bare machines, using Unison 3.1)	North China Institute of Computing Technology C_Ada, Version 1.0 (#910902N1.11198)	MicroVAX II (under ULTRIX 3.0)	Same as Host
Multiprocessor Toolsmith Inc. CASEWorks/RT Ada for the Sun SPARCStation, 1.1 (#930722W1.11318)	Sun SPARCstation 10 (under SunOS 4.1.3)	Same as Host	Proprietary Software Systems, Inc. PSS VAX/ZR34325 Compiler Version XB-01.000 (#920423I1.11250)	VAX 8350 (under VMS Version 5.4)	PSS Zoran ZR34325 Digital Signal Processor AdaRAID Version XK-01.000 (bare machine simulation, executing on the Host)
Multiprocessor Toolsmith Inc. CASEWorks/RT Ada MC680x0, Version 1.1 (#930722W1.11319)	Sun SPARCstation 10 (under SunOS 4.1.3)	Motorola MVME147 (bare machine)	R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (#901120W1.11088)	IBM PS/2 Model 80 (under Phar Lap/DOS 3.3)	IBM PS/2 Model 80 (under MS DOS 3.3)
Multiprocessor Toolsmith Inc. CASEWorks/RT Ada i860, Version 1.1 (#930722W1.11320)	Sun SPARCstation 2 (under SunOS 4.1.1)	CSPI Supercard II (Intel 80860) with VS8 daughterboard (bare machine)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 Phar Lap/DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under Phar Lap/DOS 3.3)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 40 MByte hard drive (under MS DOS 3.3)
*Validated by Registration Multiprocessor Toolsmith Inc. CASEWorks/RT Ada v1.1 for i860 (BASE #930722W1.11320)	Sun Microsystems SPARCstation series (under SunOS 4.11, 4.1.2, & 4.1.3)	CSPI Supercard 2 with VS8 daughterboard, CSPI Supercard 3 with VS8 daughterboard, CSPI Supercard 3XL with VS8 daughterboard, & CSPI Supercard 4 with VS8 daughterboard (bare machines, using Unison/pSOS+ 3.1)	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.1 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes Intel 8086/8088 instructions; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS DOS 3.3)	Same as Host
NEC Corporation NEC Ada Compiler System for EWS-UX/V (Release 4.0), Version Release 2.1 (4.6) (#910918S1.11216)	NEC EWS4800/220 (under EWS-UX/V (Release 4.0) R2.1)	Same as Host	*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 8086/8088 instruction set; fpu: optional; memory: 640 KByte RAM; disk: 20 MByte hard drive (under MS-DOS 3.3)	Any Host



# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 386 to DOS (BASE #901120W1.11088)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 2 MByte RAM; disk: 40 MByte hard drive (under Phar Lap / MS-DOS 3.3)	Any Host (under MS-DOS 3.3)	*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP2 (bare machine)
R.R. Software, Inc. Janus/Ada 2.2.0 Unix (#901129W1.11089)	Northgate 386/25 (under SCO Unix 3.2)	Same as Host	*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler System, Version 6.3 (BASE #910306W1.11130)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, VAX 9000, & VAX 10000 series of computers (under VMS 5.5-2)	CAPS/AAMP2 & CAPS/AAMP3 (bare machines)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.0 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: Intel 80386, fpu: optional, memory: 4 MByte RAM, disk: 60 MByte hard drive (under SCO Unix 3.2)	Same as Host	SD-Scicon UK Ltd XD Ada MC68020, Version 1.2 (#901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS Version 5.3)	Motorola MVME133XT board (MC68020) (bare machine)
*Validated by Registration R.R. Software, Inc. Janus/Ada 2.2.2 UNIX (BASE #901129W1.11089)	Any Computer System Comprising: cpu: any that executes the Intel 80386 instruction set; fpu: optional; memory: 4 MByte RAM; disk: 40 MByte hard drive (under SCO Unix 3.2)	Any Host	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Motorola MVME135-1 board (MC68020) and Motorola MVME147S-1 board (MC68030) (bare machines)
Rational M68020/OS-2000 Cross-Development Facility, Version 7 (#901116W1.11081)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Phillips PG2100 (OS-2000 Release 2.0)	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME133XT board (MC68020) (bare machine)
Rational M68020/Unix Cross-Development Facility, Version 7 (#901116W1.11082)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	HP 9000 Model 370MH (under HP-UX Version 7.0)	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020 MVME135 & MVME147, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 (MC68020) & MVME147S-1 (MC68030) boards (bare machines)
Rational M68020/Bare Cross-Development Facility, Version 7 (#901116W1.11083)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Motorola MVME135 (68020) (bare machine)	*Validated by Registration SD-Scicon UK Ltd XD Ada MC68020/EFA, Version 1.2A (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME135-1 board (MC68020) (bare machine)
Rational Rational Environment, D_12_24_0 (#901116W1.11084)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Same as Host	*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68340EVS Evaluation System CPU32 (bare machine)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11129)	VAX 8650 (under VMS, Version 5.3-1)	CAPS/AAMP1 (bare machine)	*Validated by Registration SD-Scicon UK Ltd XD Ada CPU32/MC68332 Version 1.2 (BASE #901007N1.11042)	VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.4)	Motorola M68332EVS Evaluation System CPU32 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #910306W1.11129)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.3-1 & 5.4)	CAPS/AAMP1 (bare machine)	SD-Scicon UK Ltd XD Ada MIL-STD-1750A, Version 1.2 (#901214N1.11080)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.3)	Fairchild F9450 on a SBC-50 board (MIL-STD-1750A) (bare machine)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#910306W1.11130)	VAXstation 3100 Model 30 (under VMS 5.4)	CAPS/AAMP2 (bare machine)	SD-Scicon UK Ltd XD Ada MC68000, Version 1.2 (#910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)

# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68000/EFA, Version 1.2 (BASE #910314N1.11134)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MC68000 on an MVME117-3FP board (bare machine)	*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #920325I1.11249)	Siemens Nixdorf PC (under SINX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68020/ARTX, Version T1.2 (#910911N1.11199)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME1475-1 (MC68030) (bare machine)	Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (#920922I1.11276)	Siemens Nixdorf RM600 (under SINX Version V5.41)	Same as Host
SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (#911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2) & MicroVAX II machines) (under VMS 5.4)	Motorola MVME165 (MC68040) (bare machine)	*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #920922I1.11276)	Siemens Nixdorf RM400 (under SINX Version V5.41)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040/FORCE CPU-40, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	FORCE CPU-40 (MC68040) (bare machine)	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11014)	Iris-4D/380 (under IRIX Release 4D-3.3)	Same as Host
*Validated by Registration SD-Scicon UK Ltd XD Ada MC68040, Version 1.2 (BASE #911128N1.11230)	Local Area VAX Cluster (comprising VAXserver 3600, MicroVAX 2000 (2), & MicroVAX II machines) (under VMS 5.5)	Motorola MVME167 (68040) (bare machine)	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11015)	Iris-4D/220S (under IRIX Release 4D-3.3)	Same as Host
Siemens Nixdorf Informations- systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (#901119I1.11111)	SIEMENS NIXDORF 7.590G (under BS2000 V9.5)	Same as Host	Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11016)	Iris-4D/25 (under IRIX Release 4D-3.3)	Same as Host
*Validated by Registration Siemens Nixdorf Informations- systeme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (BASE #901119I1.11111)	SIEMENS NIXDORF 7.530, 7.536, 7.541, 7.550, 7.551, 7.560, 7.561, 7.570, 7.571, 7.580 & 7.590; 7.500-C30, -C40, -H60, -H90 & -H120 (under BS2000 V9.5 & V10.0)	Same as Host	Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11203)	SGI Indigo (under Irix V4.0)	Same as Host
Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (#910711W1.11181)	Siemens Nixdorf WX200 (SINX-ODT) (under SINX-ODT V1.0)	Same as Host	*Validated by Registration Siemens Nixdorf, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (BASE #910920W1.11203)	IRIS Indigo, Personal IRIS 4D, IRIS 4D series of computers (under Irix V4.0)	Any Host
*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #910711W1.11181)	Siemens Nixdorf WX200 (SINX-ODT) (under SINX-ODT V1.5)	Same as Host	Silicon Graphics, Inc. VADS SGI-Irix, SC4-ADA-4.0, Version 6.1 (#910920W1.11204)	SGI 4D/440 (under Irix V3.3)	Same as Host
Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (#920325I1.11249)	Siemens Nixdorf MX300i (under SINX Version V5.41)	Same as Host	SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11183)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	SKYbolt 8116-V (under SKYbolt kernel version 2.33)
*Validated by Registration Siemens Nixdorf Informations- systeme AG Ada (SINX) V4.1 (BASE #920325I1.11249)	Siemens Nixdorf WX200 & MX500i (under SINX Version 5.41)	Each Host, self targeted	SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11185)	SPARCstation 1 (under SunOS release 4.1)	SKYstation 8117-P (under SKYstation kernel version 2.33)
			SKY Computers, Inc. Meridian Ada, Version 4.1 (#910711W1.11189)	SGI Personal Iris W-4D25 (under Irix System V 3.3)	Same as Host
			Stratus Computer, Inc. Stratus Ada, Version 6.1 (#921015W1.11294)	Stratus XA/R20 (under FTX 2.0.1)	Same as Host



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.0-4-4-21, Version 1.0 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 releases 4.1 & 4.1.2, as supported)	Any Host	*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.2 (BASE #90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Version 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families; SPARCserver 600MP Series; & 4600MP-64 (under SunOS Version 4.2 release 4.1.2)	Any Host	Tartan, Inc. Tartan Ada VMS/960MC, Version 4.0 (#90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
*Validated by Registration Sun Microsystems Sun Microsystems Sun Ada, SunOS, ADE-1.1-4-4-21, Versions 1.0 & 1.1 (BASE #900510W1.11006)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1.3)	Any Host	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board, & Intel ICE960/25 on an Intel EXV80960MC board (bare machines)
Tartan, Inc. Tartan Ada VMS/C30, Version 4.0 (#90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.1 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC, Version 4.2.2 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30, Version 4.1.1 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board, NAVY SEM-D Key Code ADSP (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/SVMRT, Version 4.3 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C30/IPS, Version 4.1.2 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/960MC/PMRT, Version 4.3 (BASE #90121211.11120)	VAXstation 3100 (under VMS 5.5)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-DXV board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/C3X Version 4.3 (BASE #90121011.11121)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Eff TMS320C31 board (bare machines)	Tartan, Inc. Tartan Ada Sun/C30 Version 4.0 (#90121211.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada Sun/960MC, Version 4.0 (#90121011.11122)	Sun 3/60 (under SunOS Version 4.0.3)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada Sun/C30, Version 4.1.1 (BASE #90121211.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada Sun/Sun, Version 4.0 (#90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host	Tartan, Inc. Tartan Ada VMS/1750A, Version 4.0 (#90121311.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada Sun/Sun, Version 4.1 (BASE #90121111.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host			

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.1 (BASE #90121311.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)	Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2 (#92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/1750A, Version 4.3 (BASE #90121311.11119)	VAXstation 3100 (under VMS 5.5)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC 960mc, Version 4.2.2 (BASE #92031311.11247)	SPARCstation ELC (under SunOS Version 4.1.1)	Intel EXV80960MC board (bare machine)
Tartan, Inc. Tartan Ada VMS/680XD, Version 4.1 (#91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada RS6000/960mc, Version 4.2.2 (BASE #92031311.11247)	IBM RISC System/6000 Model 320H (under AIX Version 3.2)	Intel EXV80960MC board (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680XD, Version 4.1.1 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020), MVME143 (MC68030), & MVME165 (MC68040) (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/SVMRT , Version 4.3 (BASE #92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, & Intel EXV80960MC board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680XD/IPS, Version 4.1.2 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.2)	Motorola MVME134 (MC68020) (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/960MC/PMRT, Version 4.3 (BASE #92031311.11247)	SPARCstation ELC (under SunOS version 4.1.1)	Cyclone CVME962 board, Intel EXV80960MC board, & PI-960MX-DXV board (bare machines)
*Validated by Registration Tartan, Inc. Tartan Ada VMS/680XX Version 4.3 (BASE #91061311.11171)	VAXstation 3100 (under VMS 5.5)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)	Tartan, Inc. Tartan Ada VMS/C40 v4.2.1 (#92103011.11296)	VAXstation 4000 Model 60 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Processing Development System (bare machine)
Tartan, Inc. Tartan Ada SPARC C30, Version 4.2 (#92031311.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board (bare machine)	*Validated by Registration Tartan, Inc. Tartan Ada SPARC/C40, Version 4.3 (BASE #92103011.11296)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C40 Parallel Development System (bare machine)
*Validated by Registration Tartan, Inc. Tartan Ada SPARC C3X, Version 4.3 (BASE #92031311.11244)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments TMS320C30 Application Board, & Atlanta Signal Processors Elf TMS320C31 board (bare machines)	*Validated by Registration Tartan, Inc. Tartan Ada VMS/C40, Version 4.3 (BASE #92103011.11296)	VAXstation 3100 (under VMS 5.5)	Texas Instruments TMS320C40 Parallel Development System (bare machine)
Tartan, Inc. Tartan Ada SPARC 1750a, Version 4.2 (#92031311.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Fairchild F9450 on an SBC-50 board (MIL-STD-1750A) (bare machine)	TeleSoft TeleGen2 Sun-3 Ada Development System, Version 4.01 (#90052511.11012)	Sun-3/280 (under Sun UNIX 4.2, Release 4.0.3)	Same as Host
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/1750A, Version 4.3 (BASE #92031311.11245)	SPARCstation ELC (under SunOS version 4.1.1)	Texas Instruments STL VHSIC 1750A, & Fairchild F9450 on an SBC-50 (MIL-STD-1750A) (bare machines)	TeleSoft TeleGen2 Ada Host Development System, Version 4.1, for SPARCSystems (#901128W1.11090)	Sun-4/280 (under Sun UNIX 4.2, Release 4.1)	Same as Host
Tartan, Inc. Tartan Ada SPARC 680XD, Version 4.2 (#92031311.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (MC68020) (bare machine)			
*Validated by Registration Tartan, Inc. Tartan Ada SPARC/680XX Version 4.3 (BASE #92031311.11246)	SPARCstation ELC (under SunOS version 4.1.1)	Motorola MVME134 (68020), MVME143 (68030), MVME165 (68040), MC68332 (CPU32), & MC68340 (CPU32) (bare machines)			



# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration TeleSoft TeleGen2Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.2, release 4.1)	Any Host	*Validated by Registration TeleSoft TeleGen2Ada Cross Development System, Version 3.1 (BASE #910325I1.11139)	VAX 4000-300 (under VMS 5.4-3)	Intel iSBC 486/133SEboard (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2Ada Host Development System for SPARCSystems, Version 4.1 (BASE #901128W1.11090)	Solbourne Series 5 & 5E; and S4000 (under OS/MP 4.1)	Any Host	TeleSoft TeleGen2Ada Cross Development System, Version 3.1 for SPARC to 68K (#910325I1.11140)	Sun-4/60 (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine, using TeleAda-EXEC 1.0)
*Validated by Registration TeleSoft TeleGen2Ada Host Development System for SPARCSystems, Version 4.1.1 (BASE #901128W1.11090)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.1)	Any Host	*Validated by Registration TeleSoft TeleGen2Ada Cross Development System for SPARC to 68K, Version 4.1 (BASE #910325I1.11140)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Motorola MVME133*, MVME135*, MVME136* (68020); MVME141* & MVME147* (68030); and MVME165* & MVME167* (68040) board families (bare machines, optionally using TeleAda_Exec2.0)
TeleSoft TeleGen2Ada Cross Development System, Version 4.1, for VAX/VMS to 68K (#910121I1.11124)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Motorola MVME133A-20 (MC68020) (bare machine)	TeleSoft TeleGen2Ada Host Development System, Version 4.1, for MacII Systems (#910721I1.11194)	Apple Macintosh IIcx (under A/UX 2.0)	Same as Host
*Validated by Registration TeleSoft TeleGen2Ada Cross Development System for VAX to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME133*, MVME135*, MVME136* (MC68020); MVME141* & MVME147* (MC68030); and Force CPU-30, CPU-31, CPU-32 & CPU-37 (bare machines)	*Validated by Registration TeleSoft TeleGen2Ada Host Development System for MacII Systems, Version 4.1 (BASE #910721I1.11194)	Apple Macintosh II family, & SE/30 (under A/UX Release 2.0)	Any Host
*Validated by Registration TeleSoft TeleSoft TRIAD System for VAX/VMS to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4, as supported)	Motorola board series MVME147* (MC68030) (bare machines, using TeleAda-Exec)	TeleSoft TeleGen2Ada Development System for VAX to 1750A, Version 3.25 (#911028I1.11229)	MicroVAX 3800 (under VMS Version 5.4)	MIL-STD-1750AECSP0 ITS RAID Simulator, Version 6.0 (bare machine simulation, executing on the Host)
*Validated by Registration TeleSoft TeleGen2Ada Cross Development System for VAX/VMS to 68K, Version 4.1 (BASE #910121I1.11124)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported) (under VMS Versions 5.0, 5.1, 5.2, 5.3 & 5.4)	Motorola MVME165* & MVME167* (68040) board families (bare machines)	TeleSoft TeleGen2Ada Compilation System for VAX to 80960, Version 4.1 (#911213I1.11235)	MicroVAX 3800 (under VMS Version 5.4)	Intel EXV 960 MC-MIL (i960 XA) (bare machine, using Hughes O.S. Ada RTS interface)
TeleSoft TeleGen2Ada Cross Development System, Version 4.1, for VAX/VMS to MIPS (#910123I1.11125)	MicroVAX 3800 (under VAX/VMS Version 5.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)	TeleSoft TeleGen2Ada Cross Development System Version 4.1.1 for SUN-4 to eMIPS (#921029I1.11295)	Sun-4/690 (under SunOS Release 4.1.2)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
TeleSoft TeleGen2Ada Cross Development System, Version 4.1, for SUN-3 to 68K (#910125I1.11126)	Sun-3/480 (under Sun UNIX, Release 4.1)	Motorola MVME135-1 (MC68020) (bare machine)	TeleSoft TeleGen2 (tm) Ada Cross Development System for Sun-4 to e68k, Version 4.1c (#921218I1.11304)	Sun-4/690 (under SunOS Release 4.1.2)	CVME962 System (i960XA board with MC Processor) (bare machine)
TeleSoft TeleGen2Ada Cross Development System, Version 3.1 for VAX/VMS to 386 (#910325I1.11139)	VAX 6210 (under VMS 5.3)	Intel iSBC 386-120 (80386/387) (bare machine, using TeleAda-EXEC 1.0)	Texas Instruments MIPS-Ada, Version 3.0 (#901030W1.11052)	MIPS M/2000 (under RISC/os 4.02)	TI DP32 R3000 Processor (bare machine, using TI DP32 RTE Version 1.0)



## Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Texas Instruments TI Ada, Version 1.0 (#910403W1.11135)	MicroVAX 3400 (under VMS 5.3-1)	TI DP32 R3000 Processor (bare machine, using TI Executive and Runtime Services (EARS) Version 1.0)	U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.0 (#910425W1.11142)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11237)	Sun-4/75 (under SunOS, Version 4.1.1)	Rockwell International RI-1750A8 Brassboard Development System (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)	*Validated by Registration U.S. Air Force AFCAS 1750A Ada Compiler, Version 1.1 (BASE #910425W1.11142)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD MV/MV Ada Compiler System, Version 2.9.0 (#920319W1.11238)	Data General MV/32 20000-2 (under AOS/VS II, Version 2.03)	Same as Host	U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.0 (#910425W1.11143)	VAXstation 3100 (under VMS Version 5.3)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11239)	Sun-4/75 (under SunOS, Version 4.1.1)	Honeywell Program Development Unit (PDU) with Honeywell Generic VHSIC Spaceborne Computer (GVSC) MIL-STD-1750A (bare machine, using TLDrtx Real Time Executive, Version 1.0.0)	*Validated by Registration U.S. Air Force AFCAS 1750A/XMEM Ada Compiler, Version 1.1 (BASE #910425W1.11143)	DEC VAXstation 3100 (under VMS Version 5.4)	Air Force RAID MIL-STD-1750A simulator (bare machine simulation, executing on the Host)
TLD Systems, Ltd. TLD Sun-4/MIL-STD-175 0A Ada Compiler System, Version 2.9.0 (#920319W1.11240)	Sun-4/75 (under SunOS, Version 4.1.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY AdaVAX, Version 5.0 (/OPTIMIZE) (#910517S1.11162)	VAX 8600 (under VMS Version 5.3)	Same as Host
TLD Systems, Ltd. TLD RISC6000/MIL-STD- 1750A Ada Compiler System, Version 2.9.0 (#920319W1.11241)	IBM RISC System 6000, Model 530 (under AIX, Version 3.1)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11163)	VAX 8600 (under VMS Version 5.3)	Same as Host
*Validated by Registration TLD Systems, Ltd. TLD RISC6000/MIL-STD- 1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11241)	IBM RISC System 6000 series (under AIX, Version 3.1)	IBM User Console with IBM Generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)	U.S. NAVY AdaVAX, Version 5.0 (/NO_OPTIMIZE) (#910517S1.11165)	VAX-11/785 (under VMS Version 5.3)	Same as Host
TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (#920319W1.11242)	MicroVAX 3500 (under VMS, Version 5.1)	TLD MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11172)	VAX 8550 (under VMS Version 5.3)	AN/UYYK-43 (single cpu) (bare machine)
*Validated by Registration TLD Systems, Ltd. TLD VAX/MIL-STD-1750A Ada Compiler System, Version 2.9.0 (BASE #920319W1.11242)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 4000, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.4)	IBM User Console with IBM Generic VHSIC Spaceborne Computer (bare machine, using TLDrtx Real Time Execution, Version 1.0.0)	U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11174)	VAX 8550 (under VMS Version 5.3)	AN/UYYK-43 (EMR) (bare machine)
TLD Systems, Ltd. TLD HP 9000/MIL-STD-1750 A Ada Compiler System, Version 2.9.0 (#920319W1.11243)	HP 9000/350 (under HP-UX, Version 7.0)	TLDmps MIL-STD-1750A Multiple Processor Simulator (bare machine simulation, using TLDrtx Real Time Executive, Version 1.0.0, and executing on the Host)	U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11176)	VAX-11/785 (under VMS Version 5.3)	AN/UYYK-43 (single cpu) (bare machine)
TLD Systems, Ltd. TLD Comanche VAX/MIL-STD-1750A Ada Compiler System, Version 3.4.C (#931012W1.11329)	VAXstation 4000 Model 60 (under VMS 5.5)	TLD MIL-STD-1750A Multiple Processor Simulator (TLDmps), executing on the Host (bare machine simulation, using TLD Real Time Executive (TLDrtx), 3.4.C)	U.S. NAVY Ada/L, Version 4.0 (/OPTIMIZE) (#910626S1.11177)	VAX-11/785 (under VMS Version 5.3)	AN/UYYK-43 (EMR) (bare machine)
			U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11178)	VAX-11/785 (under VMS Version 5.3)	AN/UYYK-44 (EMR) (bare machine)

# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
U.S. NAVY Ada/M, Version 4.0 (/OPTIMIZE) (#910626S1.11179)	VAX-11/785 (under VMS Version 5.3)	AN/AYK-14 (bare machine)	*Validated by Registration Verdix Corporation VADS DEC-RISC, Ulrix 4.0, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Any Host
U.S. NAVY AdaVAX, Version 5.5 (/OPTIMIZE) (#920918S1.11270)	VAXstation 4000 (under VMS Version 5.5)	Same as Host			
U.S. NAVY AdaVAX, Version 5.5 (/NO_OPTIMIZE) (#920918S1.11271)	VAXstation 4000 (under VMS Version 5.5)	Same as Host	*Validated by Registration Verdix Corporation VADS DEC-RISC, Ulrix 4.1, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.1)	Any Host
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11272)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)			
U.S. NAVY Ada/M, Version 4.5 (/OPTIMIZE) (#920918S1.11273)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)	*Validated by Registration Verdix Corporation VADS DEC-RISC, Ulrix 4.2, VAda-110-6161, Version 6.0 (BASE #900228W1.11001)	DECstation 2100, 3100, 5000 & 5200; DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under Ulrix 4.2)	Any Host
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11274)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	Enhanced Processor (EP) AN/UYK-44 (bare machine)			
U.S. NAVY Ada/M, Version 4.5 (/NO_OPTIMIZE) (#920918S1.11275)	VAX Cluster (comprising VAX 8550, 8600, & 8650 machines) (under VMS Version 5.3)	VHSIC Processor Module (VPM) AN/AYK-14 (bare machine)	*Validated by Registration Verdix Corporation VADS DEC-RISC, VAda-110-6161, Versions 6.0, 6.1, & 6.2 (BASE #900228W1.11001)	Digital Equipment Corp. DECstation & DECsystem series of MIPS-based computers (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Any Host
UNISYS Corporation UCS Ada, Version 1R1 (#910510S1.11161)	UNISYS 2200/600 (under OS1100, Version 43R2)	Same as Host	Verdix Corporation VAda-110-0202, Version 6.0 (#900228W1.11002)	VAXsystem 3100 (under ULTRIX 3.1)	Same as Host
*Validated by Registration UNISYS Corporation UCS Ada, Version 1R1 (BASE #910510S1.11161)	UNISYS 1100/90, 2200/100, /200, /400, /600, & /900 (under OS 1100, Versions 43R2 & 43R3, as supported)	Any Host	*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, VAX 6000, VAX 8000 & VAX 9000 series (under ULTRIX 4.0)	Any Host
*Validated by Registration Verdix VADSworx Sun4 => 68K, VAda-115-40800, Version 2.0 (BASE #920513W1.11256)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVM-144; Force CPU-40 Series; Motorola MVME162, MVME165, MVME167, & MVME167A; PEP Modular Computer VM40; and Tadpole TP41V (bare machine, using vxWorks 5.0)	*Validated by Registration Verdix Corporation VAda-110-0202, Version 6.0 (BASE #900228W1.11002)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under ULTRIX 4.2)	Any Host
*Validated by Registration Verdix VADSworx Sun4 => SPARC, VAda-115-40850, Version 2.0 (BASE #920513W1.11257)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Sun SPARCengine 1e (bare machine, using vxWorks 5.0)	Verdix Corporation VADS Sun3 SunOS, VAda-110-1313, Version 6.0 (#900510W1.11003)	Sun 3/280 (under SunOS 4.0)	Same as Host
Verdix Corporation VAda-110-6161, Version 6.0.2 (#900228W1.11001)	DECstation 3100 (under ULTRIX 3.1)	Same as Host	*Validated by Registration Verdix Corporation VADS Sun-3 Sun OS, VAda-110-1313, Version 6.0 (BASE #900510W1.11003)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.0 & 4.1)	Any Host machine (under some OS version)
*Validated by Registration Verdix Corporation VAda-110-6161, Version 6.0.2 (BASE #900228W1.11001)	DECstation 2100, 5000; DECsystem 5400, 5810, 5820, 5830, 5840 (under ULTRIX 3.1)	Any Host	Verdix Corporation VADS IBM PS/2 ADX => Intel 80386, VAda-110-35315, Version 6.0 (#900510W1.11004)	IBM PS/2 Model 80 (under ADX 1.1)	Intel iSBC 386/12 (bare machine)



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS IBM PS/2 ADX => 68K, VAdA-110-35125, Version 6.0 (#900510W1.11005)	IBM PS/2 Model 80 (under ADX 1.1)	Motorola MVME133A-20 (MC68020)(bare machine)	Verdix Corporation VADS HP 9000/300,HP-UX 7.0, VAdA-110-1515, Version 6.0 (#900726W1.11018)	HP 9000/350(under HP-UX 7.0)	Same as Host 7.0)
Verdix Corporation VADS Sun-4 SunOS, VAdA-110-4040, Version 6.0 (#900510W1.11006)	Sun 4/280 (under SunOS 4.0)	Same as Host	*Validated by Registration Verdix Corporation VADS HP 9000/300, HP-UX 7.0, VAdA-110-1515, Version 6.0 (BASE #900726W1.11018)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Any Host
*Validated by Registration Verdix Corporation VAdA-110-4040, Version 6.0 (BASE #900510W1.11006)	Sun-4/20,/65,/110,/150 & /260; SPARCserver 310, 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 310, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Any Host	Verdix Corporation VADS Prime EXL/320, UNIX System V/386 3.2, VAdA-110-3232, Version 6.0 (#900726W1.11019)	Prime EXL/320 (under UNIX System V/386 3.2)	Same as Host
Verdix Corporation VADS Sun3 SunOS => 68K, VAdA-110-13125, Version 6.0 (#900510W1.11007)	Sun 3/280 (under SunOS 4.0) (bare machine)	Motorola MVME147 (MC68030)	Verdix Corporation VADS VAX/VMS 5.2, VAdA-110-0303, Version 6.0 (#900726W1.11020)	MicroVAX 3100 (under VAX/VMS V5.2)	Same as Host
*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 68K, VAdA-110-13125, Version 6.0 (BASE #900510W1.11007)	Sun-3/50,/60,/80,/150, /160,/260,/280,/470 & /480 (under SunOS 4.0 & 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-110, MVME-165 & MVME-167; Tadpole TP32V & TP33M (bare machines)	*Validated by Registration Verdix Corporation VADS VAX/VMS 5.3, VAdA-110-0303, Version 6.0 (BASE #900726W1.11020)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Any Host
			*Validated by Registration Verdix Corporation VADS VAX/VMS 5.2, VAdA-110-0303, Versions 6.0 & 6.2 (BASE #900726W1.11020)	DEC VAX-11, MicroVAX, VAXserver, VAXstation, and VAX 6000, 8000, & 9000 series of computers (under VMS 5.0, 5.2, & 5.3)	Any Host
Verdix Corporation VADS IBM RISC System/6000,ADX 3.1, VAdA-110-7171,Version 6.0 (#900726W1.11017)	IBM RISC System/6000 Model 530 (under ADX 3.1)	Same as Host	Verdix Corporation VADS VAX/VMS => 68k, VMS 5.2, VAdA-110-03125, Version 6.0 (#900726W1.11021)	MicroVAX 3100 (under VAX/VMS V5.2)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000,ADX 3.1, VAdA-110-7171,Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under ADX 3.1)	Any Host	*Validated by Registration Verdix Corporation VADS VAX/VMS => 68K, VMS 5.2, VAdA-110-03125, Version 6.0 (BASE #900726W1.11021)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.2)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134, MVME135 & MVME136 (MC68020), MVME-165 & MVME167; Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000,ADX 3.1, VAdA-110-7171, Version 6.0 (BASE #900726W1.11017)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under ADX 3.2)	Any Host			
*Validated by Registration Verdix Corporation VADS IBM RISC System /6000, VAdA-110-7171, Versions 6.0, 6.1, & 6.2 (BASE #900726W1.11017)	IBM RISC System/6000 series of computers (under ADX 3.1 & 3.2)	Any Host	Verdix Corporation VADS VAX/VMS => Intel 386, VMS 5.2, VAdA-110-03315, Version 6.0 (#900726W1.11022)	MicroVAX 3100 (under VAX/VMS V5.2)	Intel iSBC 386/32 (bare machine)



# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdex Corporation VADS VAX/VMS => Intel 386, VMS 5.3, VAda-110-03315, Version 6.0 (BASE #900726W1.11022)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel i58C 386/32 (bare machine)	*Validated by Registration Verdex Corporation VADS DEC-RISC => 68K, Ultrix 3.1, VAda-110-61125, Versions 6.0, 6.1, 6.2 (BASE #900726W1.11024)	Digital Equipment Corp. DECstation & DECsystem series of MIPS-based computers (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MD-CPU320, & MD-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machines)
Verdex Corporation VADS VAX/Ultrix => 68K, Ultrix 3.1, VAda-110-02125, Version 6.0 (#900726W1.11023)	MicroVAX 3100 (under Ultrix 3.1)	Tektronix MV System, MV 68020 Support System, using TekD8 Version 5.0.2 emulation software (bare machine simulation)	Verdex Corporation VADS IBM RISC System/6000 => 68K, AIX 3.1, VAda-110-71125, Version 6.0 (#900726W1.11025)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Motorola MVME147 (MC68030) (bare machine)
*Validated by Registration Verdex Corporation VADS VAX/ULTRIX => 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under Ultrix 3.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series & MVME141 (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines); Tektronix MV System, MV 68020 Support System using TekD8 Version 5.0.2 emulation software (bare machine simulation)	*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 68K, AIX 3.1, VAda-110-71125, Version 6.0 (BASE #900726W1.11025)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under AIX 3.1)	Cyclone CVME 44, CVME 46 & CVME48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME133 Series, MVME134, MVME135 & MVME147 Series; and Tadpole TP32V & TP33M (bare machines)
*Validated by Registration Verdex Corporation VADS VAX/ULTRIX => 68K, ULTRIX 3.1, VAda-110-02125, Version 6.0 (BASE #900726W1.11023)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under Ultrix 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; Tadpole TP32V; and Tektronix MV System, MV 68020 Support System using TekD8 Version 5.0.2 emulation software (bare machine simulation) (bare machines)	*Validated by Registration Verdex Corporation VADS VAX/VMS => 68K, VAda-110-03125, Versions 6.0 & 6.2 (BASE #900726W1.11025)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, VAX 9000 Series of computers (under VMS 5.0, 5.2, & 5.3)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machine)
Verdex Corporation VADS DEC-RISC => 68K, Ultrix 3.1, VAda-110-61125, Version 6.0 (#900726W1.11024)	DECstation 3100 (under Ultrix 3.1)	Motorola MVME147 (MC68030) (bare machine)	*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 68K, VAda-110-71125, Versions 6.0, 6.1, & 6.2 (BASE #900726W1.11025)	IBM RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series HK68/V30 Series, & HK68/V3E Series Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; S8E VCOM-24; and Tadpole TP32V (bare machine)
*Validated by Registration Verdex Corporation VADS DEC-RISC => 68K, Ultrix 4.0, VAda-110-61125, Version 6.0 (BASE #900726W1.11024)	DECstation 2100, 3100, 5000 & 5200; and DECsystem 3100, 5000, 5100, 5200, 5400, 5500, 5810, 5820, 5830 & 5840 (under ULTRIX 4.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator S8C; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134, MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)	Verdex Corporation VADS IBM RISC System/6000 => 386, AIX 3.1, VAda-110-71315, Version 6.0 (#900726W1.11026)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Intel i58C 386/116 (bare machine)

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 386, ADX 3.1, VAdA-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 320, 520, 540, 730 & 930 (under ADX 3.1)	Intel iSBC 386/116 (bare machine)	*Validated by Registration Verdex Corporation VADS UNIX System V/386/486, VAdA-110-3232, Versions 6.0, 6.1, & 6.2 (BASE #901129W1.11095)	Any computer that executes the Intel 80386 or 80486 instruction set (under NCR UNIX System V Release 4.0, UNIX System V/486 Release 4.0, 486 Sunsoft Interactive UNIX Release 4.0, 486 Interactive UNIX Release 3.01R3.2)	Same as Host
*Validated by Registration Verdex Corporation VADS IBM RISC System/6000 => 386, ADX 3.1, VAdA-110-71315, Version 6.0 (BASE #900726W1.11026)	IBM RISC System/6000 Models 220, 320, 320H, 340, 350, 520, 520H, 530H, 540, 550, 560, 730, 930, & 950 (under ADX 3.2)	Intel iSBC 486/125 (bare machine)	Verdex Corporation VADS Sequent Balance DYNIX V3.0, VAdA-110-2323, Version 6.0 (#901129W1.11096)	Sequent Balance 8000 (under DYNIX Version 3.0)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun4 => 68K, SunOS 4.0, VAdA-110-40125, Version 6.0 & 6.2 (BASE #900726W1.11097)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MD-CPU320, MD-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V	Verdex Corporation VADS Sun4 => 68K, Sun OS 4.0, VAdA-110-40125, Version 6.0 (#901129W1.11097)	Sun-4/260 (under SunOS 4.0) (bare machine)	Motorola MVME147 (68030)
Verdex Corporation VADS VAX/VMS 5.2 => Intel 80386/WEITEK 3167, VAdA-110-03315, Version 6.0 (#901129W1.11094)	MicroVAX 3100 (under VMS Version 5.2)	Intel iSBC 386/116 using a WEITEK 3167 fpu (bare machine)	*Validated by Registration Verdex Corporation VADS Sun4 => 68K, Sun OS 4.0, VAdA-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun-4/20, /65, /110 & /150; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220, MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130; Sun Microsystems 3E Board Set; Motorola MVME110 (MC68000), MVME133 Series, MVME134, MVME135, MVME136 (MC68020), MVME147 Series & MVME141 (MC68030), MVME-165, MVME-167 (MC68040); Tadpole TP32V, TP33M (bare machines)
*Validated by Registration Verdex Corporation VADS VAX/VMS 5.3 => Intel 80386/WEITEK3167, VAdA-110-03315, Version 6.0 (BASE #901129W1.11094)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Intel iSBC 386/116 using a WEITEK 3167 fpu (bare machine)	*Validated by Registration Verdex Corporation VADS Sun4 => 68K, Sun OS 4.1, VAdA-110-40125, Version 6.0 (BASE #901129W1.11097)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, /V2F Series, & /V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120, MZ8130, & CPU330; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP33M (bare machines)
Verdex Corporation VADS UNIX System V/386, Rel. 4, VAdA-110-3232, Version 6.0 (#901129W1.11095)	Intel 302 System (under UNIX System V/386, Release 4)	Same as Host	Verdex Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAdA-110-4013, Version 6.0 (#901129W1.11098)	Sun-4/260 (under SunOS 4.0)	Sun-3/260 (under SunOS 4.0)
*Validated by Registration Verdex Corporation VADS UNIX System V/486, Rel. 4, VAdA-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under UNIX System V/486, Release 4)	Any Host	*Validated by Registration Verdex Corporation VADS Sun-4 => Sun-3, Sun OS 4.0, VAdA-110-4013, Version 6.0 (BASE #901129W1.11098)	Sun-4/20, /65, /110, /150, /260 & /280; SPARCserver 330, 370, 390, 470 & 490; SPARCstation SLC, 1, 1+, 2, 330 & 370; and SPARCengine 1 VME (under SunOS 4.1)	Sun-3/50, /60, /80, /150, /160, /260, /280, /470 & /480 (under SunOS 4.1)
*Validated by Registration Verdex Corporation VADS UNIX System V/486, Rel.4, VAdA-110-3232, Version 6.0 (BASE #901129W1.11095)	NCR 3000, 3320, 3335, 3345, 3445, 3447, 3450, & 3550 (under NCR UNIX System V, Release 4.0); AST Premium 486/33 (under UNIX System V/486, Release 4.0)	Any Host	Verdex Corporation VADS AT&T 382/600G UNIX System V, Release 3.2.2, VAdA-110-5151, Version 6.0 (#901129W1.11099)	AT&T 382/600G (under UNIX System V, Release 3.2.2)	Same as Host



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (#901129W1.11100)	HP 9000 Model 350 (under HP-UX 7.0)	Motorola MVME133A (68020) (bare machine)	*Validated by Registration Verdex Corporation VADS BCS/88K, AVion DGUX 4.3, VAda-110-8080, Versions 6.1 & 6.2 (BASE #901129W1.11101)	Data General AViON computer series (under DG/UX 4.3 & 5.4)	Any Host
*Validated by Registration Verdex Corporation VADS HP-9000/300 => 68K, HP-UX 7.0, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	HP 9000 Series 300 Models 310, 320, 330, 340, 350, 360 & 370 (under HP-UX 7.0)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37 & Golden Triangle Firepower; Heurikon HK68/V30 Series, V2E Series & V2F Series; Integrated Solutions VME68K20, VME68K30, VME68225 & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)	Verdex Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (#901129W1.11102)	Sun-4/490 (under SunOS 4.1)	SPARCengine 1E (bare machine)
*Validated by Registration Verdex Corporation VADS HP-9000/300 => 68K, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0 & 8.0)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V	*Validated by Registration Verdex Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (BASE #901129W1.11102)	Sun-4/20, /65, /110, /150 & /260; SPARCserver 330, 370, 390, 470 & 490; and SPARCstation SLc, 1, 1+, 2, 330 & 370 (under SunOS 4.1)	SPARCengine 1E (bare machine)
*Validated by Registration Verdex Corporation VADS HP-9000/300 => 68K, VAda-110-15125, Version 6.0 (BASE #901129W1.11100)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0 & 8.0)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V	*Validated by Registration Verdex Corporation VADS Sun4 => SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 & 6.1 (BASE #901129W1.11102)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	SPARCengine 1E & Ironics IV-SPARC-33A (bare machines)
Verdex Corporation VADS BCS/88K, AVion DGUX 4.3, VAda-110-8080, Version 6.1 (#901129W1.11101)	Data General AViON Model 5120 (under DG/UX 4.3)	Same as Host	Verdex Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (#910517W1.11149)	Sun 3/260 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K, AVion DGUX 4.3, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	DG AViON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220 (under DG/UX 4.3)	Any Host	*Validated by Registration Verdex Corporation VADS Sun-3 SunOS => 68k, VAda-110-13140, Version 6.0 (BASE #910517W1.11149)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Motorola MVME 165 (MC68040) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K AVion DGUX 5.4, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Data General AViON Models 4000, 4000GHI, 4020, 4100, 4120, 5010, 5200, 5220, 5240, 5300, 5310, 5400, 5402, 5410, 5412, 6200 & 6220; MODCOMP Real Star Family (under DG/UX 5.4)	Any Host	Verdex Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (#910517W1.11150)	DECstation 5000-200 (under ULTRIX V4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	MODCOMP Real Star Family (under REAL/IX C.0.2)	Any Host	*Validated by Registration Verdex Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 (BASE #910517W1.11150)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Lockheed Sanders STAR MVP (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS BCS/88K, VAda-110-8080, Version 6.1 (BASE #901129W1.11101)	Motorola 8000 Delta Series (MC88000), all models (under Unix System V/88, R32V3)	Any Host	*Validated by Registration Verdex Corporation VADS DEC-RISC => MIPS R3000, VAda-110-61620, Version 6.1 & 6.2 (BASE #910517W1.11150)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines)



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (#910517W1.11151)	MicroVAX 3600 (under VMS V5.2)	Integrated Device Technology IDT7RS302(bare machine)	*Validated by Registration Verdex Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (BASE #910517W1.11154)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 33, CPU 37, & Golden Triangle Firepower; General Micro Systems GMSV17 & GMSV37; Heurikon HK68/V20, V2E, V2F, V2FA, V30, V30XE, V3E, & V3F; Ironics IV-3201a, 3204a, 3220, 3230; Matrix MS-CPU320; Mizar MZ7122 & MZ7124; Motorola MVME133 Series, MVME135, MVME135A, MVME141, MVME143, & MVME147; Radstone PME 68-25 & 68-31; SBE VLAN-e & VPU30; Sun Microsystems 3E; and Tadpole Technology TP32V-4MB (bare machines, using vxWorks 5.0)
*Validated by Registration Verdex Corporation VADS VMS => MIPS R3000, VAda-110-03620, Version 6.1 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000 & VAX 9000 Series of computers (under VMS 5.3)	Integrated Device Technology IDT7RS302(bare machine)			
*Validated by Registration Verdex Corporation VADS VAX/VMS => MIPS R3000, VAda-110-03620, Versions 6.1 & 6.2 (BASE #910517W1.11151)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.0, 5.2, & 5.3)	Heurikon HKMIPS/V3500;LSI Logic LR33000/LR33050Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pular 3000 (bare machines)	Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (#910517W1.11155)	Zenith Z-486/25E (under SCO UNIX i386 release 3.2)	Same as Host
Verdex Corporation VADS Sun-4 SunOS => 68k, VAda-110-40140, Version 6.0 (#910517W1.11152)	Sun 4/280 (under SunOS Release 4.0)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Zenith Z-486/33E (under SCO UNIX i386 release 3.2)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun4 SunOS => 68k, VAda-110-40140, Version 6.0 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Motorola MVME165 (68040) (bare machine)  SunOS 4.1)	*Validated by Registration Verdex Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.0 (BASE #910517W1.11155)	Any Computer System Comprising: cpu: any that executes the Intel 80386/486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host
*Validated by Registration Verdex Corporation VADS Sun-4 SunOS => 68040, VAda-110-40140, Versions 6.0 & 6.2 (BASE #910517W1.11152)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVM-144; Force CPU-40 Series/Eagle I; Motorola MVME165, MVME167, MVME167A; PEP Modular Computer VM40; and Tadpole TP41V	*Validated by Registration Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.0, 6.1, & 6.2 (BASE #910517W1.11155)	Any computer that executes the Intel 80386 or 80486 instruction set (under SCO UNIX Release 3.2 running SecureWare CMW+/386 v2)	Same as Host
Verdex Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (#910517W1.11153)	DECstation 2100 (under ULTRIX 4.0)	Motorola MVME181 (bare machine)	Verdex Corporation VADS Sun-4 SunOS => AMD 29K, 6.0 VAda-110-40525, Version 6.0 (#910517W1.11156)	Sun 4/280 (under SunOS 4.0.3)	Ironics IV9001 board (AMD 29000)(bare machine)
*Validated by Registration Verdex Corporation VADS DEC-RISC => 88k, VAda-110-61680, Version 6.1 (BASE #910517W1.11153)	DEC DECstation & DECsystem computer families (under ULTRIX 4.0)	Motorola MVME181 (88000) (bare machine)	*Validated by Registration Verdex Corporation VADS Sun4 SunOS => AMD 29K, VAda-110-40525, Version 6.0 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCserver & SPARCstation computer families (under SunOS 4.1)	Ironics IV9001 board (AMD 29000)(bare machine)
*Validated by Registration Verdex Corporation VADS DEC-RISC => 88k, VAda-110-61680, Versions 6.1 & 6.2 (BASE #910517W1.11153)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 3.1, 4.0, 4.1, 4.2, & 4.3)	Hughes Realtime Embedded Ada Processor (REAP) (bare machine)	*Validated by Registration Verdex Corporation VADS IBM RISC System/6000=> 68K, VAda-110-71125, Versions 6.0, 6.1, & 6.2 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver of complers (under SunOS 4.0, 4.1, & 4.2)	Ironics IV9001 board (AMD 29000)(bare machine)
Verdex Corporation VADSworks Sun4 => 68k, VAda-115-40800, Version 2.0 (#910517W1.11154)	Sun 4/20 (under SunOS 4.1.1)	Motorola MVME147SA (bare machine, using vxWorks 5.0)			

# Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Verdex Corporation VADS Sun-4 SunOS => AMD 29K, VAda-110-40525, Versions 6.0, 6.1, & 6.2 (BASE #910517W1.11156)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.0, 4.1, & 4.2)	Ironics IV9001 board (AMD 29000) (bare machine)	*Validated by Registration Verdex Corporation VADS IBM RS/6000 AX 3.1, VAda-110-71620, Version 6.1 (BASE #910920W1.11202)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under AX 3.1)	IDT 7RS302 (R3000) (bare machine)
Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Version 6.1 (#910517W1.11157)	Intel 402 (under SCO UNIX 3.2v2.e)	Same as Host	*Validated by Registration Verdex Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Versions 6.1 & 6.2 (BASE #910920W1.11202)	IBM RISC/System 6000 Series of computers (under AX 3.1 & 3.2)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines)
*Validated by Registration Verdex Corporation VADS 386/486 System V, Rel. 3.2, VAda-110-3232, Version 6.1 (BASE #910517W1.11157)	Any Computer System Comprising: cpu: any that executes the Intel 80386/i486 instruction set (under Any operating system compatible with Unix System V Release 3.2)	Same as Host	Verdex Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (#910920W1.11205)	SPARCserver 490 (under SunOS Release 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS UNIX System V/486, SCO UNIX 3.2, VAda-110-3232, Versions 6.1, & 6.2 (BASE #910517W1.11157)	Any computer that executes the Intel 80386 or 80486 instruction set (under 486 SCO ODT v1.1.1 & v2 R3.1, NCR UNIX System V Release 4.0, and UNIX System V/486 Release 4.0)	Same as Host	*Validated by Registration Verdex Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	LSI LR33000 Pocket Rocket Evaluation board (R3000) (bare machine)
*Validated by Registration Verdex Corporation VADS HP 9000/300, VAda-110-1515, Version 6.0 (BASE #910517W1.11157)	Hewlett-Packard HP 9000 Series 300 (under HP-UX 7.0)	Any Host	*Validated by Registration Verdex Corporation VADS Sun-4 => MIPS R3000, VAda-110-40620, Version 6.1 & 6.2 (BASE #910920W1.11205)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver series of computers (under SunOS 4.0, 4.1, & 4.2)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computer; Omnibyte VR3000; and Pulsar 3000 (bare machines)
Verdex Corporation VADS MIPS, VAda-110-6262, Version 6.1 (#910920W1.11200)	MIPS RC3230 (under RISC/os 4.52)	Same as Host	Verdex Corporation VADS Sun-4 SunOS => MC68000/10, VAda-110-40128, Version 6.0 (#910920W1.11206)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
*Validated by Registration Verdex Corporation VADS VAda-110-6262, Version 6.1 (BASE #910920W1.11200)	MIPS RC3xxx & RC4xxx series of computers (under RISC/OS 4.5)	Any Host	*Validated by Registration Verdex Corporation VADS Sun4 => MC68000/10, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME101 (68000) with MVME222-1 memory board (bare machine)
Verdex Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (#910920W1.11201)	MicroVAX 3100 (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdex Corporation VADS Sun-4 => MC68000/10, SunOS 4.1, VAda-110-40128, Version 6.0 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCengine computer families (under SunOS 4.1)	Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 (bare machines)
*Validated by Registration Verdex Corporation VADS VAX/VMS => 68040, VAda-110-03140, Version 6.0 (BASE #910920W1.11201)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Motorola MVME165 (68040) (bare machine)	*Validated by Registration Verdex Corporation VADS Sun-4 => MC68000/10, SunOS, VAda-110-40128, Versions 6.0, 6.1, & 6.2 (BASE #910920W1.11206)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Motorola MVME101, Motorola 68302, Philips-Signetics 68070, & Toshiba 68301 single-board computers (bare machines)
Verdex Corporation VADS IBM RS/6000 => MIPS R3000, VAda-110-71620, Version 6.1 (#910920W1.11202)	IBM RISC System/6000 Model 530 (under AX 3.1)	IDT 7RS302 (R3000) (bare machine)			



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS Sun-4 SunOS => CPU32, VAdA-110-40150, Version 6.0 (#910920W1.11207)	Sun-4/280 (under SunOS Release 4.0.3)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)	Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAdA-110-40120, Version 6.0 (#910920W1.11211)	SPARCstation 2 (under SunOS Release 4.1.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAdA-110-40150, SunOS 4.1) Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola CPU32 - M68332EVS Evaluation System (68332) (bare machine)	*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAdA-110-40120, Version 6.0 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1)	Motorola MVME147 (68030) (bare machine)
*Validated by Registration Verdix Corporation VADS Sun-4 SunOS => CPU32, VAdA-110-40150, Version 6.0 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCserver, SPARCstation, & SPARCEngine computer families (under SunOS 4.1)	Motorola CPU32-68331, -68333, & -68340 Evaluation Systems (bare machines)	*Validated by Registration Verdix Corporation VADS Sun4 SunOS => 68020/30ARTX, VAdA-110-40120, Versions 6.0 & 6.2 (BASE #910920W1.11211)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Cyclone CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37; Heurikon HK68/V2Fb Series, HK68/V30 Series, & HK68/V3E Series; Matrix MS-CPU220, MS-CPU320, & MS-CPU330; Mizar MZ7122, MZ7124, MZ7130, MZ8120, MZ8130; Motorola MVME133 Series, MVME134, MVME135, & MVME147 Series; Radstone CPU-2A; SBE VCOM-24; and Tadpole TP32V (bare machines)
*Validated by Registration Verdix Corporation VADS Sun-4 => CPU32, SunOS, VAdA-110-40150, SunOS 4.0, 4.1., & 4.2) Versions 6.0 & 6.2 (BASE #910920W1.11207)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1., & 4.2)	Motorola CPU32-68331, -68332, -68333, & -68340 Evaluation Systems (bare machines)	Verdix Corporation VADS IBM RISC System/6000ADX => 68020/30ARTX, VAdA-110-71120, Version 6.0 (#910920W1.11212)	IBM RISC System/6000 Model 530 (under ADX 3.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS IBM PS/2, ADX 1.1, VAdA-110-3535, Version 6.1 (#910920W1.11208)	IBM PS/2 Model 80 (under ADX 1.1)	Same as Host	*Validated by Registration Verdix Corporation VADS IBM RISC System/6000ADX => 68020/30ARTX, VAdA-110-71120, Version 6.0 (BASE #910920W1.11212)	IBM RISC System/6000 Models 320, 520, 540, 730, & 930 (under ADX 3.1)	Motorola MVME147 (68030) (bare machine)
Verdix Corporation VADS MIPS => MIPS R3000, VAdA-110-62620, Version 6.1 (#910920W1.11209)	MIPS RC3230 (under RISC/as 4.52)	Lockheed Sanders STAR MVP (R3000) (bare machine)	Verdix Corporation VADS SYSTEM V/860 RELEASE 4, VAdA-110-9090, Version 6.1 (#910920W1.11213)	Okidata I860 Workstation (under UNIX SYSTEM V/860 RELEASE 4 v1.0)	Same as Host
*Validated by Registration Verdix Corporation VADS MIPS => MIPS R3000, VAdA-110-62620, Versions 6.1 & 6.2 (BASE #910920W1.11209)	MIPS RC3230 (under RISC/OS 4.5)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based R3000-based computers OmniByte VR3000; and Pulsar 3000 (bare machines)	Verdix Corporation VADS VMS => AMD29000, VAdA-110-03525, Version 6.04 (#910920W1.11214)	MicroVAX 3600 (under VMS 5.2)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
Verdix Corporation VADS Sun-3 SunOS => 68020/30ARTX, VAdA-110-13120, Version 6.0 (#910920W1.11210)	Sun-3/280 (under SunOS Release 4.0)	Motorola MVME147 (68030) (bare machine)	*Validated by Registration Verdix Corporation VADS VAX VMS => AMD 29K, VAdA-110-03525, Version 6.04 (BASE #910920W1.11214)	DEC VAX-11, VAXserver, VAXstation, MicroVAX, VAX 6000, VAX 8000, & VAX 9000 Series of computers (under VMS 5.3)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)
*Validated by Registration Verdix Corporation VADS Sun3 SunOS => 68020/30ARTX, VAdA-110-13120, Version 6.0 (BASE #910920W1.11210)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Cyclone CVME 44, 46, & 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32, CPU 37, & Golden Triangle Firepower; Heurikon HK68/V2E Series, V2F Series, & V30 Series; Integrated Solutions VME68K20, 68K30, 68225, & Liberator SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7122, MZ7124, MZ7130, MZ8120, & MZ8130; Motorola MVME133 Series, MVME134, MVME135, MVME136, MVME141, & MVME147 Series; Sun Microsystems 3E board set; and Tadpole Technology TP32V & TP32M (bare machines)	Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAdA-110-13525, Version 6.04 (#910920W1.11215)	Sun-3/180 (under SunOS 4.1.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)



## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration			*Validated by Registration		
Verdix Corporation VADS Sun-3 SunOS => AMD 29K, VAda-110-13525, Version 6.04 (BASE #910920W1.11215)	Sun Microsystems Sun-3 computer family (under SunOS 4.1)	Ironics IV9001 board (AMD 29000) (Am29000 bare VME machine)	Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.0, 4.1, & 4.2)	Intel iSBc 486/133 & 486/166 (bare machines)
Verdix Corporation VADS AT&T 382/600GR UNIX System V, Release 4.0, VAda-110-6363, Version 6.1 (#920513W1.11252)	AT&T 382/600GR (under UNIX System V, Release 4.0)	Same as Host	Verdix Corporation VADSworks DEC-RISC => MIPS R3000, VAda-115-61640, Version 2.0 (#921004W1.11277)	DECstation 5000/200 (under Ulrix V4.1)	Lockheed Sanders STAR MVP board (bare machine, using vxWorks 5.0)
Verdix Corporation VADS IBM RISC System/6000 => IBM RISC System/6000, VAda-110-71710, Version 6.2 (#920513W1.11253)	IBM RISC System/6000 Model 530 (under AIX 3.2)	IBM RISC System/6000 Model 320 (bare machine)	*Validated by Registration Verdix Corporation VADSworks DEC-RISC => MIPS R3000, VAda-115-61640, Version 2.0 (BASE #921004W1.11277)	DECstation & DECsystem (MIPS-based) computer families (under ULTRIX 4.1, 4.2, & 4.3)	Heurikon HKMIPS/V3500; LSI Logic LR33000/LR33050 Pocket Rocket; any MIPS R2000-based & R3000-based computers; Omnibyte VR3000; and Pulsar 3000 (bare machines, using VxWorks 5.0 & 5.1)
*Validated by Registration Verdix Corporation VADS IBM RISC System/6000, VAda-110-71710, Version 6.2 (BASE #920513W1.11253)	IBM RISC System/6000 series of computers (under AIX 3.1 & 3.2)	Any Host	Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Version 6.2 (#921004W1.11278)	IBM RISC System/6000 model 220 (under AIX 3.2)	Same as Host
Verdix Corporation VADS BCS => 88K, VAda-110-80680, Version 6.1 (#920513W1.11254)	Motorola 88000 Delta (under R32V3 920117)	Motorola MVME187 (88000) (bare machine)	*Validated by Registration Verdix Corporation VADS IBM RISC System/6000 VAda-110-7171, Version 6.2 (BASE #921004W1.11278)	IBM RISC System/6000 models 230 & 570 (under AIX 3.2 & AIX BI/CMW)	Same as Host
Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Version 2.0 (#920513W1.11256)	Sun-4/20 (under SunOS, 4.1.1)	Motorola MVME167A (68040) (bare machine, using VxWorks 5.0)	Verdix Corporation VADS IBM RISC System/6000, VAda-110-7171, Version 6.2 (#921004W1.11279)	IBM RISC System/6000 model 530H (under AIX 3.2)	Same as Host
*Validated by Registration Verdix Corporation VADSworks Sun4 => 68K, VAda-115-40800, Versions 2.0 & 3.0 (BASE #920513W1.11256)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer family (under SunOS 4.0, 4.1, & 4.2)	DY 4 Systems SVM-144; Force CPU-40 Series; Motorola MVME162, MVME165, MVME167, & MVME167A; PEP Modular Computer VM40; Radstone CPU-40; and Tadpole TP41V (bare machine, using vxWorks 5.0)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11280)	ASL 486/33 (under UNIX System V, Release 3.2)	Same as Host
Verdix Corporation VADSworks Sun4 => SPARC, VAda-115-40850, Version 2.0 (#920513W1.11257)	Sun-4/20 (under SunOS, 4.1.1)	Sun SPARCengine 1e (bare machine, using VxWorks v5.0)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11281)	AST Premium 486 (under UNIX System V, Release 4.0)	Same as Host
Verdix Corporation VADS Sun SPARC => 386, VAda-110-40315, Version 6.2 (#920513W1.11258)	Sun-4/260 (under SunOS, Version 4.1.2)	Intel iSBc 386/20p (bare machine)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11282)	NCR model 3450 (under NCR UNIX SVR4 MP-RAS Release 2)	Same as Host
*Validated by Registration Verdix Corporation VADS Sun SPARC => 386/486, VAda-110-40315, Version 6.2 under SunOS 4.x (BASE #920513W1.11258)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under SunOS 4.1 & 4.2)	Any single-board computer that executes the Intel 80386 or i486 instruction set (bare machine)	Verdix Corporation VADS System V/386/486, VAda-110-3232, Version 6.1 (#921004W1.11283)	NCR model 3550 (under NCR UNIX SVR4 MP-RAS Release 2)	Same as Host

## Ada PROCESSORS, *Continued*

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11284)	RDI Britelite IPX Laptop (under Solaris 2.1)	Same as Host	*Validated by Registration Verdex Corporation VADS MP Sun SPARC, Solaris 2.0, VAda-110-4141, Version 6.2 (BASE #921004W1.11290)	Sun Microsystems Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0 & 2.1)	Any Host
Verdex Corporation VADS Sun-4 Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11285)	SPARCstation LX 4/30 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS Silicon Graphics Self, VAda-110-6464, Version 6.2 (#921004W1.11291)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host
*Validated by Registration Verdex Corporation SPARCCompiler Ada Porting Kit, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1)	Any Host	Verdex Corporation VADS MP Silicon Graphics, VAda-110-6565, Version 6.2 (#921004W1.11292)	Silicon Graphics IRIS 4D/440 (under IRIX 4.0.1)	Same as Host
*Validated by Registration Verdex Corporation SPARCworks Professional Ada, Version 2.0 (BASE #921004W1.11285)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under Solaris 2.1 & 2.2)	Any Host	Verdex Corporation VADSelf HP 9000 series 700 VAda-110-7575, Version 6.2 (#930226W1.11311)	HP 9000/720 (under HP-UX 8.0.7)	Same as Host
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11286)	SPARCstation 10 model 30 (under Solaris 2.1)	Same as Host	Verdex Corporation VADSworx Sun-4 => MIPS R3000 VAda-115-40640, Version 2.0 (#930226W1.11312)	Sun-4/20 (under SunOS Release 4.1.1)	Heurikon HKMIPS/3500 (R3000) board (bare machine, using vxWorks 5.0)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11287)	SPARCstation 10 model 41 (under Solaris 2.1)	Same as Host	*Validated by Registration Verdex Corporation VADSworx Sun-4 => MIPS R3000 VAda-115-40640, Version 2.0 (BASE #930226W1.11312)	Sun Microsystems Sun-4, SPARCstation, & SPARCserver computer families (under SunOS 4.0, 4.1, & 4.2)	Heurikon HKMIPS/V3500 (bare machine, using vxWorks 5.0)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11288)	SPARCstation 10 model 42 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS Sun4 => MIPS R3000, VAda-110-42620, Version 6.2 (#930901W1.11323)	Sun SPARCstation 2 (under Solaris 2.2)	Lockheed Sanders STAR MYP (R3000) (bare machine)
Verdex Corporation VADS Sun SPARC Solaris 2.1, VAda-110-4040, Version 6.2 (#921004W1.11289)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS Sun4 => MIPS R4000, VAda-110-40630, Version 6.2 (#930901W1.11324)	Sun SPARCstation 2 (under SunOS 4.1.2)	Silicon Graphics Indigo XS4000 used as a MIPS R4000 board (bare machine)
*Validated by Registration Verdex Corporation Sun Microsystems SPARCCompiler Ada 2.1 (BASE #921004W1.11289)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host	Verdex Corporation VADS Sun4 => PARAGON, VAda-110-40782, Version 6.2 (#930901W1.11325)	Sun SPARCstation 2 (under SunOS 4.1.3)	Intel PARAGON Supercomputer (under OSF/1 Release 1.0.3 Server 1.1 PT10.7.6(T10.4))
Verdex Corporation VADS MP Sun SPARC Solaris 2.1, VAda-110-4141, Version 6.2 (#921004W1.11290)	Sun SPARCserver 690 (under Solaris 2.1)	Same as Host	Verdex Corporation VADS SYSTEM V/88 RELEASE, VAda-110-8080, Version 6.2 (#930901W1.11326)	Motorola Delta 8640 (under UNIX System V/88 Release 4.0)	Same as Host
*Validated by Registration Verdex Corporation Sun Microsystems SPARCworks iMPact Ada 1.0 (BASE #921004W1.11290)	Sun-4, SPARCserver, & SPARCstation computer families (under Solaris 2.0, 2.1, 2.2, & 2.3)	Any Host			

## Ada PROCESSORS, Continued

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)	VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS SYSTEM V/88 RELEASE 4, VAda-110-8080, Version 6.2 (#930901W1.11327)	Data General AViiON Model 530 (under DG/UX Release 5.4.2)	Same as Host	*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterServe 200, 300, 2000, 3000, 4200, 5200, 6000, 6105 & 6505 (under CLIX Release 3.1)	Any Host
Verdix Corporation VADS Windows NT/486, VAda-110-36315, Version 6.2 (#940110W1.11337)	Compudyne 486 (under Windows NT 3.1)	Same as Host	*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Series 2400 & 6400--all models that use the C400 chip (under CLIX Release 3.1)	Any Host
Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (#901129W1.11093)	Wang VS 8480 (under Wang VSOS 7.30.02)	Same as Host			
*Validated by Registration Wang Laboratories, Inc. Wang VS Ada Version 5.00.00 (BASE #901129W1.11093)	Wang VS Models: 100 & 300; 5430, 5440, 5450 & 5460; 7010, 7110, 7120, 7150 & 7310; 8220, 8230, 8260, 8430, 8460, 8470 & 8480; and 10050, 10075 & 10100 (under all VS OS versions 7.21.xx & 7.30.xx)	Same as Host			
York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (#901127N1.11073)	Intergraph InterPro 3050 Workstation (under CLIX R3.1)	Same as Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	Intergraph Mobile GIS/C2 (under CLIX Release 3.1)	Same as Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterPro 125, 225, 340, 360, 2020, 3070, 6040, 6240, 6080 & 6280 (under CLIX Release 3.1)	Any Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterView 220 & 3050 (under CLIX Release 3.1)	Any Host			
*Validated by Registration York Software Engineering Limited York Ada Compiler Environment (ACE) Release 5 (BASE #901127N1.11073)	InterAct 220, 2020, 3050, 6040, 6080, 6240 & 6280 (under CLIX Release 3.1)	Any Host			



## 2.7.4 PASCAL PROCESSORS

Pascal -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC Pascal for OpenVMS VAX Version 5.0; NIST-93/1762; Level 0/1 (Switchable); 8/1/94	VAXstation 3100 Model 70; OpenVMS VAX Version 5.5	VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11 /730, /750, /780, /785; MicroVAX II; 2000; 3100 Models 10, 10E, 20, 20E, 30, 40, 80, 90; 3200; 3300; 3400; 3500; 3600; 3800; 3900; VAXstation II; II/GPX; II/QVSS; 2000; 2000/GPX, 2000/MFB; 3100 Models 30, 38, 40, 48, 76; 3100/GPX Models 38, 48, 76; 3100/SPX Models 38, 48, 76; 3200; 3500; 3520; 3540; 4000-VLC; 4000 Models 60, 90; VAXserver 3100 Models 10, 10E, 20, 20E; 3200; 3300; 3400; 3500; 3600; 3800; 3900; 4000 Models 200, 300, 400, 500, 600; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520; VAX 4000 Models 100, 200, 300, 500, 600; 6000 Models 210, 220, 230, 240, 310, 320, 330, 340, 360, 410, 420, 430, 440, 450, 460, 510, 520, 530, 540, 550, 560, 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 8200; 8250; 8300; 8350; 8530; 8550; 8600; 8650; 8700; 8800; 8810; 8820; 8830; 8840; 9000 Models 110, 110VP, 210, 210VP, 310, 310VP, 320, 320VP, 330, 330VP, 340, 340VP, 410, 410VP, 420, 420VP, 430, 430VP, 440, 440VP; 10000 Models 610, 620, 630, 640, 650, 660; VAXserver 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; OpenVMS VAX, Version 5.5
	DEC Pascal for DEC OSF/1 AXP Systems, Version 5.0; NIST-93/1763; Level 0/1 (Switchable); 8/1/94	DEC 3000 Model 500; DEC OSF/1 AXP Version 1.2	DEC 10000, DEC 7000, DEC 4000, DEC 3000, DEC 2000, DEC 1000; DEC OSF/1 AXP Version 1.2
	DEC Pascal for OpenVMS AXP Version 5.0; NIST-93/1764; Level 0/1 (Switchable); 8/1/94	DEC 3000 Model 500; OpenVMS AXP Version 1.5	DEC 10000, DEC 7000, DEC 4000, DEC 3000, DEC 2000, DEC 1000; OpenVMS AXP Version 1.5
IBM Canada Ltd.	IBM AIX XL Pascal Compiler/6000 Version 1 Release 1; NIST-94/1521; Level 0/1; 4/1/95	IBM RISC System /6000 POWERstation /POWERserver 560; IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System/6000 POWERstation/POWERserver Models 25T, 25W, 58H, 220, 250, 320H, 34H, 340, 350, 360, 370, 520H, 530, 540, 550, 560, 560F, 590, 730; AIX for RISC System/6000 Version 3 Release 2  IBM RISC System/6000 POWERserver Models 25S, 990, 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
	IBM AIX XL Pascal Compiler/6000 Version 2 Release 1; NIST-94/1522; Level 0/1; 4/1/95	IBM RISC System /6000 POWERstation /POWERserver 560; IBM AIX for RISC System/6000, Version 3 Release 2	IBM RISC System/6000 POWERstation/POWERserver Models 25T, 25W, 58H, 220, 250, 320H, 34H, 340, 350, 360, 370, 520H, 530, 540, 550, 560, 560F, 590, 730; AIX for RISC System/6000 Version 3 Release 2  IBM RISC System/6000 POWERserver Models 25S, 990, 930, 950, 970; AIX for RISC System/6000 Version 3 Release 2
Intergraph Corporation	Pascal-Clipper Version 1.8.4B; NIST-94/1102; Level 0/1; 12/1/94	Clipper Model 2730; CLIX Version 7.1.3	Clipper C300 and C400; CLIX Version 7.1.3

# PASCAL PROCESSORS, *Continued*

Pascal -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Siemens Nixdorf Informations- systeme AG	Pascal-XT V2.2B; PCVS/0101/UK; Level I; 9/1/94	7.582 TX (H90); BS 2000 V11.0	7.582 TX (H90); BS 2000 Version 10.0
	Pascal-XT V2.1C; PCVS/0102/UK; Level I; 9/1/94	MX500 (80386); SINIX-M V5.41	SINIX-PC; SINIX-Z Version 5.41
	Pascal-XT V2.1C; PCVS/0103/UK; Level 1; 9/1/94	RM600 (MIPS R3000); SINIX-P V5.41	RM400; SINIX-N Version 5.41
SUNPRO	SPARCompiler Pascal Version 3.0.2; NIST-93/2183; Level 0/1; 2/1/95	SPARCstation 10; Solaris Version 2.3	

## 2.7.5 C PROCESSORS

C -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
Digital Equipment Corporation	DEC OSF/1 for AXP C Version 2.0; NIST-93/2144; 12/1/94	DEC 3000 Model 400; DEC OSF/1 for AXP Version 2.0	DEC 3000 400, 500; DEC 4000 610; DEC 7000 610; DEC 10000 610; DEC OSF/1 for AXP Version 2.0
	DEC C for RISC/Ultrix Version 1.2a Release 1; NIST-93/2145; 12/1/94	DECstation 5000/200; Ultrix Version 4.4	DECstation 2100, 3100; Personal DECstation 5000 mods 20/25 MX, HX, TX, PXG+, PXG Turbo+; DECstation 5000 mods 120/125/133 MX, CX, HX, PX, TX, PXG, PXG+, PXG Turbo, PXG Turbo+; Models 200 MX CX HX, PX, TX, PXG PXG+ PXG Turbo, PXG Turbo+; Models 240 MX, HX, TX, PXG+, PXG Turbo+; DECsystem 3100; 5000 Models 25, 200, 240; 5100; 5400; 5500; 5810; 5820; 5830; 5840; 5900; Ultrix Version 4.4
	DEC C for OpenVMS VAX Version 1.3; NIST-93/1765; 8/1/94	VAXstation 3100 Model 48; OpenVMS VAX, Version 6.0	VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11 /730, /750, /780, /785; MicroVAX II; 2000; 3100 Models 10, 10E, 20, 20E, 30, 40, 80, 90; 3200; 3300; 3400; 3500; 3600; 3800; 3900; VAXstation II; II/GPX; II/QVSS; 2000; 2000/GPX, 2000/MFB; 3100 Models 30, 38, 40, 48, 76; 3100/GPX Models 38, 48, 76; 3100/SPX Models 38, 48, 76; 3200; 3500; 3520; 3540; 4000-VLC; 4000 Models 60, 90; VAXserver 3100 Models 10, 10E, 20, 20E; 3200; 3300; 3400; 3500; 3600; 3800; 3900; 4000 Models 200, 300, 400, 500, 600; 6000 Models 210, 220, 310, 320, 410, 420, 510, 520; VAX 4000 Models 100, 200, 300, 500, 600; 6000 Models 210, 220, 230, 240, 310, 320, 330, 340, 360, 410, 420, 430, 440, 450, 460, 510, 520, 530, 540, 550, 560, 610, 620, 630, 640; 7000 Models 610, 620, 630, 640, 650, 660; 8200; 8250; 8300; 8350; 8530; 8550; 8600; 8650; 8700; 8800; 8810; 8820; 8830; 8840; 9000 Models 110, 110VP, 210, 210VP, 310, 310VP, 320, 320VP, 330, 330VP, 340, 340VP, 410, 410VP, 420, 420VP, 430, 430VP, 440, 440VP; 10000 Models 610, 620, 630, 640, 650, 660; VAXserver 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; OpenVMS VAX, Version 6.0
	DEC C for OpenVMS AXP Version 4.0; NIST-94/1405; 4/1/95	DECstation 3000 Model 400; OpenVMS AXP Version 6.1	DEC 2000 Model 300S AXP; DEC 3000 Models 300 AXP, 300L AXP, 300X AXP, 300LX AXP, 400 AXP, 400S AXP, 600 AXP, 600S AXP, 800 AXP, 800S AXP; Digital 2100 A600/600 MP; DEC 4000 Models 600 AXP, 700 AXP; DEC 7000 Models 600 AXP; DEC 10000 Model 600 AXP; OpenVMS AXP, Version 6.1
Encore Computer Corporation	C Version 1.3.0; NIST-93/2261; 11/1/94	Encore 91; UMAX V, Version 3.0.9	ENCORE INFINITY 90, R/T; UMAX V, Version 3.0.9 ENCORE 93; UMAX V, Version 3.1.3
Hewlett- Packard Company	HP C/HP-UX Version A.09.60 Release HP-UX 9.0; NIST-94/1221; 1/1/95	HP9000 Model 720; HP-UX Version 9.0	HP9000 Models 8xx, 7xx, 6xx, FxO, GxO, HxO, IxO; HP-UX Version 9.0
	HP C/iX Version A.05.02 Release MPE/iX 5.0; NIST-94/1222; 1/1/95	HP3000 Model 967; MPE/iX Version 5.0	HP3000 Model 9xx; MPE/iX Version 5.0



# C PROCESSORS, *Continued*

C -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	HP C/HP-UX Version B.08.36 Release HP-UX B.09.00; NIST-94/1223; 1/1/95	HP9000 Model 42S; HP-UX Version B.09.00	HP9000 Models 3xx, 4xx; HP-UX Version B.09.00
IBM Canada Ltd.	XL C Compiler Version 1.3; NIST-93/1961; 10/1/94	IBM RISC System/6000 Model 320; AIX for RISC System /6000 Version 3.2	IBM RISC System/6000 POWERstation/POWERserver 220, 230, 250, 25E, 320, 320H, 340, 340H, 350, 360, 36T, 370, 37T, 520, 520H, 530, 530H, 540, 550, 550L, 560, 580, 58H, 590; POWERserver 25S, 930, 950, 95E, 970, 97B, 97E, 97F, 970, 980, 98B, 98E, 98F, 990, 99E, 99F, POWERstation M20, M2A, 25T, 25W, 355, 365, 36T, 375, 37T, R24; AIX for RISC System/6000 Version 3 Release 2
	C Set ++ for AIX/6000 Version 2.1; NIST-93/1962; 10/1/94	IBM RISC System /6000 Model 320; AIX for RISC System /6000 Version 3.2	IBM RISC System/6000 POWERstation/POWERserver 220, 230, 250, 25E, 320, 320H, 340, 340H, 350, 360, 36T, 370, 37T, 520, 520H, 530, 530H, 540, 550, 550L, 560, 580, 58H, 590; POWERserver 25S, 930, 950, 95E, 970, 97B, 97E, 97F, 970, 980, 98B, 98E, 98F, 990, 99E, 99F, POWERstation M20, M2A, 25T, 25W, 355, 365, 36T, 375, 37T; AIX for RISC System/6000 Version 3 Release 2
	IBM ILE C/400 Version 2 Release 3; NIST-93/1963; 10/1/94	AS/400 Model 9406/E90; OS/400 Version 2 Release 3	9402 System Models D02, E02, C04, D04, E04, C06, D06, E06, F02, F04, F06; 9404 System Models B10, C10, D10, E10, B20, C20, D20, E20, C25, D25, E25, F10, F20, F25; 9406 System Models B30, B35, B40, B45, B50, B60, B70, D35, E35, D45, E45, D50, E50, D60, E60, F80, F90, F95, D70, E70, D80, E80, E90, E95, F35, F45, F50, F60, F70; OS/400 Version 2 Release 3
Intel SSD	CC Compiler Version R4.5; NIST-93/1782; 11/1/94	XP/5; OSF/1AD Release R1.1	
Intergraph Corporation	Clipper Advanced Optimizing C Version 1.57; NIST-94/1103; 12/1/94	Clipper Model 2730; CLIX Version 7.1	Clipper C3000 and C4000; CLIX Version 7.1
	Clipper Advanced Optimizing C Version 2.0; NIST-94/1105; 12/1/94	Clipper Model 2730; CLIX Version 7.1	Clipper C300 and C400; CLIX Version 7.1
Microsoft Corporation	Microsoft C/C++ Optimizing Compiler Version 8.00 Release Microsoft Visual C++ 1.0; NIST-93/1881; 9/1/94	IBM PS/2 Model 70/486 DX; MS-DOS 6.0/ Microsoft Windows 3.1	IBM PS/2 486DX, IBM PS/2 486SX, IBM PS/2 386DX, IBM PS/2 386SX; MS-DOS 6.0/Microsoft Windows 3.1
	Microsoft C/C++ Optimizing Compiler Version 8.00; NIST-93/1882; 9/1/94	Compaq 486/33M DX; MS-DOS 6.0/ Microsoft Windows 3.1	Compaq 486DX, Compaq 486SX, Compaq 386DX, Compaq 386SX; MS-DOS 6.0/Microsoft Windows 3.1

# C PROCESSORS, *Continued*

C -  
Certificates

SUPPLIER	PROCESSOR ID; VSR#; SUBSET; EXPIRY DATE	HARDWARE; OPERATING SYSTEM	OTHER ENVIRONMENTS
	Microsoft C/C++ Optimizing Compiler Version 8.00; NIST-93/1883; 9/1/94	Zenith 486/33E DX; MS-DOS 6.0/ Microsoft Windows 3.1	Zenith 486DX, Zenith 486SX, Zenith 386DX, Zenith 386SX; MS-DOS 6.0/Microsoft Windows 3.1
NCR Corporation	NCR C Development Toolkit Release 2; NIST-94/1121; 1/1/95	NCR System 3000 Model 3550; NCR UNIX SVR4 MP-RAS Release 2 Version SVR4	NCR System 3000 Models 3335, 3340, 3345, 3350, 3360, 3410, 3430, 3445, 3447, 3450, 3455, 3470, 3475, 3520, 3525, 3555, 3570, 3575, 3600; NCR UNIX SVR4 MP-RAS Rel. 2
Pyramid Technology Corp.	DC/OSx ANSI C, Version 3.11 Release c07x; NIST-94/1541; 5/1/95	MIServer-ES; DC/OSx Version 1.1 Release c07x	MIServer-S; DC/OSx Version 1.1 Release c07x
	DC/OSx ANSI C, Version 3.11 Release d07x; NIST-94/1542; 5/1/95	MIServer-NILE; DC/OSx Version 1.1 Release d07x	
SCO Canada, Inc.	SCO XPG4 Development System Supplement Version 1.0; NIST-94/1661; 4/1/95	DELL 486 Model 450DE/2 DGX; SCO UNIX Version 3.2 Release 4.2	
Sequent Computer Systems, Inc.	ptx/C Version 2 Release 1.0; NIST-93/2003; 2/1/95	S2000/250; DYNIX/ptx Version 2 Release 1.0	S2000/450, S2000/750; DYNIX/ptx Version 2 Release 1.0
SUNPRO	SPARCCompiler C Version 3.0; NIST-93/2184; 2/1/95	SPARCstation 10 SPARCserver 1000; Solaris Version 2.3	
	ProCompiler C Version 2.0.1; NIST-93/1902; 8/1/94	DELL Model 433DE; Solaris Version 2.1 Release X86	
Tandem Computers Incorporated	C Version D20 Release D20; NIST-93/2041; 10/1/94	NonStop VLX; NonStop Kernel Version D20 Release D20	
Unisys	UCS C (UC) Version 4R1 Release SB5R1; NIST-93/2221; 11/1/94	2200 Model 900; 1100 OS EXEC Version 44R1 Release SB5R1	1100/90, 2200/400, 2200/600; 1100 OS EXEC/44R1

## 2.7.6 MUMPS PROCESSORS

No entries at this time.



## **2.8 LANGUAGE PROCESSORS WITH REGISTERED REPORTS ONLY**

No entries at this time.

### 3. DATABASE LANGUAGE (SQL)

#### 3.1 FIPS Database Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies, when acquiring SQL processors, are responsible for assuring that processors are in accordance with the applicable FIPS PUB 127, Database Language SQL. On December 3, 1993, FIPS PUB 127-2 superseded FIPS PUB 127-1.

#### 3.2 Organization of Database Language Processor Entries

Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from the Software Standards Validation Group at NIST. See 3.4 and 3.5 below.

Products validated for conformance to FIPS PUB 127-2 are listed first, followed by products validated for FIPS PUB 127-1. Products that demonstrated one or more nonconformities, as assessed by the SQL Validation System, are listed separately at the end. (These products are considered "provisionally" validated, pending correction of nonconformities.) The entries in the VPL for database language processors are presented as follows:

- The **VENDOR ID** column contains the name of the Vendor of the processor.
- The **PROCESSOR ID** column contains the name of the processor, its version number, the VSR number, and the Expiry date of the Validation Certificate or the Registered VSR. The term "Pre-release" means that the vendor has designated the SQL processor as "not commercially available" at the time of validation. The product is listed to assist users in planning for future procurements. "Validated by Registration" means the Vendor has complied with CSL procedures for self-testing a ported version of a registered SQL processor. NIST has reviewed Vendor test results and determined them to be equivalent to those in the referenced BASE VSR.
- The **INTERFACES & COMPILERS** column contains the names of associated interactive SQL or programming language interfaces, and identification of the programming language compilers that interface with the SQL processor. A listing in the **COMPILERS** column is not an indication that the compiler has been validated for the applicable programming language standard. See the preceding "Programming Languages" Section for a list of validated compilers.
- The **HARDWARE & OPERATING SYSTEM** column presents the hardware and operating system environment used during the validation.
- The entries in the **OTHER HW/SW ENVIRONMENTS** column include other hardware and operating system environments in which the processor operates, and the programming language compilers that interface with the SQL processor. The listings of the compilers and operating systems may contain a range of versions that are supported. Rebadged or renamed software are also listed here. This column is restricted to binary-compatible hardware environments.
- The **NONCONFORMITIES** column lists the number and type of nonconformities for each programming language interface tested. "Schema" nonconformities are deficiencies in support for standard schema definition language constructs. "FIPS Flagger" in this column indicates that the mandatory FIPS Flagger requirement of FIPS 127 was not implemented. Refer to the VSR for details. The number of nonconformities is only one limited measure of the quality of an SQL interface. It is more important to analyze the nature of each individual nonconformity and its impact on meeting user requirements.

### **3.3 Validation Requirements**

Refer to Database Language SQL Validation Procedures. The requirements for validation of database language processors are the same as those for programming language processors, listed in section 2.3.1, with several exceptions. Expired VSRs are deleted from the VPL to motivate vendors to test new releases of their SQL processors and to demonstrate conformance to more comprehensive versions of the SQL Test Suite. Information about expired VSRs or vendor self-testing with the SQL Test Suite may be available from the vendor.

### **3.4 Certificate of Validation**

A Certificate of Validation is issued for those SQL processors that have been tested and are considered to be in compliance with FIPS as specified by the FIPS, by the FIRMR, and the associated Federal ADP and Telecommunications Standards Index.

### **3.5 Registered Report**

A Validation Summary Report (VSR) that indicates that the SQL processors did not meet the criteria for a Certificate of Validation may be registered by the Computer Systems Laboratory. A VSR is considered registered by CSL when it contains a signed notice that the VSR will be listed in the CSL Validated Products List (VPL).

### **3.6 Validation Procedures**

SQL processors are tested in accordance with the procedures described in the NIST Database Language SQL Validation Procedures. To request a copy of the validation procedures and/or to request the validation of an SQL processor, contact:

National Institute of Standards and Technology  
Computer Systems Laboratory  
Software Standards Validation Group  
Building 225, Room A266  
Gaithersburg, Maryland 20899 (U.S.A.)  
Telephone (301) 975-2490 (Voice)  
(301) 975-3274 (Voice)  
(301) 948-6213 (FAX)  
e-mail: dashiell@speckle.ncsl.nist.gov (INTERNET)

### **3.7 SQL Validation System**

To request a copy of the SQL Validation System and/or to submit questions regarding the SQL Validation System, contact:

National Institute of Standards and Technology  
Computer Systems Laboratory  
Database Languages Group  
Building 225, Room A266  
Gaithersburg, Maryland 20899 (U.S.A.)  
Telephone (301) 975-3258 (Voice)  
(301) 975-3263 (Voice)  
(301) 948-6213 (FAX)  
e-mail: sullivan@ecf.ncsl.nist.gov (INTERNET)



### 3.8 SQL PROCESSORS

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
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#### FIPS 127-2: ZERO NONCONFORMITIES

[Entry FIPS 127-2 exceeds requirements for FIPS 127-1 with Integrity Enhancement Option]

Digital Equipment Corporation	DEC Rdb for OpenVMS VAX Version 6.0; NIST-94/7111; 03/31/95;  VAXstation 3500; OpenVMS VAX, V. 5.4-3  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Module Ada VAX Ada Version 2.3 Embedded C Module C VAX C Version 3.2 Embedded COBOL Module COBOL VAX COBOL Version 5.1 Embedded FORTRAN Module FORTRAN VAX FORTRAN Version 5.8 Embedded PASCAL Module PASCAL VAX Pascal Version 4.4 Interactive SQL (FIPS Default)	VAX 4000 Models 100, 200, 300, 400, 500, 600; VAX 6000 Models 200, 300, 400, 500, 600; VAX 7000 Model 600; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8598, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840; VAX 9000 Models 110, 210, 300, 400; VAX 10000 Model 600; VAXft 3000 Models 110, 310, 410, 610, 612; VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785; MicroVAX's II, 2000, 3100 Models 10/10E, 20/20E, 30, 40, 80, 90; MicroVAX's 3200, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation's II, 2000, 3100 Models 30, 38, 40, 48, 76; VAXstation's 3200, 3500, 3520, 3540, 4000 Models 60, 90, VLC; VAXservers 3100, 3200, 3300, 3400, 3500, 3600, 3800, 3900, 4000 Models 200, 300, 400, 500, 600, 700; VAXserver 6000 Models 200, 300, 400, 500, 600 Series; VAXservers 8200, 8250, 8300, 8350, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8830, 8840 OpenVMS VAX, Vers. 5.4, 5.5, 6.0  VAX Ada V2.0 - 2.3 VAX C V3.0 - 3.2 VAX COBOL V4.2-4.4 VAX COBOL V5.0-5.1 VAX Fortran V5.0 - 5.9 VAX Pascal V4.0 - 4.4
	DEC Rdb for OpenVMS AXP Version 6.0; NIST-94/7112; 03/31/95;  DEC 2000 Model 300; OpenVMS AXP, V. 1.5  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Module Ada DEC Ada for OpenVMS AXP, Version 3.0 Embedded C Module C DEC C for OpenVMS AXP, Version 1.3 Embedded COBOL Module COBOL DEC COBOL for OpenVMS AXP, Version 1.1 Embedded FORTRAN Module FORTRAN DEC FORTRAN for OpenVMS AXP, V.6.1 Embedded PASCAL Module PASCAL DEC Pascal for OpenVMS AXP, Version 5.1 Interactive SQL (FIPS Default)	DEC 2000 Model 300, DEC 3000 Models 300, 400 AXP Workstation, DEC 3000 Model 400 AXP Server, DEC 3000 Model 500 AXP Workstation, DEC 3000 Model 500 AXP Server, DEC 4000 Model 610 AXP System, DEC 7000 Model 610 AXP System, DEC 10000 Model 610 AXP System OpenVMS AXP Ver. 1.5  DEC Ada for OpenVMS AXP V.3.0 DEC C for OpenVMS AXP V. 1.3-1.4 DEC COBOL for OpenVMS AXP V. 1.1-2.0 DEC Fortran for OpenVMS AXP V.6.1-6.2 DEC Pascal for OpenVMS AXP V.5.0-5.1

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Informix Software, Inc.	INFORMIX-OnLine Version AN6.00 Pre-release; NIST-94/7041; 1/1/95;  Sun SPARCstation 10; SunOS V.4.1.3_DBE1.3  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version AN 6.00 Native C for SunOS 4.1.3 Embedded COBOL INFORMIX-ESQL/ COBOL Version AN 6.00 Micro Focus COBOL V3.0.54-Be  Interactive SQL (FIPS Default) INFORMIX DB-Access Version AN 6.00	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOs V. 4.1.3_DBE1.3
	INFORMIX-OnLine Version NC6.00 Pre-release; Validated by Registration BASE VSR NIST-94/7041; 1/1/95;  Hewlett Packard 9000/715; HP-UX A.09.01  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version NC6.00 HP Version A.08.71	HP 9000 Series 635, 645 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/200, 870/300, 870/400, 877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 HP 9000 HP-UX
	INFORMIX-OnLine Version NC6.00 Pre-release; Validated by Registration BASE VSR NIST-94/7041; 1/1/95;  IBM RS6000 POWER-server 360; AIX 3.2  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C INFORMIX-ESQL/C Version NC6.00 HP Version A.08.71	RISC System/6000 POWERstation/ POWERserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC System/6000 POWERserver 25S, 930, 950, 970, 990
Ingres, An ASK Company	OpenINGRES SQL, Release 1.0, Intelligent Database; NIST-94/7121; 5/31/95;  SUN SparcStation10; SunOS Version 4.1.3  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada SUN Ada, Version 1.0 Embedded C SUN C Version 2.0.1 Embedded FORTRAN SUN Fortran Version 2.0.1	ESQL/Ada, Rel. 1.0 ESQL/C Rel. 1.0 ESQL/FORTRAN Rel. 1.0

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>OpenINGRES SQL, Release 1.0, Intelligent Database; NIST-94/7122; 5/31/95;</p> <p>DEC VAXstation 3100, Model 38; VAX/VMS Version 5.5</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded Ada VAX Ada, V. 3.0.7 Embedded C VAC C, V. 3.2-044 Embedded FORTRAN VAX Fortran, V. 6.0-1</p>	<p>ESQL/Ada, Rel 1.0 ESQL/C, Rel. 1.0 ESQL/FORTRAN, Rel. 1.0</p>
	<p>OpenINGRES SQL, Release 1.0, Intelligent Database; NIST-94/7123; 5/31/95;</p> <p>IBM RISC System 6000, Model 530; IBM AIX for RISC System 6000 Version 3.2</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded Ada Verdix Ada, V. 6.1 Embedded C IBM XL C Compiler V. 1.2 Embedded FORTRAN IBM XL FORTRAN Compiler V. 2.3</p>	<p>ESQL/Ada Rel. 1.0 ESQL/C Rel. 1.0 ESQL/FORTRAN Rel. 1.0</p>
Oracle Corporation	<p>ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7521; 11/1/94;</p> <p>SUN SPARCstation 10; SunOS Version 4.1.3</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded C Pro*C, Version 1.6 Native C, bundled with SunOS Version 4.1.3</p>	
	<p>ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7522; 11/1/94;</p> <p>SUN SPARCstation 10; SunOS Version 4.1.3</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Embedded C Pro*C, V. 2.0 Native C, bundled with SunOS Version 4.1.3</p>	



# SQL PROCESSORS, Continued

SQL -  
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	ORACLE7, Release 7.1 (Beta) Pre-release; NIST-93/7523; 11/1/94;  SUN SPARCstation 10; SunOS Version 4.1.3  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded Ada Pro*Ada, V. 1.6 Verdix Ada Development System (VADS) SUN Ada, V. 1.1	
	ORACLE7, Release 7.1; NIST-94/7141; 6/30/95;  SUN SPARCstation 10; SunOS V. 5.3  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 1.6 SPARCompiler C Rel. 3.0	
	ORACLE7, Release 7.1; NIST-94/7142; 6/30/95;  Sequent 2000/700; DYNIX/ptx V. 2.1  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Embedded C Pro*C, V. 1.6, 2.0 DYNIX/ptx Native C	
	ORACLE7, Release 7.1; NIST-94/7143; 6/30/95;  SUN SPARCstation 10; SunOS Version 4.1.3  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Module C SQL*Module for C Version 1.0 SunOS V. 4.1.3 SPARCompiler C Rel. 3.0	
Sybase, Inc.	Sybase System 10 Pre-release 10.0.1; NIST-94/7061; 1/1/95;  Client: Sun 4/690 SunOS Version 4.1.2 Server: Sun 4/690 SunOS Version 4.1.2  Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults	Schema Processor Interactive SQL (isql) Release 10.0.1 Embedded C Sybase System 10 Embedded SQL/C pre-release 10.0.1 gcc version 2.3.1	

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 GA Release 10.0.1; NIST-94/7131; 4/30/95;</p> <p>Client: Sun 4/25 SunOS V. 4.1.3 Server: Sun 4/25 SunOS V. 4.1.3</p> <p>Features Tested: Entry FIPS 127-2 FIPS Sizing Defaults</p>	<p>Schema Processor Interactive SQL (isql) Release 10.0.1 Embedded C Sybase System 10 Embedded SQL/C GA 10.0.1 gcc version 2.3.1</p>	
FIPS 127-1 ZERO CONFORMITIES			
Cincom Systems, Inc.	<p>SUPRA Server, Version 3.2 Pre-release; NIST-93/7481; 12/1/94;</p> <p>SUN SPARCstation 2; SunOS Release 4.1.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded SQL C SUPRA C Precompiler V. 3.2 Pre-release C bundled with SunOS Release 4.1.1 Embedded SQL COBOL SUPRA COBOL Precompiler V. 3.2 Pre-release SUN COBOL V. 1.0 Interactive SQL SUPRA I/SQL V. 3.2 Pre-release</p>	
	<p>SUPRA Server, Version 3.2 Pre-release; NIST-93/7482; 12/1/94;</p> <p>SUN SPARCstation 2; SunOS Release 4.1.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded SQL Ada SUPRA Ada Precompiler, V. 3.2 Pre-release SUN Ada V. 1.1</p>	
Digital Equipment Corporation	<p>VAX Rdb/VMS Version 4.1; NIST-92/7351; 10/01/95;</p> <p>VAXstation 3500 and VAX 8800; VAX/VMS V. 5.4-3</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded Ada Module Ada VAX Ada V. 2.2 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)</p>	<p>VAX, MicroVAX, and VAXstation VMS V. 5.0-5.4-3</p> <p>VAX Ada V2.0-2.2 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2</p>

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	VAX Rdb/VMS Version 4.1; NIST-92/7352; 10/01/95;	Embedded Ada Module Ada VAX Ada V. 2.1 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.5-2  VAX Ada V2.0-2.1 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAXstation 4000 Cluster; VAX/VMS V. 5.5-2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	VAX Rdb/VMS Version 4.2; NIST-92/7353; 10/01/95;	Embedded Ada Module Ada VAX Ada V. 2.2 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.4-3  VAX Ada V2.0-2.2 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAXstation 3500 and VAX 8800; VAX/VMS V. 5.4-3  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	VAX Rdb/VMS Version 4.2; NIST-92/7354; 10/01/95;	Embedded Ada Module Ada VAX Ada V. 2.1 Embedded C Module C VAX C V. 3.2 Embedded COBOL Module COBOL VAX COBOL V. 4.4 Embedded FORTRAN Module FORTRAN VAX FORTRAN V. 5.7 Embedded PASCAL Module PASCAL VAX Pascal V. 4.2 Interactive SQL (FIPS Default)	VAX, MicroVAX, and VAXstation VMS V. 5.0-5.5-2  VAX Ada V2.0-2.1 VAX C V3.0-3.2 VAX COBOL V4.2-4.4 VAX Fortran V5.0-5.7 VAX Pascal V3.9-4.2
	VAXstation 4000 Cluster; VAX/VMS V. 5.5-2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		



# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
IBM Corporation	Database 2 (DB2) Version 3; NIST-93/7441; 8/1/94;  IBM ES90009021-720; MVS/ESA SP Version 4 Release 1  Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C IBM C/370 V.2 Rel.1 Embedded COBOL IBM SAA AD/CYCLE COBOL/370 V.1 Rel.1 Embedded Fortran IBM VS FORTRAN V.2 Rel.5	
Informix Software Inc.	INFORMIX-OnLine/ Secure Version 5.00; NIST-93/7301; 12/1/95;  RDI BriteLite IPX Laptop; Solaris 2.1  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/ SAME V.5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C V. 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4c sparc Solaris 2.1
	INFORMIX-OnLine/ Secure Version 5.00; NIST-93/7302; 12/1/95;  Sun SPARCstation 10, Model 30; Solaris 2.1  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C V. 5.00 Sun ANSI C V.2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access V. 5.00	Sun4m sparc Solaris 2.1
	INFORMIX-OnLine/Secure Version 5.00; NIST-93/7303; 12/1/95;  Sun SPARCstation 10, Model 41; Solaris 2.1  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00	Sun4m sparc Solaris 2.1

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7304; 12/1/95;</p> <p>Sun SPARCstation 10, Model 42; Solaris 2.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0 Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V.2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>Sun4m sparc Solaris 2.1</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7305; 12/1/95;</p> <p>Sun SPARCstation 4/30; Solaris 2.1</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 SunAda V. 2.0</p> <p>Embedded C INFORMIX-ESQL/C Version 5.00 Sun ANSI C V. 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>Sun4m sparc Solaris 2.1</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7306; 12/1/95;</p> <p>Alpha Systems Lab PC Model ASL 486/33; Sun Interactive Unix, V. 3.0.1, Rel. 3.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 Verdix VADS System V/386/486 V. 6.1 Embedded C INFORMIX-ESQL/C Version 5.00 Interactive ANSI C Version 3.0 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>Intel 486 Sun Interactive Unix, V. 3.0.1, Rel. 3.2</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7307; 12/1/95;</p> <p>Hewlett-Packard 9000 Series 800 Model 867; HP BLS A.08.08</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C Version 5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>HP9000 Series 800, Series 700 HP BLS A.08.08-09</p>

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7308; 12/1/95;</p> <p>Hewlett-Packard 9000 Series 800 Model 827; HP BLS A.08.08</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C V. 5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.00</p>	<p>HP9000 Series 800, Series 700 HP BLS A.08.08-09</p>
	<p>INFORMIX-OnLine/Secure Version 5.00; NIST-93/7309; 12/1/95;</p> <p>Hewlett-Packard 9000 Series 800 Model 807; HP BLS A.08.08</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Module Ada INFORMIX-ADA/SAME Version 5.00 Alsys Ada for HP9000 Series 800, V. A.05.35 Embedded C INFORMIX-ESQL/C V.5.00 HP C V. A.08.17 Interactive SQL (FIPS Default) INFORMIX DB-Access V.5.00</p>	<p>HP9000 Series 800, Series 700 HP BLS A.08.08-09</p>
	<p>INFORMIX-OnLine Version 5.02; NIST-94/7042; 1/1/95;</p> <p>Sun SPARCstation 10; SunOS Version 4.1.3_DBE1.3</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.02 Sun Ada V. 1.10 Embedded C INFORMIX-ESQL/C V.5.02 Native C for SunOS 4.1.3 Interactive SQL (FIPS Default) INFORMIX DB-Access Version 5.02</p>	<p>SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 SunOS V. 4.1.3 SunOs V. 4.1.3_DBE1.3</p>
	<p>INFORMIX-OnLine/Secure-C2 Version 5.00; NIST-94/7048; 1/1/95;</p> <p>INFORMIX-OnLine/Secure-C2 Version DR6.00; NIST-94/7047; 1/1/95;</p> <p>Sun SPARCstation 10 Model 20; Solaris V. 2.3</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded C INFORMIX-ESQL/C Version 5.00 SPARCCompiler C Version 2.0.1 Interactive SQL (FIPS Default) INFORMIX DB-Access</p>	<p>SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000 Solaris V. 2.3</p>



# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/Secure-C2 Version 5.00; NIST-94/7051; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 DEC Ada V. 3.1-5	DEC/1000, DEC/2000, DEC/3000, DEC/3000 Models 400 500, DEC 4000, DEC 4000 Models 610, DEC 7000,
	INFORMIX-OnLine/Secure-C2 Version DR6.00; NIST-94/7057; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00 DEC OSF/1 AXP Compiler Driver V.3.11	DEC 7000 Model 610, DEC/10000, DEC/1000 Model 610 OSF/1 V. T2.0
	INFORMIX-OnLine/Secure-B1 Version 5.00; NIST-94/7055; 1/1/95;	Interactive SQL (FIPS Default) INFORMIX DB-Access	
	INFORMIX-OnLine/Secure-B1 Version DR6.00; NIST-94/7059; 1/1/95;		
	DEC 3000; OSF/1 Version T2.0		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	INFORMIX-OnLine Version 5.01; NIST-94/7052; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.01 DEC Ada V. 3.1-5	DEC/1000, DEC/2000, DEC/3000, DEC/3000 Models 400 500, DEC 4000, DEC 4000 Model 610, DEC 7000,
	DEC 3000; OSF/1 V. T2.0	Embedded C INFORMIX-ESQL/C Version 5.01 DEC OSF/1 AXP Compiler Driver V. 3.11	DEC 7000 Model 610, DEC/10000, DEC/1000 Model 610 OSF/1 Version T2.0
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Interactive SQL (FIPS Default) INFORMIX DB-Access	

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7081; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 HP/Alsys Ada/700 Version A.05.35	HP9000 Series 635, 645, 705, 710, 715/ 33, 715/50, 720, 725/50, 730, 735, 750, 755, 807, 815, 817, 822, 825, 827,
	INFORMIX-OnLine/ Secure-C2 V. DR6.00; NIST-94/7087; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00 Hewlett Packard C Version A.08.71	832, 834, 835, 837, 842, 845, 847, 850, 852, 855, 857, 860, 865, 867, 870, 870/ 200, 870/300, 870/400,
	INFORMIX-OnLine/ Secure-B1 V.5.00; NIST-94/7085; 1/1/95;	Interactive SQL (FIPS Default) INFORMIX DB-Access	877, 887, 890/1, 890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50 HP-UX V. A.08.09
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7089; 1/1/95;		
	Hewlett Packard 9000/720; HP-UX V. A.08.09		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7091; 1/1/95;	Embedded Ada Module Ada INFORMIX-Ada/SAME Version 5.00 Verdix VADS IBM RISC System/6000 AIX 3.2 V. 6.1	RISC System/6000 Powerstation/ Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC
	INFORMIX-OnLine/ Secure-C2 V. DR6.00; NIST-94/7098; 1/1/95;	Embedded C INFORMIX-ESQL/C Version 5.00	System/6000 Power- server 25S, 930, 950, 970, 990
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7095; 1/1/95;	IBM AIX XL C Compiler/6000 Version 1.02 Interactive SQL (FIPS Default) INFORMIX DB-Access	AIX Version 3.2 AIXCMW Version 3.2
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7099; 1/1/95;		
	IBM POWERstation 320; AIXCMW Version 3.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		

# SQL PROCESSORS, *Continued*

SQL -  
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Ingres, The ASK Group	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7501; 10/1/94;  SUN SparcStation2; SunOS V. 4.1.3  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Verdix Ada, Version 6.0.3 Embedded C SUN C V. 1.0 Embedded FORTRAN SUN Fortran V. 1.4	ESQL/Verdix Ada, Rel. 6.5 ESQL/C Rel. 6.5 ESQL/FORTRAN Rel.6.5
	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7502; 10/1/94;  VAX 6000-410; VAX/VMS V. 5.5  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada VAX Ada, V. 2.0-18 Embedded C VAX C, V. 3.1-051 Embedded FORTRAN VAX FORTRAN, Version 4.5-219	ESQL/Ada, Rel 6.5 ESQL/C, Rel. 6.5 ESQL/FORTRAN, Rel.6.5
	ASK INGRES SQL, Rel. 6.5 Pre-release; NIST-93/7503; 10/1/94;  IBM RISC System 6000, Model 530; IBM AIX for RISC System 6000 V. 3.2.3  Features Tested: Level 2 ANSI Enhancement Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C IBM XL C Compiler Version 1.2 Embedded FORTRAN IBM XL FORTRAN Compiler V. 2.2	ESQL/C Rel. 6.5 ESQL/FORTRAN Rel. 6.5
Oracle Corporation	ORACLE7, Release 7.0; NIST-93/7101; 11/1/95;  IBM RISC System 6000 Model 530H; IBM AIX for RISC System/6000, V.3 Rel.2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V.1.5 VADS IBM RISC System/6000, AIX 3.2, VAda 110- 7171, Version 6 Embedded C Pro*C, V. 1.5 IBM XL C Compiler/ 6000, Version 1.2	IBM RISC System 6000 Models 220, 320, 320H, 340, 350, 520, 520H, 540, 550, 560, 730, 930, 950, 970 AIX for RISC System/ 6000, V. 3 Rel. 2



# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	ORACLE7, Release 7.0; NIST-93/7102; 11/1/95;  NCR 3450; NCR System V Rel. 4 MP- RAS, Rel. 2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, V. 1.5 NCR C Development Toolkit, Rel 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7103; 11/1/95;  NCR 3550; NCR System V Rel. 4 MP- RAS, Rel. 2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded C Pro*C, Ver. 1.5 NCR C Development Toolkit, Rel. 2	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7104; 11/1/95;  NCR 3450; NCR System V Rel. 4 MP- RAS, Rel. 2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, Ver. 1.5 Verdix Corp. VADS UNIX System V/386, Rel. 4, Version 6.1	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2
	ORACLE7, Release 7.0; NIST-93/7105; 11/1/95;  NCR 3550; NCR System V Rel. 4 MP- RAS, Rel. 2  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Embedded Ada Pro*Ada, V. 1.5 Verdix Corp. VADS UNIX System V/386, Rel. 4, V. 6.1	NCR Series 3000, to include 3335, 3345, 3447, 3550, 3600 NCR System V Rel. 4 MP-RAS, Rel. 2

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Trusted ORACLE7, Release 7.0; NIST-93/7106; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Ver. 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/807; HP-UX BLS, V. 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Trusted ORACLE7, Release 7.0; NIST-93/7107; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, V. A.05.35 Embedded C Pro*C, V. 1.5 HP C HP 92453-01, V. A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/817; HP-UX BLS, V. 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Trusted ORACLE7, Release 7.0; NIST-93/7108; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, Version 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xxx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/847; HP-UX BLS, V. 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Trusted ORACLE7, Release 7.0; NIST-93/7109; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 Alsys Ada HP-B2425, Version A.05.35 Embedded C Pro*C, V. 1.5 HP C HP 92453-01, Version A.08.17	HP 9000/7xx HP-UX BLS Rel. 8.09 HP 9000/8xx HP-UX BLS Rel. 8.08
	Hewlett-Packard 9000/867; HP-UX BLS, Version 8.08		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		

SQL PROCESSORS, *Continued*SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	Trusted ORACLE7, Release 7.0; NIST-93/710A; 11/1/95;	Embedded Ada Pro*Ada, V. 1.5 AlsyComp_034, Version 5.1 Embedded C Pro*C, V. 1.5 SecureWare CMW+ Version 2.2 Native C	
	Zenith Data Systems Z-Station 433 DEH; SecureWare CMW+, Version 2.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
	Oracle7, Release 7.0; NIST-94/7021; 1/1/95;	Embedded C Pro*C, Version 1.5 DEC OSF/1 AXP Compiler Driver 3.11 Embedded COBOL Pro*COBOL, V. 1.5 Micro Focus COBOL V3.1 for DEC OSF/1 AXP Embedded FORTRAN Pro*Fortran, V. 1.5 DEC Fortran V. T3.4	DEC 2000, DEC 4000, DEC 6000, DEC 7000 DEC OSF/1 (T2.0-2)
	DEC 3000; DEC OSF/1 (T2.0-2)		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
Praxis International Inc.	Model 204 Advantage/SQL, Version 1 Release 1; NIST-94/7001; 1/1/95;	IBM 9221-170 MVS/ESA Rel. 4.2.2	
	Embedded COBOL; COBOL II V. 1.3.2		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		
	Model 204 Advantage/ SQL, V. 1 Rel. 1; NIST-94/7002; 1/1/95;	IBM 4381-T92 VM/XA Release 2.1	
	Embedded COBOL; COBOL II V. 1.3.2		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		



# SQL PROCESSORS, Continued

SQL -  
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
Progress Software Corporation	Progress ESQL, Version 7 SDK; NIST-93/7421; 11/1/94;  SUN SPARCstation ELC; SunOS Version 4.1.2  Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger  Progress ESQL Version 7 SDK; NIST-93/7422; 11/1/94;  BBC 486; SCO UNIX System V/386 V. 3.2  Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger  Progress ESQL Version 7 SDK; NIST-93/7423; 11/1/94;  BBC 486; MS-DOS V. 5.0  Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger	Embedded C Native C, bundled with SunOS V. 4.1.2          Embedded C Microsoft C for UNIX Version 6          Embedded C Microsoft C/C++ Version 7	
Sybase, Inc.	Sybase System 10/ Beta Version Pre-release; NIST-93/7061; 9/1/94;  HP 9000/I 40; HP-UX 9.0  Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Schema Processor Sybase Interactive SQL (isql) System 10 Version 10 Embedded C System 10 Beta Version cc bundled with HP-UX 9.0 Operating System	HP 9000/H 30 HP-UX 9.0

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 Version 10.0; NIST-93/7062; 10/1/94;</p> <p>Client: NCR 3550 NCR OS V. 2.00.02 Server: NCR 3550 NCR OS V. 2.00.02</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Metaware High C Release 2.3 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>NCR 3000 Series NCR SVR 4 2.x</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7063; 10/1/94;</p> <p>Client: Sun 4/65 Sun Solaris V. 2.2 Server: Sun 4/65 Sun Solaris V. 2.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 Version 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Sparc Compiler C Version 2.0 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all Sun4, Sparc- station 10, Sparc- server 600 series Sun Solaris 2.2</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7064; 10/1/94;</p> <p>Client: IBM RS/6000 Model 520 IBM AIX Version 3.2 Server: IBM RS/6000 Model 520 IBM AIX V. 3.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 Ver 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 IBM AIX XLC V. 1.2 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler 3.1 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>IBM RS6000 IBM AIX Versions 3.2 &amp; 3.2.4</p>

# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 Version 10.0; NIST-93/7065; 10/1/94;</p> <p>Client: HP 9000/827 HP-UX A.09.00 Server: HP 9000/827 HP-UX A.09.00</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 HP Native C, HP C A.09.30 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 HP COBOL V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>HP 700 Series, HP 800 Series HP-UX A.09.00</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7066; 10/1/94;</p> <p>Client: Sun Sparcserver 690 SunOS 4.1.3 Server: Sun Sparcserver 690 SunOS 4.1.3</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 GCC V. 2.3.1 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Microfocus COBOL Compiler V. 3.0 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all Sun4, Sparc- station 10, Sparc- server 600 series SunOS 4.1.3</p>
	<p>Sybase System 10 Version 10.0; NIST-93/7067; 10/1/94;</p> <p>Client: DEC VAX 6000-450 Vax/VMS 5.4-1 A Server: DEC VAX 6000-450 Vax/VMS 5.4-1 A</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 Vax C V. 3.1 Embedded COBOL Sybase ESQL/COBOL System 10 V. 10.0 Vax COBOL V. 5.1 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all DEC Vax running OS level Vax/VMS 5.4</p>



# SQL PROCESSORS, *Continued*

SQL -  
Certificates

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>Sybase System 10 Version 10.0; NIST-93/7068; 10/1/94;</p> <p>Client: DEC 3000 Model 500 OSF/1 Version 1.2 Server: DEC 3000 Model 500 OSF/1 Version 1.2</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Schema Processor Sybase Interactive SQL (isql) System 10 V. 10.0 Embedded C Sybase ESQL/C System 10 V. 10.0 DEC OSF/AXP C 3.11 Other Software Sybase SQL Server System 10 V. 10.0</p>	<p>all DEC AXP running OS level below Dec OSF/1 V. 1.2</p>
Unisys Corporation	<p>RDMS 2200, Release Level 6R2 (SB5R2), Pre-release; NIST-93/7461; 12/1/94;</p> <p>2200/444 System; OS 2200 V. SB5R2 (EXEC 44R2) [OS 1100 is renamed OS 2200]</p> <p>Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded C UCS C (UC) V. SB5R2 3.11 Embedded COBOL UCS COBOL (UCOB) Version SB5R2 Module Fortran UCS Fortran (UFTN) Version SB5R2</p>	<p>1100/90, 2200/ 500, 2200/600, 2200/900 OS 2200 V. SB5R2 (EXEC 44R2)</p>
White Cross Systems Ltd.	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7251; 12/31/94;</p> <p>Client: Custom- built 80486-based PC MICROSOFT MS-DOS Version 5.00 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Rel. 1.0.0 MICROSOFT C/C++ Optimizing Compiler Version 7.00 Communications FTP PC/TCP V. 2.05 (over Ethernet)</p>	

# SQL PROCESSORS, *Continued*

SQL -  
Certificate

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS
	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7252; 12/31/94;</p> <p>Client: NeXTstation NeXTSTEP Release 3.0 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 NeXTSTEP Objective C Release 3.0 Communications TCP/IP software bundled with OS (over Ethernet)</p>	
	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7253; 12/31/94;</p> <p>Client: Custom- built 80486-based PC SCO UNIX SYSTEM V/386 Development System Release 3.2 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 C Optimizing Compiler V. 5.10 Communications TCP/IP software bundled with OS (over Ethernet)</p>	
	<p>WHITE CROSS 9000 Release 1.0.0; NIST-93/7254; 12/31/94;</p> <p>Client: SPARCstation IPX SunOS Release 4.1.2 Server: WHITE CROSS 9000 Model WCS/9010</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults</p>	<p>Embedded C WHITE CROSS 9000 Client Utilities Release 1.0.0 SPARCCompiler C V. 2.0.1 Communications TCP/IP software bundled with OS (over Ethernet)</p>	

## SQL PROCESSORS, Continued

SQL -  
Registered Reports

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
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## FIPS 127-2 - ONE OR MORE NONCONFORMITIES

[Entry FIPS 127-2 exceeds requirements for FIPS 127-1 with Integrity Enhancement Option]

No entries for this quarter.

## FIPS 127-1 - ONE OR MORE NONCONFORMITIES

Informix Software, Inc.	INFORMIX-OnLine Version 5.02; NIST-94/7043; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.02 Micro Focus COBOL for UNIX 3.0.54-Be	SPARCstation 2, 10, 10 model 30 41 42, SPARCserver 690, 690MP, 1000, 2000, SPARCcenter 2000
	Sun SPARCstation 10; SunOS Version 4.1.3_DBE1.3	Embedded Fortran INFORMIX-ESQL/ FORTRAN V.5.02 SPARCCompiler	SunOS V. 4.1.3 SunOs Version 4.1.3_DBE1.3;
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger	Fortran V. 2.0.1	4 COBOL 1 Fortran
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7082; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.00 ACUCOBOL-85 Version 2.1.2	HP9000 Series 635, 645, 705, 710, 715/33, 715/50, 720, 725/50, 730, 735, 750, 755,
	INFORMIX-OnLine/ Secure-C2 V.DR6.00; NIST-94/7088; 1/1/95;	Embedded Fortran INFORMIX-ESQL/ FORTRAN V.5.00 HP Fortran/9000s 700 V. A.08.07	807, 815, 817, 822, 825, 827, 832, 834, 835, 837, 842, 845, 847, 850, 852,
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7086; 1/1/95;		867, 870, 870/ 200, 870/300, 855, 857, 860, 865, 870/400, 877, 887, 890/1,
	INFORMIX-OnLine/ Secure-B1 V.DR6.00; NIST-94/7080; 1/1/95;		890/2, 890/3, 890/4, 897, F10, F20, F30, G30, G40, G50, H20, H30, H40, H50, I30, I40, I50
	Hewlett Packard 9000/720 HP-UX; Version A.08.09		HP-UX V. A.08.09;
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		4 COBOL 1 Fortran



# SQL PROCESSORS, Continued

SQL -  
Registered Reports

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
	INFORMIX-OnLine/ Secure-C2 V. 5.00; NIST-94/7092; 1/1/95;	Embedded COBOL INFORMIX-ESQL/ COBOL V. 5.00 MicroFocus COBOL for UNIX, Version 3.1.31	RISC System/6000 Powerstation/ Powerserver 220, 250, 25T, 25W, 320H, 340, 350, 520H, 530, 530E, 540, 550, 560, 560F, 570, 580, 58H, 590, 730, RISC
	INFORMIX-OnLine/ Secure-C2 V. DR6.00 NIST-94/7097; 1/1/95;	Embedded Fortran INFORMIX-ESQL/ FORTRAN V. 5.00 IBM AIX XL	System/6000 Powerserver 25S, 930, 950, 970, 990 AIX Version 3.2 AIXCMW V. 3.2;
	INFORMIX-OnLine/ Secure-B1 V. 5.00; NIST-94/7096; 1/1/95;	Fortran Compiler/ 6000 V. 2.03.0	
	INFORMIX-OnLine/ Secure-B1 V. DR6.00; NIST-94/7090; 1/1/95;		4 COBOL 1 Fortran
	IBM POWERstation 320; AIXCMW Version 3.2		
	Features Tested: Level 2 ANSI SQL Integrity Enhancement Option FIPS Sizing Defaults FIPS Flagger		
Software AG	ADABAS SQL Server Version 1.1; NIST-93/7201; 12/31/94;	Embedded C ADABAS V. 1.2 HP C V. A.08.17	10 C
	HP 9000/817; HP/UX A.08.02		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		
	ADABAS SQL Server Version 1.1; NIST-93/7202; 12/31/94;	Embedded COBOL ADABAS V. 1.2 HP Micro Focus COBOL/2, V. 1.1 Rev. 002	10 COBOL
	HP 9000/817; HP/UX A.08.02		
	Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger		

# SQL PROCESSORS, *Continued*

SQL -  
Registered Reports

VENDOR	PROCESSOR ID; VSR#; SUBSET; & EXPIRY DATE; HARDWARE; OPERATING SYS.	INTERFACES & COMPILERS	OTHER HW/SW ENVIRONMENTS; NONCONFORMITIES
	<p>ADABAS SQL Server Version 1.1; NIST-93/7203; 12/31/94;</p> <p>Hitachi HDS/EX90; MVS/ESA V. 4.2.2</p> <p>Features Tested: Level 2 ANSI SQL FIPS Sizing Defaults FIPS Flagger</p>	<p>Embedded COBOL ADABAS V. 5.3 COBOL II, V.3.2</p>	<p>10 COBOL</p>





## 4. GRAPHICS CONFORMANCE TESTING

### 4.1 FIPS GKS Standard

The Graphical Kernel System (GKS) is a two-dimensional graphics tool box which provides for the display and manipulation of pictures and graphical input from the operator. The purpose of GKS is to promote portability of graphics applications for use on a variety of graphics workstations. It provides a functional interface between an application program and a configuration of graphical devices. The interface is at such a level of abstraction that hardware peculiarities are shielded from the application program.

FIPS PUB 120-1, GKS, is the first Federal Information Processing Standard Publication (FIPS PUB) registered for computer graphics systems. In accordance with FIPS PUB 120-1, two-dimensional graphics toolbox packages acquired for Federal use after November 3, 1986 should implement FIPS GKS. Conformance testing of GKS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 120-1 requires that GKS implementations offered to Federal agencies be tested using the NIST Test Suite to ensure that a particular implementation meets the specifications of the FIPS. The GKS Validation Test Suite (Fortran) is available from:

Ms. Susan Sherrick  
National Institute of Standards and Technology  
Building 225, Room A266  
Gaithersburg, MD 20899  
(301) 975-3268

#### 4.1.1 Organization of GKS Entries

The entries in the VPL for GKS implementations are presented as follows:

- The VENDOR ID column contains the name of the Vendor of the implementation.
- The GKS NAME column contains the name of the implementation, its version number, the VSR number, and the Expiry date of the certificate of validation.
- The HARDWARE & OP. SYSTEM column presents the hardware and operating system environment used during the validation.
- The GRAPHICS DEVICES column includes the graphics devices that were validated.
- The GKS LEVEL column indicates the level of GKS that was validated.
- The entries in the OTHER HW/OS column include other hardware and operating system environments in which the processor operates.
- The NONCONFORMITIES column indicates whether or not the GKS implementation conforms to the applicable FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for details of the nonconformities.

## 4.2 FIPS PHIGS Standard

PHIGS stands for Programmer's Hierarchical Interactive Graphics System. PHIGS is a system for interactive 3-dimensional (3D) graphics applications that provides programmers with a set of features enabling them to manipulate and display complex 3D objects. It is called hierarchical because the complex objects can be built up from simpler objects. PHIGS also provides a rich set of facilities for real-time interaction with the user. While it borrows many concepts from the Graphical Kernel System (GKS) standard, it also introduces many new features, such as a "graphics data base" (the centralized structure store), and support for modeling and viewing.

In accordance with FIPS PUB 153, (PHIGS), 3D graphics packages acquired for Federal use should implement FIPS PHIGS. Conformance testing of PHIGS implementations protects Federal investment by ensuring adherence to the graphics standard. FIPS PUB 153 requires that PHIGS implementations offered to Federal agencies be tested using the NIST PVT (PHIGS Validation Tests) test suite. The test suite ensures that a particular implementation meets the specifications set forth in the FIPS. The PHIGS PVT test suite is available from:

Project Leader, PHIGS Validation Tests  
National Institute of Standards and Technology  
Computer Systems Laboratory  
Bldg. 225, Room A-266  
Gaithersburg, MD 20899  
phone: (301) 975-3265  
e-mail: phigs@speckle.ncsl.nist.gov

### 4.2.1 Organization of PHIGS Entries

The entries in the VPL for PHIGS implementations are as follows:

- The **VENDOR** column contains the name of the vendor of the implementation.
- The **PHIGS name** column contains the name of the implementation, its version number, the Validation Summary Report (VSR) number, and the expiry date of the certification of validation.
- The **HARDWARE & OP.SYSTEM** column presents the hardware and operating system environment used during the validation.
- The **GRAPHICS DEVICES** column includes the graphics devices that were validated.
- The entries in the **REGISTERED ENVIRONMENTS HW/OS** column includes registered hardware and operating systems for the implementation tested. The vendor of the implementation has certified that the identified processor, when operating under the environments included in this column, produces the same test results exhibited during the validation. Test results and other information from these environments may be required as evidence for entries to be included in this column.
- The **NONCONFORMITIES** column indicates whether or not the PHIGS implementation conforms to the FIPS in one or more cases as evidenced by the validation. The VSR should be reviewed for more details of the nonconformities.



### **4.3 FIPS CGM Standards**

The FIPS 128-1, Computer Graphics Metafile (CGM) is a data interchange standard for the storage and retrieval of picture information in a device independent manner. The purpose of the CGM is to facilitate the transfer of graphical information among different computer systems, devices and/or applications.

The FIPS 128-1 requires the use of a CGM application profile. In particular, the Military Specification MIL-D-28003A, commonly known as the CALS CGM profile, is required for Federal government applications when the representation of graphical information in digital form is to be used in technical illustrations and publications, or when the use of a general-purpose, graphical interchange mechanism is required.

NIST offers two CGM Test Services: metafile testing and generator testing. The purpose of the Test Services is to determine the degree to which the metafile or CGM generator conforms to the FIPS 128-1 and the CALS profile. Presently, the Test Service addresses only CGM Version 1.

#### **4.3.1 CGM Test Labs and Test Suite**

CGM Validation Testing is available from the National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL).

National Institute of Standards and Technology  
CGM Test Service  
Building 225, Room A266  
Gaithersburg, MD 20899  
(301) 975-3265

The CGM Validation Test Software is based on CTS/Metacheck, version 2.10 and is available for purchase from

CGM Technology Software  
1527 Route 12, Box 648  
Gales Ferry, CT 06335  
(203) 464-2623

#### **4.3.2 Certificate of Validation**

For metafile testings, a certificate of validation is issued for those CGM files that have been tested and are in compliance with the FIPS 128-1 and MIL-D-28003A. Conformance of a metafile does NOT necessarily imply conformance of the CGM generator, CGM interpreter, or other CGMs created on the same hardware and software platform.

For generator testing, a certificate of validation is issued for a CGM generator that has been tested and is in compliance with the FIPS 128-1 and MIL-D-28003A.

#### **4.3.3 Validated Metafiles**

The metafiles presented in Section 4.6 have been tested for conformity with FIPS PUB 128 or MIL-D-28003. Each entry in the VPL is a very limited extract from the Validation Summary Report (VSR) available from NIST/CSL.



## **4.4 Raster Graphics Standards**

FIPS PUB 150 adopts EIA-538 which defines the facsimile coding schemes and their control functions for Group 4 facsimile apparatus, i.e., ITU-T (formerly CCITT) Recommendation T.6. It defines a standard compression algorithm (T.6 - Group 4) suitable for the storage, retrieval, and interchange of raster graphics images.

Military Specification MIL-R-28002 specifies the structure and encoding of raster data files to be delivered to the government. It specifies the use of the standard compression algorithm defined in FIPS PUB 150. It also specifies the use of standard file headers which are defined in MIL-STD-1840. MIL-STD-1840 standardizes the format and structure of digital technical data files for the purpose of interchange between organizations or systems.

### **4.4.1 Certificate of Validation**

The Raster Graphics Validation Test Service tests an implementation's capability of both receiving and generating raster graphics data conforming to the specifications in FIPS PUB 150 and MIL-R-28002.

A certificate of validation is issued for an implementation that passes the validation test and conforms to FIPS PUB 150 and MIL-R-28002.

### **4.4.2 Information Pack**

Upon request, a Raster Graphics Validation Test Information Pack is available from:

National Institute of Standards and Technology (NIST)  
Computer Systems Laboratory  
Raster Graphics Validation Test Service  
Technology Building, Room A266  
Gaithersburg, MD 20899  
Telephone (301) 975-3265

## 4.5 GKS IMPLEMENTATIONS

GKS -

VENDOR	GKS NAME; EXPIRY DATE; VSR #; LEVEL	HARDWARE; OPERATING SYSTEM	GRAPHICS DEVICES; REGISTERED ENVIRONMENTS
Advanced Technology Center	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/967; Level 2c	NCR 3450; Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/968; Level 2c	NCR 3550; Unix System V Release 4	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/969; Level 2c	IBM RS6000 Model 220; AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/970; Level 2c	IBM RS6000 Model 530H; AIX 3.2	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/971; Level 2c	HP-9000/817; HP-UX 8.08	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/972; Level 2c	HP-9000/827; HP-UX 8.02	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);
	GRAFPAC-GKS Release 4.0; 12/1/94; NIST/NCC-92/974; Level 2c	Sun Sparcstation 1; Solaris 2.1	X Window System V11 PostScript Portrait Oriented Workstation (using QMS PS 810 Laser Printer);

## 4.6 COMPUTER GRAPHICS METAFILES

CGM

CLIENT	VSR # & DATE; #CGM Submitted/Conforming	CGM/SIZE/DATE; GENERATOR	PLATFORM (As reported by Vendor)
Interleaf, Inc El Segundo, CA	NIST-M-92/003-001 9/2/92; 1/1	asg.cgm 8880 8/31/92; Interleaf Inc MDL/G	Interleaf 5 v5.3, HP9000/700, HP UX v8.07
IBM Corporation Federal Sector Division Oswego, NY	NIST-M-92/005-002 10/28/92; 5/5	gcgm_i220.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	IBM RS6000 Model 220, AIX 3.2
		gcgm_i530.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	IBM RS6000 Model 530, AIX 3.2
		gcgm_n345.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	NCR 3450, NCR UNIX SVR4
		gcgm_n355.cgm 5280 10/27/92; GRAFPK-CGM 1.1.2	NCR 3550, NCR UNIX SVR4
		gks_i530.cgm 23680 10/27/92; GRAFPK-GKS 4.0	IBM RS6000 Model 530, AIX 3.2
ESRI Boulder CO	NIST-M-93/006-003 1/26/93; 5/5	sun.cgm 181680 1/19/93; ARC/INFO	SUN SparcStation, Sun OS 4.1.3
		ibm.cgm 181680 1/19/93; ARC/INFO	IBM RS6000, AIX 3.2
		dg.cgm 181680 1/19/93; ARC/INFO	Data General AViiON, DG/UX 5.4.1
		dec.cgm 181680 1/19/93; ARC/INFO	DecStation 5000, ULTRIX 4.2a
		sgi.cgm 181680 1/19/93; ARC/INFO	Silicon Graphics Indigo, IRIX 4.0.2
EDS Herndon, VA	NIST-M-93/007-004 1/29/93; 3/3	demo5.cgm 13280 1/28/93; GRAFPK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
		demo7.cgm 5360 1/28/93; GRAFPK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1
		demo8.cgm 3840 1/28/93; GRAFPK-GKS 4.0	SPARCStation 10 Model 30, Solaris 2.1



## 4.7 PHIGS APPLICATIONS

No entries at this time.



## **5. U.S. GOSIP TESTING PROGRAM REGISTER DATABASE SYSTEM (GRD)**

### **5.1 Description**

The United States Government Open Systems Interconnection Profile (GOSIP) Testing Program was defined to assist Federal Agencies in assuring conformance to the GOSIP Standard. Testing for conformance to the Open Systems Interconnection (OSI) standards and for interoperability with other OSI implementations is available.

NISTIR 4594, "GOSIP Conformance and Interoperation Testing and Registration" establishes the framework for the establishment of registers for Test Suites, Test Systems (Means of Testing), Conformance Testing Laboratories, and Interoperability Testing Services.

### **5.2 U.S. GOSIP Register Database (GRD)**

The U.S. GOSIP Register Database (GRD) is an online database facility developed by NIST. It provides up-to-date reference information for the following list of registers:

1. U.S. GOSIP Abstract Test Suites (ATS).
2. Assessed Means of Testing (MOT).
3. NVLAP Accredited Test Laboratories.
4. Conformance Tested GOSIP Products.
5. Interoperability Test Suites (ITS) for OSI Products.
6. Reference Entities for Means of Testing Assessment(s).
7. Interworking GOSIP Products.
8. Interoperability Test and Registration Services.

### **5.3 How To Access the GOSIP Register Database (GRD)**

The GOSIP register files available for downloading are now located a different host. These files are available via anonymous ftp over the internet from:

Host Name: huachuca-jitcosi  
IP Address: 138.27.7.2

Files are available in both ASCII (.ask) and WordPerfect 5.1 (.w51) formats. Just login with "anonymous" and use your internet address for the password. For .w51 files, binary transfer is required.



For any questions, problems or comments dealing with the GRD or the U.S. GOSIP Testing Program please contact:

Ken Thomas  
Joint Interoperability Test Center - TCBB  
Fort Huachuca, AZ 85613-7020  
(602) 538-5170  
e-mail: C3A-TCB@huachuca-EMH2.army.mil

## 5.4 GOSIP REGISTERS

### 5.4.1 REGISTER OF CONFORMANCE TESTING LABORATORIES

Conformance testing laboratories for the U.S. GOSIP Testing Program are listed here. All registered laboratories are deemed qualified to conduct conformance testing for U.S. GOSIP, for the test method identified.

Lab Code: 0354

Lab: Control Data Corporation, OSI Accredited Test Center  
4201 North Lexington Avenue  
Arden Hills, MN 55126-6198

Contact: Ronald D Swan  
Tel: (612) 482-6257  
Fax: (612) 482-3616

Scope of Registration:

X.400-1984 MHS: P2/P1/RTS/(Session), CCITT X.400-1988  
MHS: P2/P1/RTSE/ACSE/Presentation(Session), TP4, TP2/  
TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0355

Lab: Bull HN Conformance Test Center  
13430 N Black Canyon Hwy, P.O. Box 8000  
Phoenix, AZ 85029

Contact: Oscar V Hefner  
Tel: (602) 862-6001  
Fax: (602) 862-6051

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/  
RTS/(Session), CCITT X.400-1988 MHS: P2/P1/RTSE/ACSE/  
Presentation(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC

Type of Lab: LAP-B  
Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0357

Lab: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom

Contact: A. E. J. Pink  
Tel: +44 61 228 633  
Fax: +44 61 236 4715

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/  
P1/RTS/(Session), CCITT X.400-1988 MHS: P2/P1/RTSE/  
ACSE/Presentation(Session), Session, TP4, TP2/TP0, CLNP

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0362

Lab: Digital Equipment Corporation, OSI Conformance  
Interoperability Test Center  
550 King Street, MS LKG2A-R05  
Littleton, MA 01460-1289

Contact: Richard A Duhamel  
Tel: (508) 486-5021  
Fax: (508) 486-7417

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/  
P1/RTS/(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0363

Lab: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031

Contact: Andrea Reitzel  
Tel: (703) 205-2809  
Fax: (703) 846-8590

Scope of Registration:

FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/  
RTS/(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

# GOSIP REGISTERS, *Continued*

Lab Code: 0364

Lab: CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Contact: Kevin P Murray  
Tel: (703) 821-1858  
Fax: (703) 821-9859

Scope of Registration:  
FTAM/ACSE/Presentation/(Session), X.400-1984 MHS: P2/  
P1/RTS/(Session), TP4, TP2/TP0, CLNP, X.25: PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0365

Lab: Hewlett-Packard Company, OSI Conformance Test Center  
19420 Homestead Road, MS 43UJ  
Cupertino, CA 95014-9810

Contact: Murali Subbarao  
Tel: (408) 447-2822  
Fax: (408) 447-2697

Scope of Registration:  
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/  
P1/RTS(Session), Session, TP4, TP2/TP0, CLNP

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0367

Lab: UNISYS - Open Systems Interconnection Laboratory  
P.O. Box 203, 2450 Swedesford Road  
Paoli, PA 19301

Contact: Andrew Kalish  
Tel: (215) 993-7044  
Fax: (215) 993-7425

Scope of Registration:  
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/  
P1/RTS/(Session), TP4, TP2/TP0, CLNP, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-JUL-94

Lab Code: 0370

Lab: Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78430 Les Clayes/Bois France

Contact: Gerard Vanderschooten  
Tel: +33 1 30 80 68 11  
Fax: +33 1 3080 7879

Scope of Registration: X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-94

Lab Code: 0371

Lab: Alcatel TITN Test Center  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101

Contact: Scott M Schmitz  
Tel: (510) 484-5764  
Fax: (510) 484-4078

Scope of Registration:  
FTAM/ACSE/Presentation, X.400-1984 MHS: P2/P1/RTS,  
Session, TP4, TP2/TP0, CLNP

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-OCT-94

Lab Code: 0385

Lab: Dept of Defense, Joint Interoperability Test Center  
ATTN: TCDBA, Building 57305  
Ft. Huachuca, AZ 85613-7020

Contact: Kenneth Thomas  
Tel: (602) 538-5170  
Fax: (602) 538-4375

Scope of Registration:  
FTAM/ACSE/Presentation(Session) X.400-1984 MHS: P2/P1/  
RTS/(Session), Session, TP4, TP2/TP0, CLNP, 8802.2/  
8802.3, X.25:PLP/HDLC LAP-B

Type of Lab: Confrmnce

Registration Type: FULL

Registered Until: 01-APR-94



## GOSIP REGISTERS, *Continued*

Lab Code: 0392

Lab: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy

Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281  
Fax: 39 6 5966-2467

Scope of Registration:  
FTAM/ACSE/Presentation(Session), X.400-1984 MHS: P2/P1/  
RTS/(Session), Session, TP4, TP2/TP0, CLNP, CCITT X.25:  
PLP/HDLC LAP B

Type of Lab: Confmnce

Registration Type: FULL

Registered Until: 01-OCT-94

Lab Code: 0394

Lab: Telecommunications Laboratories Test Center  
P.O. Box 71  
Chung-Li, 320  
Taiwan

Contact: Ching-Sung Lu  
Tel: +886 3 424-4377  
Fax: +886 3 490-4464  
Email:

Scope of Registration:  
X.400-1984 MHS: P2/P1/RTS/(Session),  
FTAM/ACSE/Presentation  
(Session), Session, TP4, TP2/TP0, CLNP

Type of Lab: Confmnce

Registration Type: FULL

Registered Until: 01-OCT-94

### 5.4.2 REGISTER OF APPROVED US GOSIP MOT VALIDATION LABORATORIES

Lab Code: 0385

Lab: Dept of Defense, Joint Interoperability Test Center  
ATTN: TCDBA, Building 57305  
Ft. Huachuca, AZ 85613-7020

Contact: Kenneth Thomas  
Tel: (602) 538-5170 Fax: (602) 538-4375  
email: ThomasK@cc.ims.disa.mil

Type of Lab: MOT Calibration

Register Type: (Full or Provisional): Full

Expires: 01-MAR-96

Scope: FTAM/ACSE/Presentation (Session), Session, TP4, TP2,  
TP0, CLNP, 8802-28802-3. X.25 PLP/HDLC, LAP-B, MHS

Comments:

RNE Accrediation Number: 77.90/01

Laboratory Name: ACERLI  
5 Voie Verte  
92260 Fontenay-aux-Roses  
France

Contact: J.P. Baconnet Tel: +33 1 46 38 35 08  
Fax: +33 1 46 38 82 05

Type of Lab: MOT Calibration

Register type: Full

Expires: 01-MAR-96

Scope of Registration: FTAM, MMS, 8804-4

Lab Code: N/A 77.90/01

Lab: ACERLI  
5 Voie Verte  
92260 Fontenay-aux-Ros  
France

Contact: J-P Baconnet  
Tel: +33 1 46 38 35 08 Fax: +33 1 4638 8205  
Email:

Type of Lab: MOT Calib

Register Type: Full

Expires: 01-MAR-96

Scope: &SCOPE

Comments: &COMMENTS

## GOSIP REGISTERS, *Continued*

### 5.4.3 GOSIP Register Database: Conformance Tested Products

Product Code/Type: P-001 WAN Product ID: 173  
Supplier: ALCATEL Data Networks, Inc.  
12502 Sunrise Valley Drive  
Reston, VA 22096  
Contact: K. Trumble  
Tel: (703) 689-6287 Fax:  
Email:  
GOSIP Product: TP8000 Network Release 6  
Version/Release: Release 6  
Release Date: 08-JUN-93  
Additional Info:  
Registration: FULL, GOSIP Version 2  
Date: 19-JUL-93 Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms:  
HW: TP8000  
OS: Network Release 6  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0090  
RS-232C  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:2-2 AND ATS:2-1  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 174  
Supplier: ALCATEL Data Networks, Inc.  
12502 Sunrise Valley Drive  
Reston, VA 22096

Contact: K. Trumble  
Tel: (703) 689-6287 Fax:  
Email:

GOSIP Product: TP4900/LPM Network Release 6  
Version/Release: Release 6  
Release Date: 08-JUN-93  
Additional Info:  
Registration: FULL, GOSIP Version 2  
Date: 19-JUL-93  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0156  
HW: TP4900/LPM  
OS: Network Release 6

Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: V.35  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:2-2 AND ATS:2-1  
Conformance Lab: CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 175  
Supplier: ALCATEL Data Networks, Inc.  
12502 Sunrise Valley Drive  
Reston, VA 22096  
Contact: K. Trumble  
Tel: (703) 689-6287 Fax:  
Email:

GOSIP Product: TP4900/TCP/CF Network Release 6  
Version/Release: Release 6  
Release Date: 08-JUN-93  
Additional Info:  
Registration: FULL, GOSIP Version 2  
Date: 19-JUL-93  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms: 0157  
HW: TP4900/TCP/CF  
OS: Network Release 6

Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: V.35  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1  
Conformance Lab: CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 1  
Supplier: AT & T Computer Systems  
307 Middletown - Lincroft Road  
Lincroft, NJ 07738

Contact: Reginald Lewis  
Tel: (908) 898-6005 Fax: (908) 898-3717  
Email:

GOSIP Product: A.T. & T. X.25 Network Interface Product  
Version/Release: Release 2.0  
Release Date: 01-JAN-91  
Additional Info:

Registration: PROV, Grndfthrd, V1->V2  
Date: 09-APR-91  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms: 0001  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: RS-232C, V.35, X.21bis  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles:  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0363

Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 91  
Supplier: Bull Information Systems Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Bill George  
Tel: (602) 862-6008 Fax: (602) 862-6105

GOSIP Product: DPX/2 B.O.S. (Stack B)  
Version/Release: Ver B.O.S. 2  
Release Date: 01-OCT-92  
Additional Info:

Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms: 0084

DPX/2 200 with MTB board, O/S B.O.S. 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0370

Conformance Expert Center for OSI Bull - CECOB

Rue Jean Jaures, B.P. 68

78340 Les Clayes/Bois France

Product Code/Type: P-001 WAN Product ID: 92  
Supplier: Bull Information Systems Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Bill George  
Tel: (602) 862-6008 Fax: (602) 862-6105

GOSIP Product: DPX/2 B.O.S. (Stack B)  
Version/Release: Ver B.O.S. 2  
Release Date: 01-OCT-92  
Additional Info:

Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms: 0085

DPX/2 200 with ECP Board, O/S B.O.S. 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0370

Conformance Expert Center for OSI Bull - CECOB

Rue Jean Jaures, B.P. 68

78340 Les Clayes/Bois France

Product Code/Type: P-001 WAN Product ID: 93  
Supplier: Bull Information Systems Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Bill George  
Tel: (602) 862-6008 Fax: (602) 862-6105

GOSIP Product: DATANET DCP 7500  
Version/Release: DNS Ver 4 U1  
Release Date: 01-JAN-92  
Additional Info:

Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms:

DCP 7500

O/S DNS Ver 4 Update 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0370

Conformance Expert Center for OSI Bull - CECOB

Rue Jean Jaures, B.P. 68

78340 Les Clayes/Bois France

Product Code/Type: P-001 WAN Product ID: 176  
Supplier: Cisco Systems  
1525 O'Brien Drive, P.O. Box 3075  
Menlo Park, CA 94026-1435

Contact: William Miskovetz  
Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: AGS+/3 X.25 Version 2.0  
Version/Release: Version 2.0  
Release Date: 13-JUL-93  
Additional Info:

Registration: FULL, GOSIP Version 2  
Date: 02-AUG-93  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms: 0158

HW: AGS+/3

OS: gs3-k 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 177  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: AGS+/4 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:

Registration: FULL, GOSIP Version 2

Date: 02-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0164

HW: AGS+/4

OS: gs3-k 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 178  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: CGS/3 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:

Registration: FULL, GOSIP Version 2

Date: 02-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms:

HW: CGS/3

OS: gs3-k 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab:

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 179  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: CGS/4 X.25 Version 2.0  
 Version/Release: Version 2.0

Release Date: 13-JUL-93

Additional Info:

Registration: FULL, GOSIP Version 2

Date: 02-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0160

HW: CGS/4

OS: gs3-k 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 180  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: IGS/R X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:

Registration: FULL, GOSIP Version 2

Date: 02-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0161

HW: IGS/R

OS: igs-kr 9.1(30)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 AND ATS:2-1

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 181  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: MGS/3 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 02-AUG-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0162  
 HW: MGS/3  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0090  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-2 AND ATS:2-1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 182  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: MGS/4 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 02-AUG-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0163  
 HW: MGS/4  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: RS-232C  
 Underlying Stack: None.  
 Underlying Product:  
 Protocols and Profiles: X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-2 AND ATS:2-1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603  
 USA

Product Code/Type: P-001 WAN Product ID: 221  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 688-4682 Fax: (415) 688-4575

GOSIP Product: CISCO 4000 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 14-MAR-94  
 Additional Info: None  
 Registration: FULL, GOSIP Version 2  
 Date: 24-FEB-94  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0188  
 CISCO 4000  
 CISCO O/S 9.21  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 234  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 326-1941 Fax:  
 GOSIP Product: CISCO 7000 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 17-JAN-94  
 Additional Info: Tested hardware platform is CISCO 7000. Vendor  
 claims hardware compatibility as listed.  
 Registration: FULL, GOSIP Version 2  
 Date: 10-MAR-94  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0197  
 H/W: CISCO 7000 & 7010  
 O/S: CISCO 9.21  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: V.35  
 Underlying Stack: N/A  
 Underlying Product: N/A  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



# GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 236  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435

Contact: William Miskovetz  
 Tel: (415) 326-1941 Fax:

GOSIP Product: CISCO 3104 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 17-JAN-94  
 Additional Info: Tested hardware platform is CISCO 3104. Vendor claims

hardware compatibility as listed.

Registration: FULL, GOSIP Version 2  
 Date: 16-MAR-94  
 Basis: BASE  
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0198  
 H/W: CISCO 3101, 3102, & 3104  
 O/S: CISCO 9.21

Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: V.35

Underlying Stack: N/A  
 Underlying Product: N/A

Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 & ATS:2-2

Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 31

Supplier: Control Data Corporation  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198

Contact: Ronald Swan  
 Tel: (612) 482-6527 Fax: (612) 465-4996

GOSIP Product: CDCNET  
 Version/Release: Ver 1.6.1 L780A  
 Release Date: 01-MAR-92  
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2  
 Date: 30-JAN-92  
 Basis: BASE  
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0046  
 CDCNET Device Interface

Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: RS-232C, X.21

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0354  
 Control Data Corporation, OSI Accredited Test Center  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198

Product Code/Type: P-001 WAN Product ID: 40  
 Supplier: Data General Corporation  
 4400 Computer Drive, MS/D216  
 Westborough, MA 01580  
 Contact: Charles Stakus  
 Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: X.25 for AViiON Systems  
 Version/Release: Rel 2.20  
 Release Date: 01-FEB-92  
 Additional Info:

Registration: PROV, Grndfthrd, V1->V2  
 Date: 18-FEB-92  
 Basis: BASE  
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0053  
 AViiON 5000/6000 Series  
 DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 204  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580

Contact: Peter Conway  
 Tel: (508) 898-5000 Fax: (508) 898-4212

GOSIP Product: X.25 for AViiON Systems  
 Version/Release: Version 2.40  
 Release Date: 01-OCT-93  
 Additional Info: Vendor claims support of 1988 X.25.

Registration: FULL, GOSIP Version 2  
 Date: 29-NOV-93  
 Basis: BASE  
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0172  
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,  
 AV8500, AV9000

OS: DG/UX System for AViiON Computers, Revision 5.4R2.10

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0090  
 RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS 2-2 and ATS 2-1

Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



# GOSIP REGISTERS, Continued

Product Code/Type: P-001 WAN Product ID: 242  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-5000 Fax: (508) 898-4212  
 GOSIP Product: X.25 for AViiON Systems  
 Version/Release: Version 3.00  
 Release Date: 01-APR-94  
 Additional Info: Tested HW platform is AViiON AV8500. Vendor claims HW compatibility as listed and support of 1988 CCITT X.25.  
 Registration: FULL, GOSIP Version 2  
 Date: 11-APR-94  
 Basis: BASE  
 Base Products: 242  
 Tested Hardware/Operating System Platforms: 0200  
 HW: AViiON AV500, AVV4000, AV5000, AV6000, AV7000, AV8000, AV8500, & AV9000  
 OS: DG/UX System for AViiON Computers, Revision 5.4R3.00  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 100  
 Supplier: Digital Equipment Corp  
 550 King Street  
 Littleton, MA 01460-1289  
 Contact: Richard Duhamel  
 Tel: (508) 486-5021 Fax: (508) 486-7417  
 GOSIP Product: VAX Packetnet System Interface for DECnet-VAX (TM)  
 Version/Release: Ver 5.4 Extensions  
 Release Date: 01-SEP-91  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 26-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0112  
 MicroVAX 3800 with DSV11-SA Card  
 VMS Ver 5.4  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: X.25 LAP-B/X.21bis  
 Underlying Stack: VAX Wide Area Network Device Drivers for DECnet-VAX(TM) Ver 5.4 Extensions  
 Underlying Product:  
 Protocols and Profiles: 0040  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 140  
 Supplier: Digital Equipment Corp  
 550 King Street  
 Littleton, MA 01460-1289  
 Contact: Richard Duhamel  
 Tel: (508) 486-5021 Fax: (508) 486-7417  
 GOSIP Product: DEC X.25 for ULTRIX  
 Version/Release: Ver 1.0  
 Release Date: 01-MAR-93  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-MAR-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0131  
 MicroVAX/VAXstation 3000 Series  
 DEC ULTRIX Ver 4.2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: X.25 LAP-B/X.21bis  
 Underlying Stack: DEC Wide Area Device Drivers for ULTRIX Ver 2.0 01-MAR-92  
 Underlying Product:  
 Protocols and Profiles: 0040  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN Product ID: 147  
 Supplier: Digital Equipment Corp  
 550 King Street  
 Littleton, MA 01460-1289  
 Contact: Richard Duhamel  
 Tel: (508) 486-5021 Fax: (508) 486-7417  
 GOSIP Product: VAX Wide Area Networks Device Driver for DECnet-VAX (TM)  
 (Data Link Layer)  
 Version/Release: Ver 5.4 Extensions  
 Release Date: 01-SEP-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 26-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0112  
 MicroVAX 3800 with DSV11-SA Card  
 VMS Ver 5.4  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0070  
 X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0070  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN      Product ID: 161  
 Supplier: Digital Equipment Corp  
 550 King Street  
 Littleton, MA 01460-1289

Contact: Richard Duhamel  
 Tel: (508) 486-5021      Fax: (508) 486-7417

GOSIP Product: DEC Wide Area Device Drivers for ULTRIX (Data Link Layer)

Version/Release: Ver 2.0  
 Release Date: 01-MAR-92  
 Additional Info: None

Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-MAR-93  
 Basis: BASE  
 Base Products: n/a

Tested Hardware/Operating System Platforms:  
 MicroVAX/VAXstation 3000 Series  
 DEC ULTRIX Ver 4.2

Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0070

X.21bis  
 Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0070

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0362

Digital Equipment Corporation, OSI Conformance  
 Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN      Product ID: 172  
 Supplier: Digital Equipment Corporation  
 Imperial Way  
 Reading, Berks RG20TE United Kingdom

Contact: Ken Chamberlain

GOSIP Product: DEC Network Integration Server Software (DECNIS)

Version/Release: Ver 2.1  
 Release Date: 30-APR-93  
 Additional Info:

Registration: FULL, GOSIP Version 2  
 Date: 29-JUL-93  
 Basis: BASE  
 Base Products: n/a

Tested Hardware/Operating System Platforms: 0154  
 HW: DECNIS 500, DECNIS 600  
 OS: DECNIS V2.1 with embedded OS

Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 AND ATS:2-2

Conformance Lab: 0362

Digital Equipment Corporation, OSI Conformance  
 Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-001 WAN      Product ID: 208  
 Supplier: Eicon Technology Corporation  
 2196 - 32nd Avenue (Lachine)  
 Montreal, Quebec H8T 3H7 Canada

Contact: Guy Cote

Tel: (514) 631-2592      Fax: (514) 631-3092

GOSIP Product: OSI LAN Gateway #315-379-1 plus GOSIP Upgrade Diskette

Version/Release: Release V3R1

Release Date: 24-SEP-93

Additional Info: Product tested using V.24 to RS-232C adaptor box (not sold with product). Vendor claims software operates across entire line of interface cards.

Registration: FULL, GOSIP Version 2

Date: 17-DEC-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0178

HW: Eicon HSI/PC 1MB #310-052 Synchronous Comm Card/Dell 486 PC

OS: Embedded in product on Comm Card, DOS 5.0 running on PC

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: None

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-2 and ATS:2-1

Conformance Lab: 0364

CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN      Product ID: 47

Supplier: Encore Computing Corporation  
 6901 West Sunrise Boulevard  
 Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales

Tel: (305) 587-2900      Fax: (305) 797-5807

GOSIP Product: Encore Infinity 90 Series GPIO I with EnComm X.25 and PAD Version/Release: Rev 3.0

Release Date: 01-JUL-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 24-JUN-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0059

ENCORE Infinity 90 Series GPIO with VME Serial

Synchronous Controller (VSSC) Model 8523-443 UMAX 3.0.7

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN      Product ID: 222  
Supplier: HEWLETT-PACKARD Company  
5 Avenue Raymond Chanas-Eybens  
38053 Grenoble Cedex 09 France  
Contact: Jean-France Coudeyre  
Tel: +33.76.62.56.58      Fax:

GOSIP Product: X.25 Link for HP 9000 Series 800 (3696OA)  
Version/Release: X.25 F/W Rev. 8.27  
Release Date: 01-NOV-93  
Additional Info: Vendor claims that this product is capable of  
operating on

all Classes of HP 9000 Series 800

Registration: FULL, GOSIP Version 2  
Date: 23-FEB-94  
Basis: BASE  
Base Products: n/a

Tested Hardware/Operating System Platforms: 0189  
H/W: HP9000 Series 800  
O/S: HP/UX 9.04

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 & ATS:2-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN      Product ID: 17  
Supplier: Harris Adacom Corporation  
16001 Dallas Parkway  
Dallas, TX 75248

Contact: Gregory Prynne  
Tel: (214) 386-2000      Fax: (214) 386-2524

GOSIP Product: Challenger ES/174-20

Version/Release: Rel 2.1

Release Date: 07-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 17-OCT-91

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0030

Challenger ES/174-20 Rel 2.1

DTE/DCE Environment

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN      Product ID: 18  
Supplier: Harris Adacom Corporation  
16001 Dallas Parkway  
Dallas, TX 75248

Contact: Gregory Prynne  
Tel: (214) 386-2000      Fax: (214) 386-2524

GOSIP Product: Challenger ES/174-10

Version/Release: Rel 2.1

Release Date: 07-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 30-OCT-91

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0031

Challenger ES/174-10 Ver 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN      Product ID: 19  
Supplier: Harris Adacom Corporation  
16001 Dallas Parkway  
Dallas, TX 75248

Contact: Gregory Prynne  
Tel: (214) 386-2000      Fax: (214) 386-2524

GOSIP Product: Challenger ES/174-60

Version/Release: Rel 2.1

Release Date: 07-OCT-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 30-OCT-91

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0032

Challenger ES/174-60 Ver 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles:

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 2  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4  
 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0003  
 Communications Controllers IBM 3745  
 MVS/SP  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Ver 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 5  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0002  
 Communications Controllers IBM 3745  
 MVS/XA  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Ver 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 6  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0006  
 Communications Controllers IBM 3745  
 VM/XA  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 7  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0005  
 Communications Controllers IBM 3745  
 VM/SP  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 8  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0009  
 Communications Controllers IBM 3720  
 MVS/ESA  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 9  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4  
 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms:  
 Communications Controllers IBM 3745  
 MVS/ESA  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 10  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0011  
 Communications Controllers IBM 3720  
 VM/XA  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 USA

Product Code/Type: P-001 WAN Product ID: 11  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0007  
 Communications Controllers IBM 3720  
 MVS/XA  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 12  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0008  
 Communications Controllers IBM 3720  
 MVS/SP  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 14  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM X.25 NCP Packet Switching Interface  
 Version/Release: Ver 3 Rel 4 Release Date: 28-JUN-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 10-JUL-91 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0010  
 Communications Controllers IBM 3720  
 VM/SP  
 Network Control Program (NCP) V5R4  
 System Support Program (SSP) V3R6  
 Virtual Telecommunications Access Method (VTAM) Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 15  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM AS/400 X.25 Communication Support Program  
 Version/Release: Ver 2 Rel 1  
 Release Date: 24-MAY-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-SEP-91  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0028  
 Processor IBM 9402, 9404  
 OS/400 Ver 2 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol  
 Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 16  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM AS/400 X.25 Communication Support Program  
 Version/Release: Ver 2 Rel 1  
 Release Date: 24-MAY-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-SEP-91  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0027  
 Processor IBM 9406  
 OS/400 Ver 2 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 45  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM 6611 Network Processor Model 140  
 Version/Release: Ver 1.0  
 Release Date: 26-JUN-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-MAR-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0055  
 IBM 6611 Network Processor  
 Based on IBM AIX Ver 3.2 for RISC Sys/6000  
 IBM Multiprotocol Network Program  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol  
 Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 46  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709-2195  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM 6611 Network Processor Model 170  
 Version/Release: Ver 1.0  
 Release Date: 26-JUN-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-MAR-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0055  
 IBM 6611 Network Processor  
 Based on IBM AIX Ver 3.2 for RISC Sys/6000  
 IBM Multiprotocol Network Program  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 39  
 Supplier: International Business Machines Corporation  
 11400 Burnet Road  
 Austin, TX 78758-3493  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN  
 Support, IBM 7011, All Models  
 Version/Release: Ver 3.2  
 Release Date: 28-FEB-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-MAR-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0054  
 RISC System/6000 Products  
 Operating System IBM AIX Version 3.2 For RISC System/6000  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 41  
 Supplier: International Business Machines Corporation  
 11400 Burnet Road  
 Austin, TX 78758-3493  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN Spt,  
 for IBM 7012, All Models  
 Version/Release: Ver 3.2  
 Release Date: 28-FEB-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-MAR-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0054  
 RISC System/6000 Products  
 Operating System IBM AIX Version 3.2 For RISC System/6000  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0002  
 V.24 or RS-232C, V.35, X.21bis  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 42  
Supplier: International Business Machines Corporation  
11400 Burnet Road  
Austin, TX 78758-3493  
Contact: John Streck  
Tel: (919) 254-4360 Fax: (919) 254-5410  
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN  
Support, for IBM 7013, All Models  
Version/Release: Ver 3.2  
Release Date: 28-FEB-92  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 25-MAR-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0054  
RISC System/6000 Products  
Operating System IBM AIX Version 3.2 For RISC System/6000  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0002  
V.24 or RS-232C, V.35, X.21bis  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0361  
IBM Corporation - Networking Systems Protocol Center  
200 Silicon Drive, P.O. Box 12195  
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 43  
Supplier: International Business Machines Corporation  
11400 Burnet Road  
Austin, TX 78758-3493  
Contact: John Streck  
Tel: (919) 254-4360 Fax: (919) 254-5410  
GOSIP Product: IBM AIX FOR RISC SYSTEM/6000, X.25 WAN  
SPT, FOR IBM 7015, All Models  
Version/Release: Ver 3.2  
Release Date: 28-FEB-92  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 25-MAR-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0054  
RISC System/6000 Products  
Operating System IBM AIX Version 3.2 For RISC System/6000  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0002  
V.24 or RS-232C, V.35, X.21bis  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0361  
IBM Corporation - Networking Systems Protocol Center  
200 Silicon Drive, P.O. Box 12195  
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 44  
Supplier: International Business Machines Corporation  
11400 Burnet Road  
Austin, TX 78758-3493  
Contact: John Streck  
Tel: (919) 254-4360 Fax: (919) 254-5410  
GOSIP Product: IBM AIX for RISC System/6000, X.25 WAN Spt,  
for IBM 7016, All Models  
Version/Release: Ver 3.2  
Release Date: 28-FEB-92  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 25-MAR-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0054  
RISC System/6000 Products  
Operating System IBM AIX Version 3.2 For RISC System/6000  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0002  
V.24 or RS-232C, V.35, X.21bis  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0361  
IBM Corporation - Networking Systems Protocol Center  
200 Silicon Drive, P.O. Box 12195  
Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 102  
Supplier: International Business Machines Corporation  
3605 Highway 52 North  
Rochester, MN 55901-7829  
Contact: John Streck  
Tel: (919) 254-4360 Fax: (919) 254-5410  
GOSIP Product: IBM AS/400 X.25  
Version/Release: Ver 2 Rel 2  
Release Date: 25-SEP-92  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0089  
AS/400 Model IBM 9404  
OS/400 Ver 2 Rel 2  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0044  
RS-232C, V.35  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0361  
IBM Corporation - Networking Systems Protocol Center  
200 Silicon Drive, P.O. Box 12195  
Research Triangle Park, NC 27709-2195



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 103  
 Supplier: International Business Machines Corporation  
 3605 Highway 52 North  
 Rochester, MN 55901-7829  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM AS/400 X.25 Communication Support  
 Version/Release: Ver 2 Rel 2  
 Release Date: 26-JUN-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 13-NOV-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0090  
 AS/400 Model IBM 9402, 9406  
 OS/400 Ver 2 Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 104  
 Supplier: International Business Machines Corporation  
 3605 Highway 52 North  
 Rochester, MN 55901-7829  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: X.25 Network Control Program Packet Switching  
 Interface  
 Version/Release: Ver 3 Rel 5  
 Release Date: 25-SEP-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 13-NOV-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0088  
 IBM 3745 Communication Controller  
 Network Control Program Ver 6  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol  
 Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 125  
 Supplier: International Business Machines Corporation  
 3605 Highway 52 North  
 Rochester, MN 55901-7829  
 Contact: John Streck  
 Tel: (919) 254-4360 Fax: (919) 254-5410  
 GOSIP Product: IBM AS/400 X.25 Communications Support  
 Version/Release: Ver 2, Rel 1.1  
 Release Date: 26-JUN-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 13-NOV-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0110  
 IBM AS/400 Models 9402, 9404, 9406  
 OS/400 Ver 2 Rel 1.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 162  
 Supplier: International Business Machines Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709  
 Contact: Miriam Green  
 Tel: (919) 254-6323 Fax:  
 GOSIP Product: X.25 Network Control Program Packet Switching  
 Interface  
 Version/Release: Version 3 Release 6  
 Release Date: 30-APR-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 28-MAY-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0146  
 IBM 3745  
 Network Control Program Ver 6 Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0087  
 V.24 or RS-232C (X.21bis), V.35  
 X.21 switched and non-switched  
 ISDN via X.21 (IBM 7820 Terminal Adaptor)  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0074  
 X.25 PLP/(X.25 LAP-B)  
 X.25 PLP [ISO 8208:1990] {ISO 8208}  
 X.25 LAP-B [ISO 7776:1986] {ISO 7776}  
 ATS Used: ATS:2-1 and ATS:2-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 183  
 Supplier: International Business Machines Corporation  
 3605 Highway 52 North  
 Rochester, MN 55901-7829  
 Contact: Glenn Van Benschoten  
 Tel: (507)253-5723 Fax:  
 GOSIP Product: AS/400 X.25 Communication Support  
 Version/Release: Version 2 Release 3  
 Release Date: 05-NOV-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 03-AUG-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0167  
 HW: IBM 9402, 9404, 9406  
 OS: OS/400 Version 2 Release 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0074  
 X.25 PLP/(X.25 LAP-B)  
 X.25 PLP [ISO 8208:1990] {ISO 8208}  
 X.25 LAP-B [ISO 7776:1986] {ISO 7776}  
 ATS Used: ATS:2-2 and ATS:2-1  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 20  
 Supplier: MEMOREX TELEX Corporation - Federal Systems  
 205 Van Buren Steet, Suite #180  
 Herndon, VA 22070

Contact: Kevin Good  
 Tel: (703) 318-5600 Fax: (703) 318-7575

GOSIP Product: 1174-60R  
 Version/Release: Ver B1.3  
 Release Date: 17-OCT-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 30-OCT-91  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0033  
 1174-60R Ver B1.3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 227  
 Supplier: International Business Machines Corporation  
 South Miami Boulevard P.O. Box 12195  
 Research Triangle Park, NC 27709  
 Contact: Miriam Green  
 Tel: (919) 254-6323 Fax:  
 GOSIP Product: X.25 Network Control Program Packet Switching  
 Interface  
 Version/Release: Version 3 Release 7  
 Release Date: 31-MAR-94  
 Additional Info: None  
 Registration: FULL, GOSIP Version 2  
 Date: 23-FEB-94  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0193  
 H/W: IBM 3745  
 O/S: Network Control Program Version 7 Release 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1A & ATS:2-2A  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 21  
 Supplier: MEMOREX TELEX Corporation - Federal Systems  
 205 Van Buren Steet, Suite #180  
 Herndon, VA 22070

Contact: Kevin Good  
 Tel: (703) 318-5600 Fax: (703) 318-7575

GOSIP Product: 1174-90R  
 Version/Release: Ver B1.3  
 Release Date: 17-OCT-91  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 30-OCT-91  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0035  
 1174-90R Ver B1.3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 22  
Supplier: MEMOREX TELEX Corporation - Federal Systems  
205 Van Buren Steet, Suite #180  
Herndon, VA 22070

Contact: Kevin Good  
Tel: (703) 318-5600 Fax: (703) 318-7575

GOSIP Product: 1174-10R  
Version/Release: Ver B1.3  
Release Date: 17-OCT-91  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 30-OCT-91  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0034  
1174-10R Ver B1.3  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0005  
RS-232C  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 27  
Supplier: McData Corporation  
310 Interlocken Parkway  
Broomfield, CO 80021-3464

Contact: Steve Cartwright  
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 20R  
Version/Release: Rel 3.0  
Release Date: 11-NOV-91  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 17-DEC-91  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0040  
LinkMaster 7100 Model 20R  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0006  
RS-232C, V.35, X.21  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 28  
Supplier: McData Corporation  
310 Interlocken Parkway  
Broomfield, CO 80021-3464

Contact: Steve Cartwright  
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 90  
Version/Release: Rel 3.0  
Release Date: 11-NOV-91  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 29-JAN-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0043  
LinkMaster 7100 Model 90  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0044  
RS-232C, V.35  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 29  
Supplier: McData Corporation  
310 Interlocken Parkway  
Broomfield, CO 80021-3464

Contact: Steve Cartwright  
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 10  
Version/Release: Rel 3.0  
Release Date: 11-NOV-91  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 29-JAN-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0044  
LinkMaster 7100 Model 10  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0006  
RS-232C, V.35, X.21  
Underlying Stack: None  
Underlying Product:  
Protocols and Profiles: 0001  
X.25 PLP/X.25 LAP-B  
X.25 PLP [ISO 8208:1990] {CCITT 1984}  
X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
ATS Used: ATS:1-1 and ATS:1-2  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 30

Supplier: McData Corporation  
310 Interlocken Parkway  
Broomfield, CO 80021-3464

Contact: Steve Cartwright  
Tel: (303) 460-9200 Fax:

GOSIP Product: LinkMaster 7100 Model 60

Version/Release: Rel 3.0

Release Date: 11-NOV-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 29-JAN-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0045

LinkMaster 7100 Model 60

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0044

RS-232C, V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:1-1 and ATS:1-2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 62

Supplier: NCR  
9900 Old Grove Road  
San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR System 3000, X.25 Network Services

Version/Release: Release 1.04

Release Date: 01-AUG-92

Additional Info: Packet Layer Protocol Only.

Registration: PROV, Grndfthrd, V1->V2

Date: 09-SEP-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Software Platform: 0063

HW: NCR System 3000 consisting of the following  
hardware models: 3320, 3340, 3345, 3447, 3450, 3550, and  
3600

OS: NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0098

X.25 LAP-B/RS-232C

Underlying Stack: NCR MUOE HDLC, Release 1.04

Underlying Product:

Protocols and Profiles: 0076

X.25 PLP [ISO 8208:1990] {ISO 8208}

ATS Used: ATS:1-2

Conformance Lab: 0363

Corporation for Open Systems International Test Center

8260 Willow Oaks Corp Drive, Suite 700

Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 189

Supplier: NCR  
9900 Old Grove Road  
San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR MUOE HDLC

Version/Release: Release 1.04

Release Date: 01-AUG-92

Additional Info: Requires NCR System 3000, X.25 Network Services  
product for full X.25 capability.

Registration: PROV, Grndfthrd, V1->V2

Date: 09-SEP-92 Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0063

HW: NCR System 3000 consisting of the following hardware  
models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600

OS: NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0090

RS-232C

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0006

X.25 LAP-B [ISO 7776:1986] {ISO 7776}

ATS Used: ATS:1-1

Conformance Lab: 0363

Corporation for Open Systems International Test Center

8260 Willow Oaks Corp Drive, Suite 700

Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 216

Supplier: NCR  
2700 Snelling Avenue North  
Roseville, MN 55113-1784

Contact: David Loomis

Tel: 612-638-7663 Fax:

GOSIP Product: X.25

Version/Release: Version 2 Release 2

Release Date: 01-DEC-93

Additional Info:

Registration: FULL, GOSIP Version 2

Date: 20-JAN-94

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0183

HW: 5600 Communications Processor Family (5630, 5645, 5655,  
5665, 5675) OS: COS2/56, CB1 R2E

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0044

RS-232C, V.35

Underlying Stack: None

Underlying Product:

Protocols and Profiles: 0001

X.25 PLP/X.25 LAP-B

X.25 PLP [ISO 8208:1990] {CCITT 1984}

X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

ATS Used: ATS:2-1 and ATS:2-2

Conformance Lab: 0363

Corporation for Open Systems International Test

Center

8260 Willow Oaks Corp Drive, Suite 700

Fairfax, VA 22031



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 64  
 Supplier: NETRIX Corporation  
 13595 Dulles Technology Drive  
 Herndon, VA 22071  
 Contact: Ted Ritter  
 Tel: (703) 742-6000 Fax: (703) 742-4048  
 GOSIP Product: NETRIX #1-ISS GOSIP X.25, GOSIP X.25  
 INTERFACE MODULE  
 Version/Release: Ver 1.0 Rel 1  
 Release Date: 01-SEP-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 06-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0072  
 Netrix #1-ISS Series 1.0, Netrix Operating System Rel 2.7  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 143  
 Supplier: NETRIX Corporation  
 13595 Dulles Technology Drive  
 Herndon, VA 22071  
 Contact: Ted Ritter  
 Tel: (703) 742-6000 Fax: (703) 742-4048  
 GOSIP Product: NETRIX #1-ISS GOSIP X.25, GOSIP X.25  
 INTERFACE MODULE  
 Version/Release: Ver 1.0 Rel 1  
 Release Date: 01-SEP-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 31-MAR-93  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0134  
 Netrix #1-ISS Series 1000  
 Netrix OS Rel 1.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 164  
 Supplier: NETRIX Corporation  
 13595 Dulles Technology Drive  
 Herndon, VA 22071  
 Contact: Ted Ritter  
 Tel: (703) 742-6000 Fax: (703) 742-4048  
 GOSIP Product: Netrix S100 GOSIP X.25 Interface Module 1.0  
 Version/Release: Version 1.0  
 Release Date: 01-JUN-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 24-JUN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0147  
 HW: Netrix Series 100  
 OS: S100 O/S Rel 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0090  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-2 and ATS:2-1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 165  
 Supplier: NETRIX Corporation  
 13595 Dulles Technology Drive  
 Herndon, VA 22071  
 Contact: Ted Ritter  
 Tel: (703) 742-6000 Fax: (703) 742-4048  
 GOSIP Product: Netrix BRX GOSIP X.25 Interface Module 1.0  
 Version/Release: Version 1.0  
 Release Date: 01-JUN-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 24-JUN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0148  
 H/W BRX Branch Router/Concentrator  
 O/S BRX O/S Rel 3.3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0089  
 V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-2 and ATS:2-1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 168  
 Supplier: Northern Telecom ATTN: NORTEL Federal Systems  
 2010 Corporate Ridge, Suite 800  
 McLean, VA 22102  
 Contact: Torre Albritton  
 Tel: (703) 712-8764 Fax: (703) 712-8982  
 GOSIP Product: Magellan DPN-100  
 Version/Release: G30S002  
 Release Date: 01-JAN-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 08-JUL-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0152  
 HW: Magellan DPN-100  
 OS: Magellan DPN-100 G30  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0090  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0074  
 X.25 PLP/(X.25 LAP-B)  
 X.25 PLP [ISO 8208:1990] {ISO 8208}  
 X.25 LAP-B [ISO 7776:1986] {ISO 7776}  
 ATS Used: ATS:2-2 and ATS:2-1  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-001 WAN Product ID: 152  
 Supplier: SUN Microsystems, Inc. International Centre for Network  
 Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SUNLink X.25 8.0 Rev B  
 Version/Release: 8.0 Rev B  
 Release Date: 01-JUN-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 06-MAY-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0093  
 HW: SPARCstation 10 Model 41  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 and ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 65  
 Supplier: SUN Microsystems, Inc. International Centre for Network  
 Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SUNNet X.25  
 Version/Release: Ver 7.0.1 Rel 1  
 Release Date: 01-OCT-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 07-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0073  
 SUN 4/75  
 SUNNet O/S 4.1.2 (Solaris 1.0.1)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 151  
 Supplier: Sync Research, Incorporated  
 7 Studebaker  
 Irvine, CA 92718  
 Contact: Sal Mungo  
 Tel: (714) 588-2070 Fax: (714) 588-2080  
 GOSIP Product: Network Access Concentrator (NAC) 4000  
 Version/Release: Ver 8.150  
 Release Date: 31-MAY-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 29-APR-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0141  
 Network Access Concentrator (NAC) 4000  
 Proprietary  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0080  
 V.24, RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 and ATS:2-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol  
 Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195



# GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 153  
 Supplier: Sync Research, Incorporated  
 7 Studebaker  
 Irvine, CA 92718  
 Contact: Sal Mungo  
 Tel: (714) 588-2070 Fax: (714) 588-2080  
 GOSIP Product: SNA Network Access Converter (SNAC) 6000  
 Version/Release: Ver 10.010  
 Release Date: 30-SEP-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 06-MAY-93  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0142  
 Network Access Concentrator (NAC) 4000 SNAC 6000  
 Proprietary  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0080  
 V.24, RS-232C, V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 and ATS:2-2  
 Conformance Lab: 0361  
 IBM Corporation - Networking Systems Protocol Center  
 200 Silicon Drive, P.O. Box 12195  
 Research Triangle Park, NC 27709-2195

Product Code/Type: P-001 WAN Product ID: 185  
 Supplier: Telematics International  
 1201 Cypress Creek Road  
 Fort Lauderdale, FL 33309

Contact: Terry Rihel  
 Tel: (818) 880-4900 Fax: (818) 880-4726

GOSIP Product: ACP50 X25 Version 10.04  
 Version/Release: Version 10.04  
 Release Date: 30-JUL-93  
 Additional Info:  
 Registration: FULL, GOSIP Version 2  
 Date: 05-AUG-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0165  
 HW: ACP50  
 OS: N/A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0090  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 and ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 69  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102

Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172

GOSIP Product: X.25 PSCS  
 Version/Release: 51RA & PCRs UP TO 1929 INCLUSIVE  
 Release Date: 01-OCT-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0077  
 DCP-15, DCP/OS 5R2A, TELCON 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None.  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-001 WAN Product ID: 131  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102

Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172

GOSIP Product: CP2000 X.25 Protocol  
 Version/Release: Ver 30.00.192  
 Release Date: 30-SEP-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-FEB-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0119  
 CP2000 with LMH Card, O/S CP2000 Operating Software Ver 3.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0005  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:1-1 and ATS:1-2  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 226  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: USU6100-X25  
 Version/Release: Version 5.0.3  
 Release Date: 01-DEC-93  
 Additional Info: None  
 Registration: FULL, GOSIP Version 2  
 Date: 24-FEB-94  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0192  
 H/W: U6000/100  
 O/S: UnixWare Application Server, Version 1.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0090  
 RS-232C  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-001 WAN Product ID: 200  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Link Node (LN) S/W Version 5.81  
 Version/Release: Version 5.81  
 Release Date: 24-SEP-93  
 Additional Info: The LN System is a stand-alone self contained router.  
 Registration: FULL, GOSIP Version 2  
 Date: 13-OCT-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 01  
 H/W: Link Node (LN) w/ ACE 20 Processor & Dual Sync Dual Ethernet(DSDE) I/O Card  
 O/S: Embedded in GOSIP product  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0089  
 V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-2 and ATS:2-1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 201  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Access Feeder Node (AFN) S/W Version 5.81  
 Version/Release: Version 5.81  
 Release Date: 24-SEP-93  
 Additional Info: The AFN System is a stand alone self-contained router.  
 Registration: FULL, GOSIP Version 2  
 Date: 13-OCT-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0175  
 H/W: Access Feeder Node (AFN)  
 O/S: Embedded in Registered Product  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0089  
 V.35  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-2 and ATS:2-1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 244  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Backbone Concentrator Node (BCN) S/W Ver 7.70  
 Version/Release: Version 7.70  
 Release Date: 24-MAR-94  
 Additional Info: Vendor claims CCITT 1988 support.  
 Registration: FULL, GOSIP Version 2  
 Date: 03-MAY-94  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0202  
 Backbone Concentrator Node (BCN)-DSDE & QSYNCR I/O Cards.  
 Claimed Compatibility Hardware/Software Platforms: 0203  
 Dual Port Ethernet Link Module (DEI) I/O Card  
 Quad Port Ethernet Link Module (QENET) I/O Card  
 Quad Port Synchronous Link Module (QSYNCR) I/O Card  
 Connectivity: 0089  
 V.35  
 Underlying Stack: None  
 Underlying Product: n/a  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-001 WAN Product ID: 245  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Link Node (LN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.  
 Registration: FULL, GOSIP Version 2  
 Date: 17-MAY-94 Basis: DERIVED  
 Base Products: 244  
 Tested Hardware/Operating System Platforms: 0207  
 H/W: Link Node (LN) DSDE I/O Card  
 O/S: Embedded in Product  
 Claimed Compatibility Hardware/Software Platforms: 0208  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0089  
 V.35  
 Underlying Stack: None  
 Underlying Product: 244  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 246  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Backbone Link Node (BLN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.  
 Registration: FULL, GOSIP Version 2  
 Date: 17-MAY-94 Basis: DERIVED  
 Base Products: 244  
 Tested Hardware/Operating System Platforms: 0209  
 H/W: Backbone Link Node (BLN) DSDE I/O Card  
 O/S: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0208  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0089 V.35  
 Underlying Stack: None Underlying Product: 244  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 247  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Concentrator Node (CN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Vendor claims CCITT 1988 support.  
 Registration: FULL, GOSIP Version 2  
 Date: 03-MAY-94 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0204  
 Concentrator Node (CN)-DSDE I/O Cards  
 Claimed Compatibility Hardware/Software Platforms: 0205  
 Dual Port Ethernet Link Module (DE) I/O Card  
 Quad Port Ethernet Link Module (QENET) I/O Card  
 Quad Port Synchronous Link Module (QSYNC) I/O Card  
 Connectivity: 0089 V.35  
 Underlying Stack: None  
 Underlying Product: n/a  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-001 WAN Product ID: 248  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Feeder Node (FN) S/W Version 7.70  
 Version/Release: Version 7.70  
 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.  
 Registration: FULL, GOSIP Version 2  
 Date: 17-MAY-94 Basis: DERIVED  
 Base Products: 244  
 Tested Hardware/Operating System Platforms: 0210  
 H/W: Feeder Node (FN) DSDE I/O Card  
 O/S: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0208  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0089  
 V.35  
 Underlying Stack: None  
 Underlying Product: 244  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 ATS Used: ATS:2-1 & ATS:2-2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



# GOSIP REGISTERS, Continued

Product Code/Type: P-002 LAN Product ID: 37  
 Supplier: 3Com Corporation  
 5600 Bayfront Plaza, PO Box 58145  
 Santa Clara, CA 95052-8145  
 Contact: Howard Chan  
 Tel: (408) 764-5827 Fax:  
 GOSIP Product: Etherlink 16, 3C507  
 Version/Release: Rev A  
 Release Date: 01-AUG-90  
 Additional Info:  
 Registration: PROV, GOSIP Version 1  
 Date: 14-FEB-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0050  
 PC AT 80386, MS DOS 3.3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0027  
 PLS{802.3}/10Base5  
 Underlying Stack: Information not available  
 Underlying Product:  
 Protocols and Profiles: 0007  
 MAC [ISO 8802-3:1989]  
 ATS Used: ATS:1-3  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test  
 Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-002 LAN Product ID: 3  
 Supplier: Bull Information Systems Incorporated  
 Technology Park  
 Billerica, MA 01821-4199  
 Contact: Kenneth Finkenauer  
 Tel: (508) 294-2909 Fax:  
 GOSIP Product: Local Area Controller Subsystem (LACS)  
 Version/Release:  
 Release Date:  
 Additional Info:  
 Registration: PROV, GOSIP Version 1  
 Date: 01-APR-91  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0012  
 DPS6000/HVS6 Release 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0003  
 Not noted.  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0002  
 LLC1{802.2}/MAC & PLS{802.3}  
 LLC1 [ISO 8802-2:1989]  
 MAC [ISO 8802-3:1989]  
 PLS [ISO 8802-3:1989]  
 ATS Used: ATS:1-3 and ATS:1-6  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test  
 Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-002 LAN Product ID: 79  
 Supplier: Control Data Corporation  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198  
 Contact: Ronald Swan  
 Tel: (612) 482-6257 Fax: (612) 482-3616  
 GOSIP Product: CDCNET Ethernet Serial Channel Interface  
 Version/Release: LLC/MAC 1.7.1, PLS 1.6.1  
 Release Date: 01-OCT-92  
 Additional Info:  
 Registration: PROV, GOSIP Version 1  
 Date: 15-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0081  
 Device Interface Model #GH120B, Equipment #DY0227-B,  
 Product #2608-6 (Stand-alone Machine) O/S None  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0003  
 Not noted.  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0002  
 LLC1{802.2}/MAC & PLS{802.3}  
 LLC1 [ISO 8802-2:1989]  
 MAC [ISO 8802-3:1989]  
 PLS [ISO 8802-3:1989]  
 ATS Used: ATS:1-3 and ATS:1-6  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-003 ES-IS Product ID: 167  
 Supplier: 3Com Corporation  
 5400 Bayfront Plaza  
 Santa Clara, CA 95052-8145  
 Contact: Mike Ratzlaff  
 Tel: (408) 764-6000 Fax: (408) 764-5002  
 GOSIP Product: NETBuilder II Extended WAN 3C6242A-GOSIP  
 Version/Release: Version 6.1.5  
 Release Date: 04-JUN-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 23-JUN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0151  
 NETBuilder II (4 or 8 port chassis) with 2 Ethernet Modules  
 SW/NB II-WX, V6.1.5  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0093  
 Port1: LLC1{802.2}/MAC{802.3}/10Base2  
 Port2: LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: NETBuilder II Ethernet Module (Embedded in Product)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0371  
 Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 206  
 Supplier: 3Com Corporation  
 5400 Bayfront Plaza  
 Santa Clara, CA 95052-8145  
 Contact: Mike Ratzlaff  
 Tel: (408) 764-6000 Fax: (408) 764-5002  
 GOSIP Product: NETBuilder II Extended WAN 3C6242A-GOSIP  
 Version/Release: Version 6.2  
 Release Date: 07-SEP-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-DEC-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0177  
 HW: NETBuilder II with 2 Ethernet Modules OS: SW/NB II-XW  
 Version 6.2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0102  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: LLC1{802.2}/MAC{802.3}/10BaseT  
 Underlying Stack: Embedded in product using the NETBuilder II  
 Ethernet Module  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 192  
 Supplier: Cabletron Systems, Inc.  
 35 Industrial Way, P.O. Box 5005  
 Rochester, NH 03867-5005  
 Contact: Ronald Fotino  
 Tel: (603) 337-1769 Fax: (603) 337-1697  
 GOSIP Product: CRM-L  
 Version/Release: Version 9.1 (3.5)  
 Release Date: 01-MAR-93  
 Additional Info: The product is a stand-alone system with the O/S  
 and I/O functions embedded in the product.  
 Registration: PROV, GOSIP Version 2  
 Date: 24-SEP-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0171  
 (1) HW: CRM-L  
 (1) OS: CRM-L Version 9.1 (3.5)  
 (2) HW: Cisco IGS Router  
 (2) OS: CRM-L Version 9.1 (3.5)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0086  
 Port 1: LLC1{802.2}/MAC{802.3}/10Base5  
 Port 2: LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: Embedded in Product  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0371  
 Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 105  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: MGS/3 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-OCT-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0162  
 HW: MGS/3  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0099  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/RS-232C  
 Underlying Stack: WAN: MGS/3 X.25 Version 2.0 LAN: gs3-k  
 9.1(30)(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 127  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: CGS/3 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-OCT-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0159  
 HW: CGS/3  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: CGS/3 X.25 Version 2.0 LAN: gs3-k  
 9.1(30)(LLC) and  
 Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 190  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: MGS/4 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info: The MGS/4 runs link and packet X.25 plus CLNP on the same board/CPU with the OS.  
 Registration: PROV, GOSIP Version 2  
 Date: 17-SEP-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0163  
 HW: MGS/4  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0099  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/RS-232C  
 Underlying Stack: WAN: MGS/4 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 196  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: AGS+/4 X.25 Version 2.0  
 Version/Release: Version 2.0 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-OCT-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0164  
 HW: AGS+/4  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack:  
 WAN: AGS+/4 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 197  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: AGS+/3 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-OCT-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0158  
 HW: AGS+/3  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: AGS+/3 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 198  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: CGS/4 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-OCT-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0160  
 HW: CGS/4  
 OS: gs3-k 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: CGS/4 X.25 Version 2.0 LAN: gs3-k 9.1(30)(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 199  
 Supplier: Cisco Systems  
 1525 O'Brien Drive, P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 688-8114 Fax: (415) 688-4575  
 GOSIP Product: IGS/R X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 13-JUL-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 15-OCT-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0161  
 HW: IGS/R  
 OS: igs-kr 9.1(30)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: IGS/R X.25 Version 2.0 LAN: gs3-k  
 9.1(30)(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 228  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 326-1941 Fax: (415) 688-4575  
 GOSIP Product: CISCO 4000 X.25 Version 2.0  
 Version/Release: Version 2.0  
 Release Date: 14-MAR-94  
 Additional Info: The CISCO 4000 is a stand-alone product. The  
 CISCO 4000 contains all software and hardware required for  
 operation.  
 Registration: PROV, GOSIP Version 2  
 Date: 24-FEB-94 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0194  
 H/W: CISCO 4000  
 O/S: CISCO O/S 9.21  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: CISCO 4000 X.25 Version 2.0; LAN: CISCO  
 O/S 9.21(LLC) and Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 235  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 326-1941 Fax: (415) 688-4575  
 Email: agt@cisco.com  
 GOSIP Product: CISCO 3104 X.25 Version 2.0  
 Version/Release: Version 2.0 Release Date: 17-JAN-94  
 Additional Info: Tested hardware platform is CISCO 3104. The  
 CISCO 3104 is a stand-alone product containing all SW and HW  
 required for operation. Compatible HW as listed.  
 Registration: PROV, GOSIP Version 2  
 Date: 16-MAR-94 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0198  
 H/W: CISCO 3101, 3102, & 3104  
 O/S: CISCO 9.21  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0113  
 X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: CISCO 3104 X.25 Version 2.0; LAN: CISCO  
 O/S 9.21 (LLC) and Lance AMD (MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 237  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 326-1941 Fax: (415) 688-4575  
 Email: agt@cisco.com  
 GOSIP Product: CISCO 7000 X.25 Version 2.0  
 Version/Release: Version 2.0 Release Date: 17-JAN-94  
 Additional Info: Tested hardware platform is CISCO 7000. The  
 CISCO 7000 is a stand-alone product containing all SW and HW  
 required for operation. Compatible HW as listed.  
 Registration: PROV, GOSIP Version 2  
 Date: 10-MAR-94 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0197  
 H/W: CISCO 7000 & 7010  
 O/S: CISCO 9.21  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0113  
 X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: CISCO 7000 X.25 Version 2.0; LAN: CISCO  
 O/S 9.21 (LLC) and SEEQ 8003 (MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 Intermediate Systems Product ID: 255  
 Supplier: Cisco Systems  
 1525 O'Brien Drive P.O. Box 3075  
 Menlo Park, CA 94026-1435  
 Contact: Alex Tweedley  
 Tel: (415) 326-1941 Fax: (415) 688-4575  
 Email: agt@cisco.com  
 GOSIP Product: CISCO 2501 X.25 Version 2.0  
 Version/Release: Version 2.0 Release Date: 14-MAR-94  
 Additional Info: The CISCO 2501 is a stand-alone product containing all SW and HW required for operation.  
 Registration: PROV, GOSIP Version 2  
 Date: 25-MAY-94 Basis: BASE  
 Base Products: N/A  
 Tested Hardware/Operating System Platforms: 0214  
 H/W: CISCO 2501  
 O/S: CISCO O/S 9.21  
 Claimed Compatibility Hardware/Software Platforms: 0215  
 H/W: CISCO 2503  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: CISCO 2501 X.25 Version 2.0; LAN: CISCO O/S 9.21 (LLC) and Lance AMD(MAC)  
 Underlying Product: 254  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 148  
 Supplier: Cisco Systems, Incorporated  
 1525 O'Brien Drive  
 Menlo Park, CA 94025  
 Contact: Ms Susan Scheer  
 Tel: (415) 688-8131 Fax: (415) 688-7666  
 GOSIP Product: Cisco Systems Router  
 Version/Release: Ver 9 Rel 1  
 Release Date: 01-NOV-92  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 20-APR-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0029  
 MGS, CGS, AGS+, IGS, cisco3000, cisco4000, cisco7000  
 Cisco Systems Router (Stand-alone System)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0086  
 Port 1: LLC1{802.2}/MAC{802.3}/10Base5  
 Port 2: LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: Embedded in Cisco Router Product Using CSC-2E2T Interface Hardware  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0371  
 Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 218  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-7176 Fax: (508) 898-4212  
 GOSIP Product: OSI/Platform for AViiON Systems  
 Version/Release: Version 3.30 Release Date: 01-OCT-93  
 Additional Info: Model AV8500 tested. Vendor claims support for other H/W models listed.  
 Registration: PROV, GOSIP Version 2  
 Date: 04-FEB-94 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0172  
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000, AV8500, AV9000 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0105  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: LLC1{802.2}/MAC{802.3}/10BaseT  
 Underlying Stack: LLC and MAC contained in DG/UX 5.4R2.10, embedded in product.  
 Underlying Product:  
 Protocols and Profiles: 0033  
 CLNP{IS} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 184  
 Supplier: Digital Equipment Corporation  
 Imperial Way  
 Reading, Berks RG20TE  
 United Kingdom  
 Contact: Ken Chamberlain  
 GOSIP Product: DEC Network Integration Server Software (DECNIS)  
 Version/Release: Version 2.1 Release Date: 30-APR-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 05-AUG-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0166  
 HW: DECNIS 500, DECNIS 600  
 OS: DECNIS V.21 with embedded OS  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0097  
 Port 1: LLC1{802.2}/MAC{802.3}/10Base5  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN: DEC Network Integration Server S/W, DNSAE-AA, BNEA4D-02, and H4005. WAN: DEC Network Integration Server S/W and DNSAB-AA  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 210  
 Supplier: Proteon, Inc.  
 9 Technology Drive  
 Westborough, MA 01581-1799  
 Contact: Bob Reason  
 Tel: (508) 898-2800 Fax: (508) 366-8901  
 GOSIP Product: CNX500 OSI-ISO CLNP/ESIS/ISIS  
 Version/Release: Version 13.0C  
 Release Date: 01-NOV-93  
 Additional Info: Currently, IS-IS is not within the scope of the GOSIP program; therefore, the IS-IS portion of this product cannot claim GOSIP compliance.  
 Registration: PROV, GOSIP Version 2  
 Date: 28-DEC-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0180  
 HW: CNX500, CNX400, CNX600, DNX300  
 OS: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0102  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: LLC1{802.2}/MAC{802.3}/10BaseT  
 Underlying Stack: Embedded in product.  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 ES-IS Product ID: 70  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: DCP OSITS  
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207  
 Release Date: 08-APR-92  
 Additional Info:  
 Registration: PROV, GOSIP Version 1  
 Date: 16-OCT-92 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0078  
 DCP-15 through DCP-55 Front End Processors  
 DCP/OS Ver 5R2A and TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0040  
 Port 1: LLC1{802.2}/MAC{802.3}  
 Port 2: X.25 PLP/X.25 LAP-B  
 Underlying Stack: LAN Platform 2R2A, DCP 802.3 Lan Line Module, Feature #F5137-00. WAN: PSCS (Ver 51RA & PCR), DCP-15.  
 Underlying Product:  
 Protocols and Profiles: 0033  
 CLNP{IS} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7.1  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-003 ES-IS Product ID: 186  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Dan Mulvey  
 Tel: (703) 739-6710 Fax: (703) 739-1394  
 GOSIP Product: Wellfleet Communications Router  
 Version/Release: Version 5.81 Release Date: 24-SEP-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 24-AUG-93 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0168  
 HW: Concentrator Node (CN) w/ACE020 proc;  
 HW: Concentrator Node (CN) w/ACE030 proc;  
 HW: Link Node (LN) w/ ACE020 processor;  
 HW: Link Node (LN) w/ ACE030 processor;  
 HW: Feeder Node (FN) w/ ACE020 processor;  
 HW: Feeder Node (FN) w/ ACE030 processor;  
 OS: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0086 Port 1: LLC1{802.2}/MAC{802.3}/10Base5  
 Port 2: LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: SW: Embedded in Product; I/O Modules: DE (Dual Port Ethernet), DSDE (Dual Ethernet/Dual Port Sync), and/or QENET (Quad Port Ethernet)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0371  
 Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101

Product Code/Type: P-003 ES-IS Product ID: 202  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Access Feeder Node (AFN) S/W Version 5.81  
 Version/Release: Version 5.81 Release Date: 24-SEP-93  
 Additional Info: The AFN is a sealed-standalone router with the CLNP, OS, and underlying stack contained within the product.  
 Registration: PROV, GOSIP Version 2 Date: 04-NOV-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0175  
 H/W: Access Feeder Node (AFN)  
 O/S: Embedded in Registered Product  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: WAN: Embedded in Product (Access Feeder Node (AFN) S/W Version 5.81) LAN=> S/W: Embedded in Product; I/O Module: Lance AMD(MAC)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 ES-IS Product ID: 203  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Link Node (LN) S/W Version 5.81  
 Version/Release: Version 5.81 Release Date: 24-SEP-93  
 Additional Info: The LN is a standalone router with the CLNP, OS,  
 and underlying stack contained within the product.  
 Registration: PROV, GOSIP Version 2 Date: 04-NOV-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0176  
 H/W: Link Node (LN) w/ ACE 20 Processor  
 O/S: Embedded in Registered Product  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN=> SW: Embedded in Product; I/O Module:  
 DSDE (Dual Sync Dual Ethernet) WAN=> Embedded in the  
 Product (Link Node (LN) S/W Version 5.81)  
 Underlying Product:  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 249  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Backbone Concentrator Node (BCN) S/W Ver 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are  
 interchangeable with the DSDE I/O Card. Multiple I/O Cards  
 may be used within the same node.  
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94  
 Basis: BASE Base Products: N/A  
 Tested Hardware/Operating System Platforms: 0211  
 H/W: Backbone Concentrator Node (BCN) - DSDE I/O  
 O/S: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0212  
 H/W: Dual Port Ethernet Link Module (DE) I/O Card  
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN: Embedded in product; WAN: Embedded  
 in product  
 Underlying Product: 244  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO  
 9542:1988] {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 250  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Backbone Link Node (BLN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are  
 interchangeable with the DSDE I/O Card. Multiple I/O Cards  
 may be used within the same node.  
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94  
 Basis: DERIVED Base Products: 249  
 Tested Hardware/Operating System Platforms: 0209  
 H/W: Backbone Link Node (BLN) DSDE I/O Card  
 O/S: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0212  
 H/W: Dual Port Ethernet Link Module (DE) I/O Card  
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN: Embedded in product; WAN: Embedded  
 in product  
 Underlying Product: 246  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 251  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Feeder Node (FN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are  
 interchangeable with the DSDE I/O Card. Multiple I/O Cards  
 may be used within the same node.  
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94  
 Basis: DERIVED Base Products: 249  
 Tested Hardware/Operating System Platforms: 0210  
 H/W: Feeder Node (FN) DSDE I/O Card  
 O/S: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0212  
 H/W: Dual Port Ethernet Link Module (DE) I/O Card  
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN: Embedded in product; WAN: Embedded  
 in product Underlying Product: 248  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988]  
 {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-003 Intermediate Systems Product ID: 252  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Link Node (LN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.  
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94  
 Basis: DERIVED Base Products: 249  
 Tested Hardware/Operating System Platforms: 0207  
 H/W: Link Node (LN) DSDE I/O Card  
 O/S: Embedded in Product  
 Compatibility Hardware/Software Platforms: 0212  
 H/W: Dual Port Ethernet Link Module (DE) I/O Card  
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0101  
 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN: Embedded in product; WAN: Embedded in product  
 Underlying Product: 245  
 Protocols and Profiles: 0071  
 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-003 Intermediate Systems Product ID: 253  
 Supplier: Wellfleet Communications, Inc.  
 8 Federal Street  
 Billerica, MA 01821  
 Contact: Kathy Huber  
 Tel: (508) 663-6676 Fax: (508) 663-6676  
 GOSIP Product: Concentrator Node (CN) S/W Version 7.70  
 Version/Release: Version 7.70 Release Date: 24-MAR-94  
 Additional Info: Claimed HW are I/O Cards which are interchangeable with the DSDE I/O Card. Multiple I/O Cards may be used within the same node.  
 Registration: PROV, GOSIP Version 2 Date: 17-MAY-94  
 Basis: BASE Base Products: N/A  
 Tested Hardware/Operating System Platforms: 0213  
 H/W: Concentrator Node (CN) DSDE I/O Card  
 O/S: Embedded in product  
 Claimed Compatibility Hardware/Software Platforms: 0212  
 H/W: Dual Port Ethernet Link Module (DE) I/O Card  
 H/W: Quad Port Ethernet Link Module (QENET) I/O Card  
 H/W: Quad Port Synchronous Link Module (QSYNC) I/O Card  
 O/S: Embedded in product  
 Connectivity: 0101 Port 1: LLC1{802.2}/MAC{802.3}/10BaseT  
 Port 2: X.25 PLP/X.25 LAP-B/V.35  
 Underlying Stack: LAN: and WAN: Embedded in product  
 Underlying Product: 247  
 Protocols and Profiles: 0071 CLNP{IS} [ISO 8473:1988] & ES-IS{IS} [ISO 9542:1988] {Dynamic Routing Claimed}  
 ATS Used: ATS:2-7.1  
 Conformance Lab: 0364 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 219  
 Supplier: Bull Information Systems Incorporated  
 Technology Park  
 Billerica, MA 01821-4199  
 Contact: Kenneth Finkenauer  
 Tel: (508) 294-2909 Fax:  
 GOSIP Product: GCOS6/HVS  
 Version/Release: Release 2.0 Update 3  
 Release Date: 23-MAR-92  
 Additional Info:  
 Registration: PROV, GOSIP Version 1  
 Date: 04-FEB-94 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0184  
 H/W: DPS6000 w/LACS Controller  
 O/S: HVS6 Release 2 Update 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0106  
 LLC1{802.2}/MAC{802.3}/LACS Controller  
 Underlying Stack:  
 IOS 8802.2/8802.3 on Bull HN LACS Controller for HVS6 Systems  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-9 and ATS:1-7  
 Conformance Lab: 0355  
 Bull HN Conformance Test Center  
 13430 N Black Canyon Hwy, P.O. Box 8000  
 Phoenix, AZ 85029

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 230  
 Supplier: Bull Information Systems, Inc.  
 13430 North Black Canyon  
 Phoenix, AZ 85029  
 Contact: Oscar Hefner  
 Tel: (602) 862-6001 Fax: (602) 862-4026  
 GOSIP Product: DPX/20 AIX 3 Stack B  
 Version/Release: Version 1.0  
 Release Date: 01-OCT-93  
 Additional Info: None  
 Registration: PROV, GOSIP Version 2  
 Date: 08-MAR-94  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0195  
 H/W: DPX/20 Models 100, 400, 600, & 800  
 O/S: AIX Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0107  
 LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: DPX/20 AIX 802.3  
 Underlying Product:  
 Protocols and Profiles: 0004  
 TP4-CLNS/CLNP{ES} & ES-IS{ES}  
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}  
 ATS Used: ATS:2-9.1 and ATS:2-7  
 Conformance Lab: 0370  
 Conformance Expert Center for OSI Bull - CECOB  
 Rue Jean Jaures, B.P. 68  
 78340 Les Clayes/Bois France

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 94  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029  
Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051  
GOSIP Product: DPX/2 B.O.S. (Stack B)  
Version/Release: Ver 2  
Release Date: 01-OCT-91  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0087  
DPX/2 200, O/S B.O.S. 2  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer  
Underlying Product:  
Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]  
ATS Used: ATS:1-8  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 95  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029  
Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051  
GOSIP Product: Datanet (DCP 7500)  
Version/Release: DNS Ver 4 Update 1  
Release Date: 01-JAN-92  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0086  
DCP 7500  
O/S DNS Ver 4 Update 1  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack:  
DATANET DCP 7500 X.25 Packet Layer DATANET DCP 7500  
X.25 Frame Layer  
Underlying Product:  
Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]  
ATS Used: ATS:1-8  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 96  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029  
Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051  
GOSIP Product: DPX/2 B.O.S. (Stack B)  
Version/Release: Ver 2  
Release Date: 01-OCT-91  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0087  
DPX/2 200, O/S B.O.S. 2  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-7 AND ATS:1-9  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 97  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029  
Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051  
GOSIP Product: DPX/2 B.O.S. (Stack B)  
Version/Release: Ver/Rel 2  
Release Date: 01-OCT-91  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0087  
DPX/2 200, O/S B.O.S. 2  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0010  
LLC1{802.2}/MAC{802.3}  
Underlying Stack: DPX/2, BOS 2, ISO 8802-2/3 (LAN)  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-7 AND ATS:1-9  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France



## GOSIP REGISTERS, Continued

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 98  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DATANET DCP 7500  
Version/Release: DNS Ver 4 Update 1  
Release Date: 01-JAN-92  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0086  
DCP 7500  
O/S DNS Ver 4 Update 1  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0010  
LLC1{802.2}/MAC{802.3}  
Underlying Stack: Datanet DCP 7500 ISO 8802-2/3 (LAN)  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-7 AND ATS:1-9  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 99  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DATANET DCP 7500  
Version/Release: DNS Ver 4 Update 1  
Release Date: 01-JAN-92  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0086  
DCP 7500  
O/S DNS Ver 4 Update 1  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack:  
Datanet DCP 7500 X.25 Packet Layer; Datanet DCP 7500 X.25  
Frame Layer  
Underlying Product:  
Protocols and Profiles: 0011  
Transport Class 4-CONS [ISO 8073:1988]  
ATS Used: ATS:1-9  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 101  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DPX/2 B.O.S (Stack B)  
Version/Release: 2  
Release Date: 01-OCT-92  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0087  
DPX/2 200, O/S B.O.S. 2  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack:  
DPX/2 X.25 Packet Layer; DPX/2 X.25 Frame Layer  
Underlying Product:  
Protocols and Profiles: 0011  
Transport Class 4-CONS [ISO 8073:1988]  
ATS Used: ATS:1-9  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 169  
Supplier: Bull Information Systems, Incorporated  
13430 North Black Canyon Highway  
Phoenix, AZ 85029

Contact: Oscar Hefner  
Tel: (602) 862-6001 Fax: (602) 862-6051

GOSIP Product: DATANET DCP 7500  
Version/Release: DNS Ver 4 Update 1  
Release Date: 01-JAN-92  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 13-NOV-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0086  
DCP 7500  
O/S DNS Ver 4 Update 1  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack:  
Datanet DCP 7500 X.25 Packet Layer; Datanet DCP 7500 X.25  
Frame Layer  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-7 AND ATS:1-9  
Conformance Lab: 0370  
Conformance Expert Center for OSI Bull - CECOB  
Rue Jean Jaures, B.P. 68  
78340 Les Clayes/Bois France



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 38  
 Supplier: Control Data Corporation  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198  
 Contact: J. Carey  
 Tel: (612) 482-2567 Fax: (612) 482-2791  
 GOSIP Product: Control Data EP/IX Access & Directory  
 Version/Release: Ver 1.4.2  
 Release Date: 27-NOV-91  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-FEB-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0052  
 Control Data 4000  
 Control Data EP/IX Version 1.4.2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0027  
 LLC1{802.3}/10Base5  
 Underlying Stack:  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0354  
 Control Data Corporation, OSI Accredited Test Center  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 88  
 Supplier: Control Data Corporation  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198  
 Contact: Ronald Swan  
 Tel: (612) 482-6257 Fax: (612) 482-3616  
 GOSIP Product: CDCNET  
 Version/Release: Ver 1.6.1 / B720  
 Release Date: 01-MAR-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 09-NOV-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0083  
 CDCNET Device Interface DY-227-B, O/S NONE  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: CDCNET, Ver 1.6.1, X.25  
 Underlying Product:  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8  
 Conformance Lab: 0354  
 Control Data Corporation, OSI Accredited Test Center  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 170  
 Supplier: Control Data Corporation  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198  
 Contact: Ronald Swan  
 Tel: (612) 482-6257 Fax: (612) 482-3616  
 GOSIP Product: CDCNET  
 Version/Release: 1.7.1/BCU #803AA Release Date: 01-MAR-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2 Date: 09-FEB-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0153  
 CYBER 930 Host and Mainframe Device Interface (MDI),  
 Mainframe Device Interface (TDI), or Integrated  
 Communications Adapter (ICA) CYBER O/S, NOS/Ver 1.7.7, ICA  
 is stand-alone (Self Contained)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: CDCNET Ethernet Serial Channel Interface  
 Product 46 (P-2 LAN) (Registered October 15, 1992)  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS: 1-7 AND ATS:1-9  
 Conformance Lab: 0354  
 Control Data Corporation, OSI Accredited Test Center  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 233  
 Supplier: Cray Communications A/S  
 Smedeholm 12-14  
 Herlev DK 2730 Denmark  
 Contact: Sven Olav Lund  
 Tel: 45 44 53 01 00 Fax: 45 44 53 14 15  
 GOSIP Product: Cray OSI/TP4 Protocol Stack  
 Version/Release: Version 6.21  
 Release Date: 12-MAR-93  
 Additional Info: Tested hardware platform for this submission is the  
 CS-7000. Vendor claims other hardware compatibility as listed  
 in this registration.  
 Registration: PROV, GOSIP Version 2 Date: 08-MAR-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0196  
 H/W:CS-6101,CS-6264,CS-6364,CS-6600,CS-7000,CS-1400  
 H/W:TM-0101,TM-0201,TM-0601,TM-0602  
 O/S:Cray Kernel V6.10 (xcmts610.ncc)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0112  
 LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: Cray Kernel V6.10 (xcmts610.ncc)  
 Underlying Product:  
 Protocols and Profiles: 0004  
 TP4-CLNS/CLNP{ES} & ES-IS{ES}  
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn  
 Rtnng Claimed}  
 ATS Used: ATS:2-9.2 and ATS:2-7  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

# GOSIP REGISTERS, Continued

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 76

Supplier: Data General Corporation  
4400 Computer Drive, MS/D216  
Westborough, MA 01580

Contact: Charles Stakus  
Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Ver 3.0

Release Date: 01-JUN-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 23-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0053

AViiON 5000/6000 Series

DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0371

Alcatel TITN Test Center

7011 Koll Center Parkway, Suite 200

Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 77

Supplier: Data General Corporation  
4400 Computer Drive, MS/D216  
Westborough, MA 01580

Contact: Charles Stakus

Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Ver 3.0

Release Date: 01-JUN-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 23-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0053

AViiON 5000/6000 Series

DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack:

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0371

Alcatel TITN Test Center

7011 Koll Center Parkway, Suite 200

Pleasanton, CA 94566-3101

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 89

Supplier: Data General Corporation  
4400 Computer Drive, MS/D216  
Westborough, MA 01580

Contact: Charles Stakus

Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Ver 3.0

Release Date: 01-JUN-92

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2 Date: 13-NOV-92

Basis: DERIVED Base Products:

Tested Hardware/Operating System Platforms: 0053

AViiON 5000/6000 Series

DG/UX System for AViiON Systems Rev. 5.4.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: X.25 for AViiON Systems, Ver. 2.20

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: 0391

Data General Corporation, OSI Conformance Test Center

4400 Computer Drive, MS/D216

Westborough, MA 01580

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 193

Supplier: Data General Corporation  
4400 Computer Drive  
Westboro, MA 01580

Contact: Peter Conway

Tel: (508) 898-7176 Fax: (508) 898-4212

GOSIP Product: OSI/Platform for AViiON Systems

Version/Release: Version 3.30 Release Date: 01-OCT-93

Additional Info: Product tested on Model AV8500 platform. Vendor claims support for other H/W platforms as listed.

Registration: PROV, GOSIP Version 2 Date: 30-SEP-93

Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0172

HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,

AV8500, AV9000 OS: DG/UX System for AViiON Computers,

Revision 5.4R2.10

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0095

LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack:

LAN: LLC and MAC contained in DG/UX 5.4R2.10, embedded in product.

Underlying Product:

Protocols and Profiles: 0004

TP4-CLNS/CLNP{ES} & ES-IS{ES}

Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn

Rtng Claimed}

ATS Used: ATS:2-7 and ATS:2-9.2

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 207



## GOSIP REGISTERS, *Continued*

Supplier: Data General Corporation  
4400 Computer Drive  
Westboro, MA 01580  
Contact: Peter Conway  
Tel: (508) 898-7176 Fax: (508) 898-4212  
GOSIP Product: OSI/Platform for AViiON Systems  
Version/Release: Version 3.30 Release Date: 01-OCT-93  
Additional Info: Product tested over AViiON AV8500  
Registration: PROV, GOSIP Version 2 Date: 20-DEC-93  
Basis: BASE Base Products: n/a  
Tested Hardware/Operating System Platforms: 0172  
HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,  
AV8500, AV9000 OS: DG/UX System for AViiON Computers,  
Revision 5.4R2.10  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: X.25 for AViiON Systems, Ver. 2.40, 01-OCT-93,  
GOSIP Ver. 2, Product ID 204  
Underlying Product:  
Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]  
ATS Used: ATS:2-8  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 211  
Supplier: Data General Corporation  
4400 Computer Drive  
Westboro, MA 01580  
Contact: Peter Conway  
Tel: (508) 898-7176 Fax: (508) 898-4212  
GOSIP Product: OSI/Platform for AViiON Systems  
Version/Release: Version 3.30  
Release Date: 01-OCT-93  
Additional Info: Model AV8500 tested. Vendor claims support for  
other H/W models listed.  
Registration: PROV, GOSIP Version 2  
Date: 13-JAN-94  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0172  
HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,  
AV8500, AV9000 OS: DG/UX System for AViiON Computers,  
Revision 5.4R2.10  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0063  
X.25 PLP/X.25 LAP-B/RS-232C  
Underlying Stack:  
X.25 for AViiON Systems, Version 2.40, 01-OCT-93, GOSIP  
Version 2, Product ID: 204  
Underlying Product:  
Protocols and Profiles: 0004  
TP4-CLNS/CLNP{ES} & ES-IS{ES}  
Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn  
Rtng Claimed}  
ATS Used: ATS:2-7 and ATS:2-9.2  
Conformance Lab: 0364  
CDA, Incorporated  
8301 Greensboro Drive, #350  
McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 128  
Supplier: Digital Equipment Corp  
550 King Street  
Littleton, MA 01460-1289  
Contact: Richard Duhamel  
Tel: (508) 486-5021 Fax: (508) 486-7417  
GOSIP Product: DECnet-VAX (TM) Ver 5.4 EXTENSIONS  
Version/Release: Ver 5.4 Release Date: 01-SEP-91  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2 Date: 26-JAN-93  
Basis: BASE Base Products: n/a  
Tested Hardware/Operating System Platforms: 0113  
MicroVAX 3800 VMS Ver 5.4  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack:  
VAX Packet System Interface for DECnet(TM) 5.4 Extensions,  
September 1991  
Underlying Product:  
Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]  
ATS Used: ATS:1-8  
Conformance Lab: 0362  
Digital Equipment Corporation, OSI Conformance  
Interoperability Test Center  
550 King Street, MS LKG2A/R5  
Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 129  
Supplier: Digital Equipment Corp  
550 King Street  
Littleton, MA 01460-1289  
Contact: Richard Duhamel  
Tel: (508) 486-5021 Fax: (508) 486-7417  
GOSIP Product: DECnet/OSI for OpenVMS VAX V5.5/VOTS, v3.0A  
Version/Release: Ver 3.0A Release Date: 11-SEP-92  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2 Date: 13-JAN-93  
Basis: DERIVED Base Products:  
Tested Hardware/Operating System Platforms: 0115  
MicroVAX - II, 2000, 3100, 3300/3400, 3500, 3600, 3800, 3900  
VAXstation - II, 2000, 3100, 3200, 3500, 3520, 3540, 4000  
VAXserver - 3100, 3300/3400, 3500, 3600, 3602, 3800, 3900,  
6000 VAX - 11/730, 11/750, 11/780, 11/785, 4000, 6000, 8200,  
8250, 8300, 8350, 85xx, 8600, 8650, 8700, 8800, 8810, 8820,  
8830, 8840, 9000 VAXft - M110/310, M410/610/612, WITH O/S  
OpenVMS V5.5  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0010  
LLC1{802.2}/MAC{802.3}  
Underlying Stack:  
Digital DESQA CSMA/CD LAN Controller; DEC (MAU) 44005;  
DEC (AUI) BNE4D-02; DEC (LLC) OpenVMS for VAX, Ver 5.5-2  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-7 AND ATS:1-9  
Conformance Lab: 0362  
Digital Equipment Corporation, OSI Conformance  
Interoperability Test Center  
550 King Street, MS LKG2A/R5  
Littleton, MA 01460-1289



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 144  
 Supplier: Digital Equipment Corp  
 550 King Street  
 Littleton, MA 01460-1289  
 Contact: Richard Duhamel  
 Tel: (508) 486-5021 Fax: (508) 486-7417  
 GOSIP Product: DECnet/OSI for ULTRIX  
 Version/Release: Ver 5.1-ECO0193 Release Date: 02-JAN-93  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2 Date: 31-MAR-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0135  
 1- DECstations 2100, 3100s, 5000/20, 5000/25, 5000/120, 5000/125,  
 5000/200, and 500/240 w Integrated Ethernet Controller  
 ULTRIX Worksystem Software, Ver 4.2A  
 2- DECsystems 5000/200, 5000/240, 5100, 5400, 5500, 5810, 5820,  
 5830, 5840, 5900 with Integrated Ethernet Controller  
 ULTRIX Ver 4.2A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: DECnet/OSI for ULTRIX Ver 5.1-EC00193  
 Layered product for ULTRIX; Chipset integrated  
 with the CPU  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance  
 Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 54  
 Supplier: Digital Equipment Corporation  
 Digital Park  
 Reading RG2 OTE United Kingdom  
 Contact: Bill Daley  
 GOSIP Product: DECnet-VAX (TM) Extensions Ver 5.4A/VOTS V 3.0A  
 Version/Release: 5.4A Release Date: 01-APR-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2 Date: 16-AUG-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0066  
 Digital VAX Computer with VMS C5.4A+ Operating System  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack:  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance  
 Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 55  
 Supplier: Encore Computing Corporation  
 6901 West Sunrise Boulevard  
 Ft. Lauderdale, FL 33313-4499  
 Contact: Augie Gonzales  
 Tel: (305) 587-2900 Fax: (305) 797-5807  
 GOSIP Product: Encore EnComm ISO Transport Services  
 Version/Release: Ver 3.0.0  
 Release Date: 01-AUG-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2 Date:  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0067  
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: EnComm VME Ethernet Dvr 2.1 over Encore  
 VME Ethernet Cntrlr (VSSC) #8513-047 SynOptics  
 Enterprise/Dpt Hub Configuration  
 Underlying Product:  
 Protocols and Profiles: 0046  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 56  
 Supplier: Encore Computing Corporation  
 6901 West Sunrise Boulevard  
 Ft. Lauderdale, FL 33313-4499  
 Contact: Augie Gonzales  
 Tel: (305) 587-2900 Fax: (305) 797-5807  
 GOSIP Product: EnComm ISO Transport Services  
 Version/Release: Ver 3.0.0  
 Release Date: 01-AUG-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 31-AUG-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0067  
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0094  
 CLNP{ES}/LLC1{802.2}/MAC{802.3}  
 CLNP{ES}/X.25 PLP/X.25 LAP-B  
 Underlying Stack: Encore/SynOptics LattisNet Mdl 3030  
 CLNP{ES}/LAN; Encore/SynOptics Departmental  
 Hub CLNP{ES}/LAN; EnComm ISO  
 CLNP{ES}/EnComm X.25 and PAD Revision 3.0  
 Underlying Product:  
 Protocols and Profiles: 0075  
 Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]  
 ATS Used: ATS:1-9  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 57

Supplier: Encore Computing Corporation  
6901 West Sunrise Boulevard  
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales

Tel: (305) 587-2900 Fax: (305) 797-5807

GOSIP Product: EnComm ISO Transport Services

Version/Release: Ver 3.0.0

Release Date: 01-JUL-92

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 31-AUG-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0067

Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Encore EnComm X.25 and PAD Rev 3.0.0,  
15-JUN-92

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 58

Supplier: Encore Computing Corporation  
6901 West Sunrise Boulevard  
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales

Tel: (305) 587-2900 Fax: (305) 797-5807

GOSIP Product: Encore EnComm ISO Transport Services  
SynOptics LattisNet Mdl 3030 Concentrator

Version/Release: VER 3.0.0

Release Date: 01-AUG-92

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 27-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0067

Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0095

LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack:

EnComm VME Ethernet Dvr 2.1 over Encore VME Ethernet  
Cntrlr (VSSC) #8523-444 SynOptics LattisNet Model 3030  
Concentrator, 3313 Ethernet MMM, and 3308 Host

Underlying Product:

Protocols and Profiles: 0046

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 78

Supplier: Encore Computing Corporation  
6901 West Sunrise Boulevard  
Ft. Lauderdale, FL 33313-4499

Contact: Augie Gonzales

Tel: (305) 587-2900 Fax: (305) 797-5807

GOSIP Product: Encore EnComm ISO Transport Services over  
SynOptics Enterprise/Dpt Hub Configur.

Version/Release: Ver 3.0.0

Release Date: 01-AUG-92

Additional Info: Components of SynOptics Enterprise/Department  
Hub Configuration listed in underlying stack.

Registration: PROV, Grndfthrd, V1->V2

Date: 27-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0067

Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0095

LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack: EnComm VME Ethnt Dvr 2.1, Encore VME Ethnt  
Cntrl 8513-047, Hub (3000N, 3313A-04, 3314A-04, 504A,  
3595A-01, 3308A, 2813-04, 3304-ST, 3301, 3323S, 3383-02,  
508A)

Underlying Product:

Protocols and Profiles: 0046

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7

Conformance Lab: 0364

CDA, Incorporated

8301 Greensboro Drive, #350

McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 4

Supplier: Hewlett-Packard Company  
19420 Homestead Road  
Cupertino, CA 95014-9810

Contact: Murali Subbarao

Tel: (408) 447-2822 Fax: (408) 447-3660

GOSIP Product: HP OSI Transport Services/9000, P/N 32070A

Version/Release: Ver C.02.00

Release Date: 10-JUN-91

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 28-MAY-91

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0013

HP 9000 Series 800/HP-UX Operating System, Version 8.0

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0365

Hewlett-Packard Company, OSI Conformance Test Center  
19420 Homestead Road, MS 43UJ  
Cupertino, CA 95014-9810



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 212  
 Supplier: Hewlett-Packard Company  
 19420 Homestead Road  
 Cupertino, CA 95014-9810  
 Contact: Murali Subbarao  
 Tel: (408) 447-2822 Fax: (408) 447-3660  
 GOSIP Product: HP OSI Transport Services/9000 (OTS/9000) Ser 800  
 Version/Release: Version C.04.00 (PHNE\_2954)  
 Release Date: 17-AUG-93  
 Additional Info: OTS/9000 is available on all machines in the HP9000 Series 800 family. OTS runs on top of 10Base2, 10BaseT or 10Base5 and utilizes the same driver for each.  
 Registration: PROV, GOSIP Version 2 Date: 10-JAN-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0181  
 HW: HP9000 Series 800 OS: HP-UX Version A.09.00  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0104 LLC1{802.2}/MAC{802.3}/10Base2  
 LLC1{802.2}/MAC{802.3}/10BaseT  
 LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: LAN/9000 LinkHP J2146A for HP9000 Series 8x7,890 & LAN/9000 LinkHP 36967A for HP9000 Series 8x2, and other series 800. Can be bundled on Series 8x7, and 890.  
 Underlying Product:  
 Protocols and Profiles: 0004 TP4-CLNS/CLNP{ES} & ES-IS{ES}  
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}  
 ATS Used: ATS:2-9.2 and ATS:2-7  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 213  
 Supplier: Hewlett-Packard Company  
 19420 Homestead Road  
 Cupertino, CA 95014-9810  
 Contact: Murali Subbarao  
 Tel: (408) 447-2822 Fax: (408) 447-3660  
 GOSIP Product: HP OSI Transport Services/9000 (OTS/9000) Ser 700  
 Version/Release: Version C.04.00 (PHNE\_2955)  
 Release Date: 17-AUG-93  
 Additional Info: OTS/9000 is available on all machines in the HP 9000 Series 700 family. OTS runs on top of 10Base2, 10BaseT, or 10Base5 and utilizes the same driver for each.  
 Registration: PROV, GOSIP Version 2 Date: 10-JAN-94  
 Basis: DERIVED Base Products:  
 Tested Hardware/Operating System Platforms: 0182  
 HW: HP 9000 Series 700 OS: HP-UX Version A.09.00  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0104 LLC1{802.2}/MAC{802.3}/10Base2  
 LLC1{802.2}/MAC{802.3}/10BaseT  
 LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: LAN/9000 Link HP 25567A for HP 9000 Series 700. Tested on HP 9000 Series 827S.  
 Underlying Product:  
 Protocols and Profiles: 0004  
 TP4-CLNS/CLNP{ES} & ES-IS{ES}  
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}  
 ATS Used: ATS:2-9.2 and ATS:2-7  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 23  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem  
 Version/Release: Ver 1 Rel 1.1  
 Release Date: 01-DEC-90  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-NOV-91  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0036  
 (1) HW: IBM Systems 370/390  
 (1) OS: IBM MVS/ESA Ver 3 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 24  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem  
 Version/Release: Ver 1 Rel 1.1  
 Release Date: 01-DEC-90  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-NOV-91  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0037  
 HW: IBM Systems 370/390  
 OS: IBM VM/ESA Ver 1 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: Provided By IBM NCP Packet Switching Interface.  
 Underlying Product:  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 25  
Supplier: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy  
Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem  
Version/Release: Ver 1 Rel 1.1  
Release Date: 01-DEC-90  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 01-NOV-91  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0038  
HW: IBM Systems 370/390  
OS: IBM VM/SP Rel 5  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: Provided by IBM NCP Packet Switching Interface.  
Underlying Product:  
Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]  
ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 26  
Supplier: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy  
Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem  
Version/Release: Ver 1 Rel 1.1  
Release Date: 01-DEC-90  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 01-NOV-91  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0173  
HW: IBM Systems 370/390  
OS: IBM MVS/XA Ver 2 Rel 2  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: Provided by IBM NCP Packet Switching Interface.  
Underlying Product:  
Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]  
ATS Used: ATS:1-8

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 33  
Supplier: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy

Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem  
Version/Release: Ver 1 Rel 1.1  
Release Date: 01-DEC-90  
Additional Info: None  
Registration: PROV, Grndfthrd, V1->V2  
Date: 12-FEB-92  
Basis: BASE  
Base Products: n/a  
Tested Hardware/Operating System Platforms: 0036  
(1) HW: IBM Systems 370/390  
(1) OS: IBM MVS/ESA Ver 3 Rel 1  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: Provided by IBM NCP Packet Switching Interface.  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-9 and ATS:1-7

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 34  
Supplier: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy

Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem  
Version/Release: Ver 1 Rel 1.1  
Release Date: 01-DEC-90  
Additional Info:  
Registration: PROV, Grndfthrd, V1->V2  
Date: 12-FEB-92  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 0049  
HW: IBM Systems 370/390  
OS: IBM MVS/XA Ver 2 Rel 2, VM/SP Rel 5, VM/ESA Ver 1 Rel 1  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B  
Underlying Stack: Provided by IBM NCP Packet Switching Interface.  
Underlying Product:  
Protocols and Profiles: 0003  
TP4-CLNS/CLNP{ES}  
Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
CLNP{ES} [ISO 8473:1988] {Static Routing}  
ATS Used: ATS:1-9 and ATS:1-7

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 35  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy  
 Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 12-FEB-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0036

(1) HW: IBM Systems 370/390

(1) OS: IBM MVS/ESA Ver 3 Rel 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack:

Software: IBM OSI/Comm Subsystem V.1 R1.1 in IBM/S/  
 390[802.2]; Interconnect Controller Program V1.0 on IBM  
 Interconnect Controller Program (802.3). Hardware: IB

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 36

Supplier: IBM Rome Networking Systems Laboratory

Via Paolo Di Dono 44

00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 12-FEB-92

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0049

HW: IBM Systems 370/390

OS: IBM MVS/XA Ver 2 Rel 2, VM/SP Rel 5, VM/ESA Ver 1 Rel 1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0011

Transport Class 4-CONS [ISO 8073:1988]

ATS Used: ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 112  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI Communications Subsystem/400

Version/Release: Ver 2 Rel 1.1

Release Date: 01-MAR-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 18-DEC-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0098

AS/400 9404

OS/400 Ver 2 Rel 1.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack:

IBM AS/400 X.25 Communications Support Program, Ver 2,  
 Release 1.1

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0392

IBM Rome Networking Systems Laboratory

Via Paolo Di Dono 44

00143 Rome Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 116

Supplier: IBM Rome Networking Systems Laboratory

Via Paolo Di Dono 44

00143 Rome Italy

Contact: Alberto Sinibaldi

Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI/Communications Subsystem

Version/Release: Ver 1 Rel 1.1

Release Date: 01-DEC-90

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 04-JAN-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0101

IBM Enterprise System/390 All Models (S/390, 43xx, 30xx),

IBM MVS/ESA, MVS/XA, IBM VM/SP, VM/ESA

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack: Provided by IBM NCP Packet Switching Interface.

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 117

Supplier: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy

Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: IBM AIX OSI Messaging and Filing/6000

Version/Release: Ver 1, Level 180

Release Date: 01-DEC-90

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 04-JAN-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0102

IBM RISC System/6000 All Models (7011, 7012, 7013, 7015,  
6016, OS AIX/6000

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Software: IBM AIX/6000 Ver 3.1.5; Hardware: Ethernet Adapter  
7013-2890

Underlying Product:

Protocols and Profiles: 000

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 209

Supplier: IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy

Contact: Alberto Sinibaldi  
Tel: 39 6 5966-2281 Fax: 39 6 5966-2467

GOSIP Product: OSI Communications Subsystem/400

Version/Release: Version 2 Release 3

Release Date: 01-DEC-93

Additional Info: Derived from Base product ID: 112, which was  
grandfathered

GOSIP V1 to V2

Registration: PROV, Grndfthrd, V1->V2

Date: 20-DEC-93

Basis: DERIVED

Base Products:

Tested Hardware/Operating System Platforms: 0179

HW: AS/400

OS: OS/400 Version 2 Release 3

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: AS/400 X.25 Communications Support, Version 2  
Release 3, GOSIP Product ID: 183

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:1-8

Conformance Lab: 0392

IBM Rome Networking Systems Laboratory  
Via Paolo Di Dono 44  
00143 Rome Italy

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 51  
Supplier: NCR

9900 Old Grove Road

San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR UNIX OSI Network Services

Version/Release: Ver 2.00.02 Release Date: 17-APR-92

Additional Info: Same product also registered over X.25 (Product ID  
82) and for TP0 over X.25 (Product ID 83)

Registration: PROV, Grndfthrd, V1->V2 Date: 07-AUG-92

Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0063

HW: NCR System 3000 consisting of the following hardware  
models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600 OS:  
NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010 LLC1{802.2}/MAC{802.3}

Underlying Stack: NCR System 3000, Integrated LAN Driver Ver  
2.00 Western Digital WD8003

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0363

Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 82

Supplier: NCR

9900 Old Grove Road

San Diego, CA 92131

Contact: Wendy Morrison

Tel: (619) 693-5665 Fax: (619) 693-5705

GOSIP Product: NCR UNIX OSI Network Services

Version/Release: Ver 2.01 Release Date: 08-SEP-92

Additional Info: Same product also registered over LAN (Product ID  
51) and for TP0 over X.25 (Product ID 83)

Registration: PROV, Grndfthrd, V1->V2

Date: 27-OCT-92

Basis: DERIVED Base Products:

Tested Hardware/Operating System Platforms: 0063

HW: NCR System 3000 consisting of the following  
hardware models: 3320, 3340, 3345, 3447, 3450,  
3550, and 3600 OS: NCR UNIX SVR4, (MP-RAS), Rel 2

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet  
Layer]; NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR  
Multi-Protocol Communications Adapter/Firmware Ver 1.1A  
[Phys Layer]

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0363

Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 83  
 Supplier: NCR  
     9900 Old Grove Road  
     San Diego, CA 92131  
 Contact: Wendy Morrison  
     Tel: (619) 693-5665 Fax: (619) 693-5705  
 GOSIP Product: NCR UNIX OSI Network Services  
 Version/Release: Ver 2.01  
 Release Date: 08-SEP-92  
 Additional Info: Same product also registered for TP4 (Product ID 51 and Product ID 82)  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 27-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0063  
     HW: NCR System 3000 consisting of the following hardware models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600 OS: NCR UNIX SVR4, (MP-RAS), Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
     X.25 PLP/HDLC LAP-B  
 Underlying Stack: NCR System 3000, X.25 Ntwrk Svcs [Packet Layer]; NCR MUOE HDLC Ver 1.04 [Link Layer]; NCR Multi-Protocol Communications Adapter/Firmware Ver 1.1A [Phys Layer]  
 Underlying Product:  
 Protocols and Profiles: 0010  
     Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8  
 Conformance Lab: 0363  
     Corporation for Open Systems International Test Center  
     8260 Willow Oaks Corp Drive, Suite 700  
     Fairfax, VA 22031

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 49  
 Supplier: Novell Incorporated  
     2180 Fortune Drive  
     San Jose, CA 95131  
 Contact: Jan Provan  
     Tel: (408) 473-8422 Fax: (408) 433-9827  
 GOSIP Product: NetWare FTAM Transport Component  
 Version/Release: Ver 1.2 Rev B  
 Release Date: 20-APR-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2 Date: 24-JUN-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0058  
     AST Premium 386/33 with 8 MB RAM NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet card (802.3)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
     LLC1{802.2}/MAC{802.3}  
 Underlying Stack: NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet  
 Underlying Product:  
 Protocols and Profiles: 0003  
     TP4-CLNS/CLNP{ES}  
     Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
     CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0357  
     National Computing Centre Limited  
     Oxford Road  
     Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 50  
 Supplier: Novell Incorporated  
     2180 Fortune Drive  
     San Jose, CA 95131  
 Contact: Jan Provan  
     Tel: (408) 473-8422 Fax: (408) 433-9827  
 GOSIP Product: NetWare FTAM Transport Component  
 Version/Release: Ver 1.2 Rev B  
 Release Date: 20-APR-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 24-JUN-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0058  
     AST Premium 386/33 with 8 MB RAM  
     NOVELL 3.11 Operating System over NOVELL NE2000 Ethernet card (802.3)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
     LLC1{802.2}/MAC{802.3}  
 Underlying Stack: NOVELL Ver 3.11 Operating System Over LLC1{802.2}/MAC{802.4} NE2000 and IBM 4MB Token Ring Card  
 Underlying Product:  
 Protocols and Profiles: 0003  
     TP4-CLNS/CLNP{ES}  
     Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
     CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0357  
     National Computing Centre Limited  
     Oxford Road  
     Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 111  
 Supplier: Retix  
     2401 Colorado Avenue  
     Santa Monica, CA 90404  
 Contact: Jeff Stone  
     Tel: (310) 828-3400 Fax: (310) 828-2255  
 GOSIP Product: LT-610  
 Version/Release: Ver 2.3.0 Release Date: 01-OCT-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2 Date: 18-DEC-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0099  
     Vendor claims all Intel 386 and 486 based platforms using state d o/s. Test platform was Intel 486DX (Alpha Systems Laboratory, Incorporated ASL486/33 ASL433), O/S UNIX System V Release 3.2 (SUN Soft Interactive Ver 3.0)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
     LLC1{802.2}/MAC{802.3}  
 Underlying Stack: S/W: Retix LT-610, Ver 2.3.0; H/W: Western Digital Model WD8003.  
 Underlying Product:  
 Protocols and Profiles: 0003  
     TP4-CLNS/CLNP{ES}  
     Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
     CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0357  
     National Computing Centre Limited  
     Oxford Road  
     Manchester M17ED United Kingdom

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 132

Supplier: Retix

2401 Colorado Avenue  
Santa Monica, CA 90404

Contact: Jeff Stone

Tel: (310) 828-3400 Fax: (310) 828-2255

GOSIP Product: LT-610

Version/Release: Ver 2.3.0

Release Date: 01-OCT-92

Additional Info: None

Registration: PROV, Grndfthrd, V1->V2

Date: 05-FEB-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0120

Intel 386 (Tatung) O/S UNIX System V Rel 3.2 (SCO UNIX 4.0)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack:

Retix LT-610, Ver 2.3.0; Western Digital Model WD8003

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 and ATS:1-9

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 187

Supplier: SUN Microsystems, Inc.

32 Chemin du Vieux Chene  
Meylan F-38240 France

Contact: Tom Hull

Tel: +33 76 41 42 43 Fax: +33 76 41 42 41

GOSIP Product: SUNLink OSI

Version/Release: Version 8.0

Release Date: 08-AUG-93

Additional Info:

Registration: PROV, GOSIP Version 2

Date: 26-AUG-93

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0169

HW: All SUN SPARC Hardware

OS: Solaris 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0046

X.25 PLP/HDLC LAP-B

Underlying Stack: Sunlink X.25 8.0

Underlying Product:

Protocols and Profiles: 0010

Transport Class 0 [ISO 8073:1988]

ATS Used: ATS:2-8

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 188

Supplier: SUN Microsystems, Inc.

32 Chemin du Vieux Chene  
Meylan F-38240 France

Contact: Tom Hull

Tel: +33 76 41 42 43 Fax: +33 76 41 42 41

GOSIP Product: Sunlink OSI

Version/Release: Version 8.0 Release Date: 08-AUG-93

Additional Info:

Registration: PROV, GOSIP Version 2 Date: 09-SEP-93

Basis: BASE Base Products: n/a

Tested Hardware/Operating System Platforms: 0170

HW: SparcStation 10 Model 41 OS: Solaris 2.1

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0095

LLC1{802.2}/MAC{802.3}/10BaseT

Underlying Stack: Sunlink OSI 8.0 LLC Module, implementing LLC1,  
the Solaris 2.1 Lance Ethernet driver and Am7990 combination-  
implementing ISO8802-3 Sun Motherboard LAN Interface

Underlying Product:

Protocols and Profiles: 0004

TP4-CLNS/CLNP{ES} & ES-IS{ES}

Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn  
Rtnng Claimed}

ATS Used: ATS:2-9.2 and ATS:2-7

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 66

Supplier: SUN Microsystems, Inc. International Centre for Network  
Computing

32 Rue du Vieux Chene F-38240 Meylan  
France

Contact: Tom Hull

Tel: +33 76 41 42 18 Fax: +33 76 41 42 41

GOSIP Product: SunNet OSI (Transport)

Version/Release: Ver 7.1

Release Date: 01-OCT-92

Additional Info:

Registration: PROV, Grndfthrd, V1->V2

Date: 14-OCT-92

Basis: BASE

Base Products: n/a

Tested Hardware/Operating System Platforms: 0076

SUN Microsystems SPARCstation 2-4/75

SUN O/S 4.1.2 (Solaris 1.0.1)

Claimed Compatibility Hardware/Software Platforms: 0001

Connectivity: 0010

LLC1{802.2}/MAC{802.3}

Underlying Stack: SUNNET OSI Ver 7.1 LLC1 (HW) Sun CPU board  
LAN Interface

(802.3)

Underlying Product:

Protocols and Profiles: 0003

TP4-CLNS/CLNP{ES}

Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]

CLNP{ES} [ISO 8473:1988] {Static Routing}

ATS Used: ATS:1-7 AND ATS:1-9

Conformance Lab: 0357

National Computing Centre Limited

Oxford Road

Manchester M17ED United Kingdom



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 85  
 Supplier: SUN Microsystems, Inc. International Centre for Network Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SunNet OSI (Transport)  
 Version/Release: Ver 7.1  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-NOV-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0076  
 SUN Microsystems SPARCstation 2-4/75  
 SUN O/S 4.1.2 (Solaris 1.0.1)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: SunNet X.25 Ver 7.0.1  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 AND ATS:1-9  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 87  
 Supplier: SUN Microsystems, Inc. International Centre for Network Computing  
 32 Rue du Vieux Chene F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SunNet OSI (Transport)  
 Version/Release: Ver 7.1  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 25-NOV-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0076  
 SUN Microsystems SPARCstation 2-4/75  
 SUN O/S 4.1.2 (Solaris 1.0.1)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: SunNet X.25 Ver 7.0.1  
 Underlying Product:  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 217  
 Supplier: SUN Microsystems, Inc. International Centre for Network Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: Sunlink OSI  
 Version/Release: Version 8.0 Release Date: 08-AUG-93  
 Additional Info: Vendor claims support for all SUN SPARC Hardware Platforms  
 Registration: PROV, GOSIP Version 2 Date: 25-JAN-94  
 Basis: DERIVED Base Products:  
 Tested Hardware/Operating System Platforms: 0170  
 HW: SparcStation 10 Model 41  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0063  
 X.25 PLP/X.25 LAP-B/RS-232C  
 Underlying Stack: Sunlink X.25 8.0  
 Underlying Product:  
 Protocols and Profiles: 0004  
 TP4-CLNS/CLNP{ES} & ES-IS{ES}  
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn Rtnng Claimed}  
 ATS Used: ATS:2-9 and ATS:2-7  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 106  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUN SPARCstation 10 Model 42 w/SUNLink OSI 8.0  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-DEC-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0092  
 HW: SPARCstation 10 Model 42  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack:  
 AMD, Lance 7990 Ethernet Controller. SUN Solaris 2.1 Ethernet Driver  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 107  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUN SPARCstation 4/30 w/SUNLink OSI 8.0  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-DEC-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0094  
 HW: SPARCstation 4/30  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN  
 Solaris 2.1 Ethernet Driver  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 108  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUN SPARCstation 10 Model 30 w/SUNLink OSI 8.0  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-DEC-92 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0095  
 HW: SPARCstation 10 Model 30  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack:  
 AMD, Lance 7990 Ethernet Controller SUN Solaris 2.1 Ethernet  
 Driver  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 109  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUN, RDI BrightLite Model IPX Color Laptop  
 Workstation w/SUNLink OSI 8.0  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-DEC-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0096  
 RDI BrightLite IPX Color Laptop Workstation  
 Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: AMD, Lance 7990 Ethernet Controller. SUN  
 Solaris 2.1 Ethernet Driver  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 142  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUN SPARCstation 10 Model 41 w/SUNLink OSI 8.0  
 Version/Release: Ver 8.0 Release Date: 04-AUG-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-DEC-92 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0093  
 HW: SPARCstation 10 Model 41  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: AMD, Lance 7990 Ethernet Controller SUN  
 Solaris 2.1 Ethernet Driver  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 59  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: CMS 1100/OSITS  
 Version/Release: 7R2B+PCR15312/2R1A+PCRs192,193,194,197  
 Release Date: 01-MAR-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 01-SEP-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0068  
 2200 System and 1100/90 Processors, DCP-15 through DCP-55  
 Front End Processors. Operating System OS1100 Exec on  
 processor DCP/OS 5R2A, TELCON 9R1A on Front End  
 Processors  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: LAN Platform 2R2A, DCP 802.3; LAN Line  
 Module Feature #F5137-00  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 AND ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 71  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: DCP OSITS  
 Version/Release: 2R1A,+192-194,197,199,202,203,205,207  
 Release Date: 01-MAR-92 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-OCT-92 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0078  
 DCP-15 through DCP-55 Front End Processors  
 DCP/OS Ver 5R2A and TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack:  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 AND ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 72  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: DCP OSITS  
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207  
 Release Date: 01-MAR-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0078  
 DCP-15 through DCP-55 Front End Processors  
 DCP/OS Ver 5R2A and TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack:  
 Underlying Product:  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 73  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: DCP OSITS  
 Version/Release: 2R1A + 192-194,197,199,202,203,205,207  
 Release Date: 01-MAR-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0078  
 DCP-15 through DCP-55 Front End Processors  
 DCP/OS Ver 5R2A and TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: LAN Platform 2R2A, DCP 802.3 LAN Line Module,  
 Feature  
 #F5137-00  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 AND ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 81  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: CMS 1100/OSITS Ver 7R2B + PCR 15312, 192-194,  
 197, 199, 202, 203, 205, 207  
 Version/Release: Rel 2R1A Release Date: 01-MAR-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2 Date: 16-OCT-92  
 Basis: DERIVED Base Products:  
 Tested Hardware/Operating System Platforms: 0082  
 OS1100 Exec. Ver 43R2 running on 2200 systems and 1190/90  
 Processors DCP-15 through DCP-55 Front End Processors, O/S  
 OS1100 Exec. on Processors DCP/OS 5R2A, Telcon 9R1A on  
 Front End Processors  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: X.25 PSCS Ver 51RA plus PCRs 1891-1899,  
 1902, 1911, 1923, 1929.  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 AND ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 133  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: A-Series CP2000 OSI-IPC Software  
 Version/Release: Ver 30.00.199  
 Release Date: 11-DEC-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 05-FEB-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0121  
 Mainframe: A6 (TP4), FEP: CP2000 (CLNP)  
 O/S Mainframe: A-Series System Software, Ver 4.0 (TP4)  
 FEP: CP2000 Operating Software, V3.0 (CLNP)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack: S/W: CP2000 O/S V3.0; H/W: CP2000 with LMH  
 Card  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 136  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: A-Series/CP2000 OSI-IPC Software, Unisys Product  
 113/P4.3  
 Version/Release: Ver 30.00.200 Release Date: 05-JAN-93  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 26-FEB-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0124  
 A-Series Processor  
 A-Series System Software, Version 4.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92  
 Underlying Product:  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 ATS Used: ATS:1-8  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 137  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: A-Series/CP2000 OSI-IPC Software  
 Version/Release: Ver 30.00.200  
 Release Date: 05-JAN-93  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 16-FEB-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0124  
 A-Series Processor  
 A-Series System Software, Version 4.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: CP2000 X.25, Ver 30.00.192, 30-SEP-92  
 Underlying Product:  
 Protocols and Profiles: 0011  
 Transport Class 4-CONS [ISO 8073:1988]  
 ATS Used: ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 145  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: A-Series/CP2000 OSI-IPC Software  
 Version/Release: Ver 30.00.199 Release Date: 11-DEC-92  
 Additional Info:  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 16-FEB-93  
 Basis: DERIVED Base Products:  
 Tested Hardware/Operating System Platforms: 0133  
 H/W: Mainframe: A6 (TP4), FEP: CP2000 (CLNP)  
 O/S: Mainframe: A-Series System Software, Ver 4.0  
 (TP4), FEP: CP2000 Operating Software, Ver 3.0  
 (CLNP)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack: CP2000 X.25 Ver 30.00.192, 30-SEP-92  
 Underlying Product:  
 Protocols and Profiles: 0003  
 TP4-CLNS/CLNP{ES}  
 Transport Class 4-CLNS[ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 ATS Used: ATS:1-7 and ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 171  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: DCP OSITS  
 Version/Release: 2R1A, +192-194,197,199,202,203,205,207  
 Release Date: 01-MAR-92  
 Additional Info: None  
 Registration: PROV, Grndfthrd, V1->V2  
 Date: 19-OCT-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0078  
 DCP-15 through DCP-55 Front End Processors  
 DCP/OS Ver 5R2A and TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack:  
 Underlying Product:  
 Protocols and Profiles: 0011  
 Transport Class 4-CONS [ISO 8073:1988]  
 ATS Used: ATS:1-9  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-004 TRANSPORT and CLNP Product ID: 239  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: CMS-1100  
 Version/Release: Version 7R3A, PCR 16961  
 Release Date: 22-NOV-93  
 Additional Info: Tested hardware platform is 2200/200. Vendor  
 claims compatible hardware as listed.  
 Registration: PROV, GOSIP Version 2  
 Date: 23-MAR-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0199  
 H/W: 2200/200 through 2200/900  
 O/S: OS1100 SB4R6  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0107  
 LLC1{802.2}/MAC{802.3}/10Base5  
 Underlying Stack: CMS-1100  
 Underlying Product:  
 Protocols and Profiles: 0004  
 TP4-CLNS/CLNP{ES} & ES-IS{ES}  
 Transport Class 4-CLNS [ISO 8073:1988/Add2:1989]  
 CLNP{ES} [ISO 8473:1988] & ES-IS{ES} [ISO 9542:1988] {Dyn  
 Rtnng Claimed}  
 ATS Used: ATS:2-9.2 & ATS:2-7  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-005 Session Product ID: 229  
 Supplier: Bull Information Systems, Inc.  
 13430 North Black Canyon  
 Phoenix, AZ 85029  
 Contact: Tom Cody  
 Tel: (602) 862-5114 Fax: NONE  
 GOSIP Product: DPX/20 AIX 3 Stack B (Session)  
 Version/Release: Version 1.0 Release Date: 01-MAY-93  
 Additional Info: Verified for use only in support of FTAM. Tested  
 hardware platform is DPX/20 Model 400. Vendor claims  
 hardware compatibility as listed.  
 Registration: PROV, GOSIP Version 2  
 Date: 08-MAR-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0195  
 H/W: DPX/20 Models 100, 400, 600, & 800  
 O/S: AIX Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: DPX/20 AIX 3 Stack B  
 Underlying Product: 230  
 Protocols and Profiles: 0089  
 Session  
 Session [ISO 8327:1987]  
 ATS Used: ATS:2-10.1  
 Conformance Lab: 0370  
 Conformance Expert Center for OSI Bull - CECOB  
 Rue Jean Jaures, B.P. 68  
 78340 Les Clayes/Bois France



# GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 154  
 Supplier: Control Data Systems, Incorporated  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198  
 Contact: B. Sekhon  
 Tel: (612) 482-3868 Fax: (612) 482-2791  
 GOSIP Product: MAIL\*HUB MHS/4000  
 Version/Release: Ver 2.0.1  
 Release Date: 29-JAN-93  
 Additional Info: This product does not support MTA Relaying  
 Registration: PROV, GOSIP Version 1  
 Date: 04-MAY-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0144  
 Control Data CD 4000 Series  
 EP/IX 2.0.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Control Data EP/IX Access and Directory V 1.4.2  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15  
 Conformance Lab: 0354  
 Control Data Corporation, OSI Accredited Test Center  
 4201 North Lexington Avenue  
 Arden Hills, MN 55126-6198

Product Code/Type: P-006 MHS Product ID: 110  
 Supplier: Data General Corporation  
 4400 Computer Drive, MS/D216  
 Westborough, MA 01580  
 Contact: Charles Stakus  
 Tel: (508) 870-6392 Fax: (508) 898-4694  
 GOSIP Product: X.400 for AViiON Sys (X.400 for AViiON Sys/3.0)  
 (OSI for AViiON)  
 Version/Release: Ver 3.10 Release Date: 01-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 01-DEC-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0091  
 AViiON Series 5000, VSC Synchronous Comms Controller,  
 O/S, DG/UX Rel. 5.4.1, AV/X.25 Rel. 2.2.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: OSI/Platform for AViiON System Ver 3.0 [TP0].  
 X.25 for AViiON System Ver 2.20  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 and ATS:1-14  
 Conformance Lab: 0391  
 Data General Corporation, OSI Conformance Test Center  
 4400 Computer Drive, MS/D216  
 Westborough, MA 01580

Product Code/Type: P-006 MHS Product ID: 223  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-7176 Fax: (508) 898-4212  
 GOSIP Product: OpenMail for AViiON Systems  
 Version/Release: Version A.01.01.eo, Rev. 1.00  
 Release Date: 01-OCT-93  
 Additional Info: Must use with X.400 for AViiON Systems,V  
 3.30,01-OCT-93(P1/ RTS/SESSION) Product tested on Model  
 AViiON AV8500 HW Platform, Vendor claims spt for HW as listed  
 Registration: FULL, GOSIP Version 2 Date: 25-FEB-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0190  
 H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,  
 AV8000, AV85000, AV9000  
 O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004 TP4-CLNS/CLNP/LAN  
 Underlying Stack: X.400 for AViiON Systems, Version 3.30,  
 01-OCT-93 and OSI/ Platform for AViiON  
 Systems, Version 3.30, 01-OCT-93  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:2-13.4  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 224  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-7176 Fax: (508) 898-4212  
 GOSIP Product: X.400 for AViiON Systems  
 Version/Release: Version 3.30 Release Date: 01-OCT-94  
 Additional Info: Product tested on Model AViiON AV8500 hardware  
 platform. Vendor claims support for other hardware platforms  
 as listed.  
 Registration: FULL, GOSIP Version 2 Date: 25-FEB-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0190  
 H/W: AViiON AV500, AV4000, AV5000, AV6000, AV7000,  
 AV8000, AV85000, AV9000  
 O/S: DG/UX System for AViiON Computers, Revision 5.4R2.10  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: OSI/Platform for AViiON Systems, Version 3.30,  
 01-OCT-93  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:2-13.3, ATS:2-13.2, and ATS:2-13.1  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 225  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-7176 Fax: (508) 898-4212  
 GOSIP Product: OpenMail for AViiON Systems  
 Version/Release: Version A.01.01.eO, Rev. 1.00  
 Release Date: 01-OCT-93  
 Additional Info: Must use with X.400 for AViiON Systems, Version 3.30, 01-OCT-93 (P1/RTS/Session). Product tested on Model AViiON AV8500 H/W platform. Compatible HW as listed.  
 Registration: PROV, GOSIP Version 2 Date: 03-MAR-94  
 Basis: DERIVED Base Products: 223, 224  
 Tested Hardware/Operating System Platforms: 0172  
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000, AV8500, AV9000  
 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: X.400 for AViiON Systems, Version 3.30, 01-OCT-93; OSI/Platform for AViiON Systems, Version 3.30, 01-OCT-93; X.25 for AViiON Systems, Version 2.4, 01-OCT-93  
 Underlying Product: 207 & 204  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:2-13.5, ATS:2-13.2, ATS:2-13.3, & ATS:2-13.4  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 139  
 Supplier: Digital Equipment Corporation  
 P.O. Box 121  
 Worton Grange, Reading, Berks RG2 0TE  
 United Kingdom  
 Contact: Richard Duhamel  
 Tel: (508) 486-5021 Fax: (508) 486-7417  
 GOSIP Product: VAX Message Router X.400 Gateway  
 Version/Release: Ver 2.2G Release Date: 18-DEC-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1 Date: 11-MAR-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0128  
 MicroVAX 3400  
 VAX/VMS Ver 5.4 & 5.5  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: DECNet-VAX (TM) Extensions Ver5.4A (TD1111)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 138  
 Supplier: Encore Computing Corporation  
 6901 West Sunrise Boulevard  
 Ft. Lauderdale, FL 33313-4499  
 Contact: Augie Gonzales  
 Tel: (305) 587-2900 Fax: (305) 797-5807  
 GOSIP Product: EnComm X.400  
 Version/Release: Ver 2.0.1  
 Release Date: 01-JAN-93  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 11-MAR-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0067  
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: EnComm ISO Transport Services, Rev 3.0.0 [TP0]. EnComm X.25 Rev 3.0 (x.25)  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 191  
 Supplier: Enterprise Solutions Limited  
 32603 Bowman Knoll Drive  
 Westlake Village, CA 91361  
 Contact: Barry Sandever  
 Tel: (818) 597-8943 Fax: (818) 595-9621  
 GOSIP Product: Enterprise Mail User Agent  
 Version/Release: Version 2.11  
 Release Date: 01-MAY-93  
 Additional Info: Must be used w NCR StarPRO Message Central 400, Ver 2.0, 01-MAR-93. This combination of products provides set of MHS: P2, P1, RTS, & embedded Session protocols  
 Registration: PROV, GOSIP Version 1  
 Date: 17-SEP-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0063  
 HW: NCR System 3000 consisting of the following hardware models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600 OS: NCR UNIX SVR4, (MP-RAS), Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0082  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: NCR UNIX OSI Network Services, Version 2.00.02  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14, ATS:1-15  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 13  
 Supplier: Hewlett-Packard Company  
 19420 Homestead Road  
 Cupertino, CA 95014-9810  
 Contact: Murali Subbarao  
 Tel: (408) 447-2822 Fax: (408) 447-3660  
 GOSIP Product: HP X.400/9000 P/N HP32032A; (X.400 Interface)  
 HP OpenMail, P/N B1600A  
 Version/Release: Ver C.02.00; Ver A.00.02.03  
 Release Date: 10-JUN-91  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 19-AUG-91  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0014  
 HP 9000 Series 800/HP-UX Operating System, Ver 8.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: HP OSI Transport Services/9000 Series 800  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15  
 Conformance Lab: 0365  
 Hewlett-Packard Company, OSI Conformance Test Center  
 19420 Homestead Road, MS 43UJ  
 Cupertino, CA 95014-9810

Product Code/Type: P-006 MHS Product ID: 141  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy  
 Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467  
 GOSIP Product: X.400 PROFS Connection  
 Version/Release: V1R3  
 Release Date: 01-JUN-91  
 Additional Info: Must be used with Open Network Distribution  
 Services, V1R1, 01-OCT-90, & OSI/Communications Subsystem,  
 V1R1.1, 01-DEC-90  
 Registration: PROV, GOSIP Version 1  
 Date: 19-MAR-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0037  
 HW: IBM Systems 370/390  
 OS: IBM VM/ESA Ver 1 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: OSI/Communications Subsystem Ver 1 Rel 1.1  
 IBM NCP Packet Switching Interface  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Product Code/Type: P-006 MHS Product ID: 194  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy  
 Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467  
 GOSIP Product: Open Network Distribution Services  
 Version/Release: Version 1 Release 1  
 Release Date: 01-OCT-90  
 Additional Info: Must be used with OSI/Communications  
 Subsystem, V1R1.1, 01-DEC-90, to provide the P1/RTS and  
 Embedded Session protocols  
 Registration: PROV, GOSIP Version 1  
 Date: 15-OCT-93  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0036  
 (1) HW: IBM Systems 370/390  
 (1) OS: IBM MVS/ESA Ver 3 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: OSI/Communications Subsystem, V1R1.1,  
 01-DEC-90, and IBM NCP Packet Switching Interface  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 and ATS:1-14  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Product Code/Type: P-006 MHS Product ID: 195  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy  
 Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467  
 GOSIP Product: X.400 DISOSS Connection  
 Version/Release: Version 1 Release 2  
 Release Date: 01-MAR-91  
 Additional Info: Must be used with Open Network Distribution  
 Services, V1R1, 01-OCT-90, and OSI/Communications  
 Subsystem, V1R1.1, 01-DEC-90  
 Registration: PROV, GOSIP Version 1  
 Date: 13-OCT-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0036  
 (1) HW: IBM Systems 370/390  
 (1) OS: IBM MVS/ESA Ver 3 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0100  
 MHS {P1, RTS}/Session/TP0/WAN  
 Underlying Stack: Open Network Distribution Services, V1R1,  
 01-OCT-90, OSI/Communications Subsystem V1R1.1,  
 01-DEC-90, and IBM NCP Packet Switching Interface  
 Underlying Product:  
 Protocols and Profiles: 0078  
 MHS [X.400:1984] {P2}  
 ATS Used: ATS:1-15  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

## GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 155  
 Supplier: International Business Machines Corporation  
 3605 Highway 52 North  
 Rochester, MN 55901  
 Contact: Michael Sullivan  
 Tel: (39-06)5187 2517 Fax: (39-06)51872467  
 GOSIP Product: IBM OSI Message Services/400  
 Version/Release: Ver 2 Rel 1.1  
 Release Date: 01-MAR-92  
 Additional Info: Must be used with OSI Communications  
 Subsystem/400 Ver 2 Rel 1.1 01-MAR-92  
 Registration: PROV, GOSIP Version 1 Date: 04-MAY-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0140  
 AS/400  
 IBM OS/400 Ver 2 Rel 1.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack:  
 TP0: IBM OSI Communication Subsystem/400 V2 R1.1 WAN:  
 IBM AS/400 X.25 Communication Support Program V2 R1.1  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 and ATS:1-15  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Product Code/Type: P-006 MHS Product ID: 114  
 Supplier: NCR Network Products Division  
 9900 Old Grove Road  
 San Diego, CA 92131  
 Contact: Rolf Krause  
 Tel: (619) 693-5788 Fax: (619) 693-5705  
 GOSIP Product: NCR StarPRO Message Central 400  
 Version/Release: Ver 2.0  
 Release Date: 01-MAR-93  
 Additional Info: This Product also registered for TP4 over LAN  
 (Product ID 115)  
 Registration: PROV, GOSIP Version 1  
 Date: 29-DEC-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0063  
 HW: NCR System 3000 consisting of the following hardware  
 models: 3320, 3340, 3345, 3447, 3450, 3550, and OS: NCR  
 UNIX SVR4, (MP-RAS), Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: NCR UNIX OSI Network Services, Ver 2.01  
 (Product ID 83)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-006 MHS Product ID: 115  
 Supplier: NCR Network Products Division  
 9900 Old Grove Road  
 San Diego, CA 92131  
 Contact: Rolf Krause  
 Tel: (619) 693-5788 Fax: (619) 693-5705  
 GOSIP Product: NCR StarPRO Message Central 400  
 Version/Release: Ver 2.0 Release Date: 01-MAR-93  
 Additional Info: This Product also registered for TP0 over WAN  
 (Product ID 114)  
 Registration: PROV, GOSIP Version 1  
 Date: 29-DEC-92  
 Basis: DERIVED Base Products:  
 Tested Hardware/Operating System Platforms: 0063  
 HW: NCR System 3000 consisting of the following hardware  
 models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600  
 OS: NCR UNIX SVR4, (MP-RAS), Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: NCR UNIX OSI Network Services, Ver 2.00.02  
 (TP4/CLNP, Product ID 51)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-006 MHS Product ID: 123  
 Supplier: Retix  
 2401 Colorado Avenue  
 Santa Monica, CA 90404  
 Contact: Jeff Stone  
 Tel: (310) 828-3400 Fax: (310) 828-2255  
 GOSIP Product: Retix User Agent Model MH-423, Retix OpenServer  
 Model MH-4430  
 Version/Release: Ver 1.41  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 06-JAN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0108  
 Test platform was a Tatung (Intel 386), with a Western Digital  
 8003 for 802.3 O/S SCO Ver 4.0 (UNIX V Rel 3.2) Vendor claims  
 all Intel 386 and 486 based platforms using stated O/S  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 124  
 Supplier: Retix  
 2401 Colorado Avenue  
 Santa Monica, CA 90404  
 Contact: Jeff Stone  
 Tel: (310) 828-3400 Fax: (310) 828-2255  
 GOSIP Product: Retix User Agent Model MH-423, Retix  
 OpenServer Model MH-4420  
 Version/Release: Ver 1.41 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 06-JAN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0109  
 Test platform was Alpha Systems Lab (Intel 486), with Western  
 Digital 8003 for 802.3 O/S Sunsoft's Interactive UNIX (Ver 3.2),  
 Version 3.0 Vendor claims all Intel 80386 and 80486 based  
 platforms using stated O/S  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Retix LT-610, Ver 2.3.0 (TP4/CLNP/LAN)  
 Underlying Product:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13, ATS:1-14 AND ATS:1-15  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 67  
 Supplier: SUN Microsystems, Inc. International Centre for Network  
 Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SUNNET MHS Gateway  
 Version/Release: Ver 7.1  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 14-OCT-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0074  
 SUN 4, Station 2-4/75  
 SUN O/S 4.0.3, 4.1, 4.1.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SunNet OSI Ver 7.1 Rel 1  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 and ATS:1-14  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 84  
 Supplier: SUN Microsystems, Inc. International Centre for Network  
 Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SUNNET MHS  
 Version/Release: Ver 7.1  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 25-NOV-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0074  
 SUN 4, Station 2-4/75  
 SUN O/S 4.0.3, 4.1, 4.1.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: SunNet X.25, Ver 7.0.1 Rel 1  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-006 MHS Product ID: 118  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SunLink OSI  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0103  
 SUN, SPARCstation 10 model 30  
 - MAC H/W - AMD, Lance 7990 Ethernet Controller  
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris  
 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS Product ID: 119  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SunLink OSI  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0104  
 SUN, SPARCstation 10 Model 42  
 - MAC H/W - AMD, Lance 7990 Ethernet Controller  
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 120  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SunLink OSI  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0105  
 SUN, SPARCstation 10 Model 41  
 - MAC H/W - AMD, Lance 7990 Ethernet Controller  
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 121  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SunLink OSI  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0106  
 SUN, SPARCstation 4/30  
 - MAC H/W - AMD, Lance 7990 Ethernet Controller  
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-006 MHS Product ID: 122  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SunLink OSI  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0107  
 RDI BRIGHTLITE Model IPX Color Laptop Workstation  
 - MAC H/W - AMD, Lance 7990 Ethernet Controller  
 - MAC S/W - SUN, Solaris 2.1 Ethernet Driver, O/S Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SunLink OSI 8.0 (TP4/CLNP)  
 Underlying Product:  
 Protocols and Profiles: 0050  
 MHS-84 Relay/(Session)  
 MHS-84 Relay [X.400:1984] {P1, RTS}  
 MHS-84 Session [X.410:1984]  
 ATS Used: ATS:1-13 AND ATS:1-14  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-006 MHS    Product ID:    61  
 Supplier: UNISYS Corporation  
           8008 Westbrook Drive  
           McLean, VA 22102  
 Contact: Keith Fretz  
           Tel: (703) 556-5665    Fax: (703) 556-5172  
 GOSIP Product: OS1100 OSI-MHS DDP-PPC: 5RIA & PCR 987  
           Version/Release: Ver OSI-HS 2R1B  
           Release Date:    06-MAY-92  
           Additional Info: None  
 Registration:    PROV, GOSIP Version 1  
           Date:            10-SEP-92  
           Basis:          BASE          Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0070  
           1100/90 and 2200 Series Processors, OS1100 Exec. Ver 43R2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity:    0004  
           TP4-CLNS/CLNP/LAN  
 Underlying Stack: CMS 1100 7R2B + PCR 15312(TP4). OSITS  
           2RIA + PCR 192, 193, 194, 197 CMS 1100 7R2B + PCR 15312  
           (CLNP). DCP 802.3 LAN Line Module (LAN)  
 Underlying Product:  
 Protocols and Profiles: 0045  
           MHS-84/(Session)  
           MHS-84 [X.400:1984] {P2, P1, RTS}  
           MHS-84 Session [X.410:1984]  
 ATS Used:        ATS:1-13, ATS:1-14 AND ATS:1-15  
 Conformance Lab: 0367  
           UNISYS - Open Systems Interconnection Laboratory  
           P.O. Box 203, 2450 Swedesford Road  
           Paoli, PA 19301

Product Code/Type: P-006 MHS    Product ID:    74  
 Supplier: UNISYS Corporation  
           8008 Westbrook Drive  
           McLean, VA 22102  
 Contact: Keith Fretz  
           Tel: (703) 556-5665    Fax: (703) 556-5172  
 GOSIP Product: DDP-PPC & OS 1100 OSI-MHS  
           Version/Release: Ver DDP-PPC 5RIA + PCR 987  
           Release Date:    30-MAR-92  
           Additional Info: None  
 Registration:    PROV, GOSIP Version 1  
           Date:            16-OCT-92  
           Basis:          DERIVED          Base Products:  
 Tested Hardware/Operating System Platforms: 0079  
           Model 1100/90 or any 2200 System using OS1100 EXEC Ver  
           43R2 and DCP-15 through DCP-55 using DCP/OS Ver 5R2A and  
           TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity:    0085  
           TP4-CLNS/CLNP/WAN or TP4-CONS/WAN or TP0/WAN  
 Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199  
           (TP4/CLNP). [ISO 8208] X.25 DCP OSITS, Ver 2RIA(TP4). [ISO  
           8208] X.25 CMS 1100/OSITS Ver 7R2B(TP0). [ISO 8208] X.25  
 Underlying Product:  
 Protocols and Profiles: 0045  
           MHS-84/(Session)  
           MHS-84 [X.400:1984] {P2, P1, RTS}  
           MHS-84 Session [X.410:1984]  
 ATS Used:        ATS:1-13, ATS:1-14 AND ATS:1-15  
 Conformance Lab: 0367  
           UNISYS - Open Systems Interconnection Laboratory  
           P.O. Box 203, 2450 Swedesford Road  
           Paoli, PA 19301

Product Code/Type: P-006 MHS    Product ID:    149  
 Supplier: UNISYS Corporation  
           8008 West Park Drive  
           McLean, VA 22102  
 Contact: Dale Pluta  
           Tel: (703) 556-5682    Fax: (703) 556-5172  
 GOSIP Product: A-Series OSI-MHS  
           Version/Release: 2.0.048          Release Date:    17-DEC-92  
           Additional Info: Used in conjunction with A-Series/CP2000 OSI-IPC  
           Software, Version 30.00.199, 11-Dec-92.  
 Registration:    PROV, GOSIP Version 1  
           Date:            04-MAY-93  
           Basis:          BASE          Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0143  
           A-Series/CP2000  
           - A-Series System Software Ver 4.0  
           - CP2000 Operating Software Ver 3.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity:    0004  
           TP4-CLNS/CLNP/LAN  
 Underlying Stack: A-Series/CP2000 OSI-IPC (TP4-CLNS/CLNP).  
           CP2000 Operating Software (LAN)  
 Underlying Product:  
 Protocols and Profiles: 0045  
           MHS-84/(Session)  
           MHS-84 [X.400:1984] {P2, P1, RTS}  
           MHS-84 Session [X.410:1984]  
 ATS Used:        ATS:1-13, ATS:1-14, ATS:1-15  
 Conformance Lab: 0367  
           UNISYS - Open Systems Interconnection Laboratory  
           P.O. Box 203, 2450 Swedesford Road  
           Paoli, PA 19301

Product Code/Type: P-006 MHS    Product ID:    163  
 Supplier: UNISYS Corporation  
           8008 West Park Drive  
           McLean, VA 22102  
 Contact: Dale Pluta  
           Tel: (703) 556-5682    Fax: (703) 556-5172  
 GOSIP Product: A-Series OSI-MHS  
           Version/Release: Ver 2.0.048          Release Date:    17-DEC-92  
           Additional Info: In conjunction with A-Series CP/2000 OSI-IPC  
           Software Ver 30.00.200, Rel 05-JAN-93  
 Registration:    PROV, GOSIP Version 1          Date:            18-JUN-93  
           Basis:          DERIVED          Base Products:  
 Tested Hardware/Operating System Platforms: 0143  
           A-Series/CP2000  
           - A-Series System Software Ver 4.0  
           - CP2000 Operating Software Ver 3.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity:    0088  
           TP4-CONS/WAN  
           TP0/WAN  
 Underlying Stack: A-Series/CP2000 OSI-IPC Software/CP2000 X.25;  
           A-Series/CP2000 OSI-IPC Unisys Product 113/P4.3  
 Underlying Product:  
 Protocols and Profiles: 0045  
           MHS-84/(Session)  
           MHS-84 [X.400:1984] {P2, P1, RTS}  
           MHS-84 Session [X.410:1984]  
 ATS Used:        ATS:1-13, ATS:1-14 and ATS:1-15  
 Conformance Lab: 0367  
           UNISYS - Open Systems Interconnection Laboratory  
           P.O. Box 203, 2450 Swedesford Road  
           Paoli, PA 19301

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 231  
 Supplier: Bull Information Systems, Inc.  
 13430 North Black Canyon  
 Phoenix, AZ 85029  
 Contact: Tom Cody  
 Tel: (602) 862-5114 Fax: NONE  
 GOSIP Product: FTAMX  
 Version/Release: Version 4.0  
 Release Date: 01-OCT-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2  
 Date: 07-MAR-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0195  
 H/W: DPX/20 Models 100, 400, 600, & 800  
 O/S: AIX Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0057  
 Session/TP4-CLNS/CLNP/LAN  
 Underlying Stack: DPX/20 AIX 3 Stack B Version 1  
 Underlying Product:  
 Protocols and Profiles: 0090  
 FTAM/(ACSE)/(Presentation)  
 FTAM [ISO 8571:1988] {T1, M1, T2, A1}  
 FTAM ACSE [ISO 10607-1:1990]  
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}  
 ATS Used: ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,  
 ATS:2-16.9,ATS:2-16.10,&ATS:2-16.11  
 Conformance Lab: 0355  
 Bull HN Conformance Test Center  
 13430 N Black Canyon Hwy, P.O. Box 8000  
 Phoenix, AZ 85029

Product Code/Type: P-007 FTAM Product ID: 232  
 Supplier: Bull Information Systems, Inc.  
 13430 North Black Canyon  
 Phoenix, AZ 85029  
 Contact: Tom Cody  
 Tel: (602) 862-5114 Fax: NONE  
 GOSIP Product: DPX/20 AIX 3 Stack B  
 Version/Release: Version 1.0  
 Release Date: 01-MAY-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2 Date: 08-MAR-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0195  
 H/W: DPX/20 Models 100, 400, 600, & 800  
 O/S: AIX Version 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0057  
 Session/TP4-CLNS/CLNP/LAN  
 Underlying Stack: DPX/20 AIX 3 Stack B Version 1  
 Underlying Product:  
 Protocols and Profiles: 0090  
 FTAM/(ACSE)/(Presentation)  
 FTAM [ISO 8571:1988] {T1, M1, T2, A1}  
 FTAM ACSE [ISO 10607-1:1990]  
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}  
 ATS Used: ATS:2-16.2,ATS:2-16.6,ATS:2-16.7,ATS:2-16.8,  
 ATS:2-16.9,ATS:2-16.10,&ATS:2-16.11  
 Conformance Lab: 0355  
 Bull HN Conformance Test Center  
 13430 N Black Canyon Hwy, P.O. Box 8000  
 Phoenix, AZ 85029

Product Code/Type: P-007 FTAM Product ID: 113  
 Supplier: Bull Information Systems, Incorporated  
 13430 North Black Canyon Highway  
 Phoenix, AZ 85029  
 Contact: Oscar Hefner  
 Tel: (602) 862-6001 Fax: (602) 862-6051  
 GOSIP Product: FTAMX  
 Version/Release: Ver 02.01.06  
 Release Date: 01-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 18-DEC-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0087  
 DPX/2 200, O/S B.O.S. 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0057  
 Session/TP4-CLNS/CLNP/LAN  
 Underlying Stack: LT-610, Bull Information Systems  
 Underlying Product:  
 Protocols and Profiles: 0052  
 FTAM [ISO 8571:1988] {T1, M1}  
 ATS Used: ATS:1-16  
 Conformance Lab: 0370  
 Conformance Expert Center for OSI Bull - CECOB  
 Rue Jean Jaures, B.P. 68  
 78340 Les Clayes/Bois France

Product Code/Type: P-007 FTAM Product ID: 90  
 Supplier: Data General Corporation  
 4400 Computer Drive, MS/D216  
 Westborough, MA 01580

Contact: Charles Stakus  
 Tel: (508) 870-6392 Fax: (508) 898-4694

GOSIP Product: FTAM For AViiON Systems  
 Version/Release: Ver 3.10  
 Release Date: 01-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 13-NOV-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0053  
 AViiON 5000/6000 Series  
 DG/UX System for AViiON Systems Rev. 5.4.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0057  
 Session/TP4-CLNS/CLNP/LAN  
 Underlying Stack: OSI/Platform for AViiON Systems  
 Underlying Product:  
 Protocols and Profiles: 0052  
 FTAM [ISO 8571:1988] {T1, M1}  
 ATS Used: ATS:1-16  
 Conformance Lab: 0391  
 Data General Corporation, OSI Conformance Test Center  
 4400 Computer Drive, MS/D216  
 Westborough, MA 01580



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 205  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-7176 Fax: (508) 898-4212  
 GOSIP Product: FTAM for AViiON Systems  
 Version/Release: Version 3.30 Release Date: 01-OCT-93  
 Additional Info:  
 Registration: PROV, GOSIP Version 2 Date: 15-DEC-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0172  
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,  
 AV8500, AV9000  
 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: OSI/Platform for AViiON Systems  
 Underlying Product:  
 Protocols and Profiles: 0079  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1, M1}  
 FTAM ACSE [ISO 10607-1:1990]  
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}  
 FTAM Session [ISO 10607-1:1990]  
 ATS Used: ATS:2-16.12, ATS:2-16.10, ATS:2-16.11, ATS:2-16.9,  
 ATS:2-16.2, ATS:2-16.6  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 220  
 Supplier: Data General Corporation  
 4400 Computer Drive  
 Westboro, MA 01580  
 Contact: Peter Conway  
 Tel: (508) 898-7176 Fax: (508) 898-4212  
 GOSIP Product: FTAM AViiON Systems  
 Version/Release: Version 3.30 Release Date: 01-OCT-93  
 Additional Info: Model AV8500 tested. Vendor claims support for  
 other hardware models as listed.  
 Registration: PROV, GOSIP Version 2 Date: 08-FEB-94  
 Basis: DERIVED Base Products:  
 Tested Hardware/Operating System Platforms: 0172  
 HW: AViiON AV500, AV4000, AV5000, AV6000, AV7000, AV8000,  
 AV8500, AV9000  
 OS: DG/UX System for AViiON Computers, Revision 5.4R2.10  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0069  
 TP4-CLNS/CLNP/WAN  
 Underlying Stack: OSI Platform for AViiON Systems  
 Underlying Product:  
 Protocols and Profiles: 0079  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1, M1}  
 FTAM ACSE [ISO 10607-1:1990]  
 FTAM Presentation [ISO 10607-1:1990] {ASN.1}  
 FTAM Session [ISO 10607-1:1990]  
 ATS Used: ATS:2-16.2  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 130  
 Supplier: Digital Equipment Corp  
 550 King Street  
 Littleton, MA 01460-1289  
 Contact: Richard Duhamel  
 Tel: (508) 486-5021 Fax: (508) 486-7417  
 GOSIP Product: DECnet/OSI for OpenVMS  
 Version/Release: Ver V5.5  
 Release Date: 09-NOV-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 13-JAN-93  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0114  
 Digital VAX  
 VMS Ver 5.5  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0057  
 Session/TP4-CLNS/CLNP/LAN  
 Underlying Stack:  
 DECNet - OSI for Open VMS VAX Ver 5.5/VOTS Ver 3.0A  
 Underlying Product:  
 Protocols and Profiles: 0057  
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol  
 ATS Used: ATS:1-16  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance  
 Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

Product Code/Type: P-007 FTAM Product ID: 53  
 Supplier: Digital Equipment Corporation  
 550 King Street  
 Littleton, MA 01460-1289  
 Contact: Ladan Porooshani  
 Tel: (508) 486-7123 Fax:  
 GOSIP Product: DECNET-VAX (TM) Extensions Ver 5.4A/VAX FTAM  
 Ver 2.0A  
 Version/Release: Ver 2.0A  
 Release Date: 01-MAR-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 16-AUG-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0065  
 Digital VAX with VMS V5.4 and DECNET-VAX V5.4 Extensions  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: DECNet - OSI for OpenVMS VAX V5.5/VOTS V3.0A  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0362  
 Digital Equipment Corporation, OSI Conformance  
 Interoperability Test Center  
 550 King Street, MS LKG2A/R5  
 Littleton, MA 01460-1289

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 63  
 Supplier: Encore Computing Corporation  
 6901 West Sunrise Boulevard  
 Ft. Lauderdale, FL 33313-4499  
 Contact: Augie Gonzales  
 Tel: (305) 587-2900 Fax: (305) 797-5807  
 GOSIP Product: EnComm FTAM  
 Version/Release: Ver 2.0.1  
 Release Date: 01-SEP-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 23-SEP-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0067  
 Encore Infinity 90 Series GPIO I, O/S UMAX Ver 3.0.7  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Encore Infinity 90 Series GPIO I  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 32  
 Supplier: Hewlett-Packard Company  
 19420 Homestead Road  
 Cupertino, CA 95014-9810  
 Contact: Murali Subbarao  
 Tel: (408) 447-2822 Fax: (408) 447-3660  
 GOSIP Product: HP FTAM/9000 Series 800  
 Version/Release: Ver C.02.03  
 Release Date: 10-JUN-91  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 30-JAN-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0047  
 HP9000 Series 800 computers which support LAN/9000 link  
 product; HP-UX Operating System, Version 8.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Unknown. Documentation was not retained.  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0365  
 Hewlett-Packard Company, OSI Conformance Test Center  
 19420 Homestead Road, MS 43UJ  
 Cupertino, CA 95014-9810

Product Code/Type: P-007 FTAM Product ID: 135  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy  
 Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467  
 GOSIP Product: IBM AIX OSI MESSAGING AND FILING / 6000  
 Version/Release: Ver 1  
 Release Date: 01-DEC-90  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 25-FEB-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0123  
 IBM AIX/6000, Ver 3.1.5, O/S RISC System 6000  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: None  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 166  
 Supplier: IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy  
 Contact: Alberto Sinibaldi  
 Tel: 39 6 5966-2281 Fax: 39 6 5966-2467  
 GOSIP Product: IBM OSI/File Services  
 Version/Release: Version 1 Release 1 Release Date: 01-JUN-90  
 Additional Info: Must be used with OSI/Communications  
 Subsystem Version 1 Release 1.1, 01-DEC-90  
 Registration: PROV, GOSIP Version 1  
 Date: 24-JUN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0036  
 (1) HW: IBM Systems 370/390  
 (1) OS: IBM MVS/ESA Ver 3 Rel 1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0081  
 TP4-CONS/WAN  
 Underlying Stack:  
 IBM OSI/Communications Subsystem V1R1.1 IBM X.25 NCP  
 Packet Switching Interface V3R4  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy



# GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 215  
 Supplier: International Business Machines Corporation  
 Via Paolo Di Dono, 44  
 Rome 00143 Italy  
 Contact: Alberto Sinibaldi  
 Tel: (39-6)596-62281 Fax: (39-6)596-62467  
 GOSIP Product: OSI File Services/400  
 Version/Release: Version 2 Release 3 Release Date: 01-DEC-93  
 Additional Info: Must be used with OSI Communications  
 Subsystem/400, Version 2 Release 3, December 1993  
 Registration: PROV, GOSIP Version 1 Date: 13-JAN-94  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0179  
 HW: AS/400 OS: OS/400 Version 2 Release 3  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: OSI Communications Subsystem/400, Version 2  
 Release 3, December 1993 and AS/400 X.25 Communication  
 Support, Version 2 Release 3, GOSIP Product ID: 183  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0392  
 IBM Rome Networking Systems Laboratory  
 Via Paolo Di Dono 44  
 00143 Rome Italy

Product Code/Type: P-007 FTAM Product ID: 48  
 Supplier: Novell Incorporated  
 2180 Fortune Drive  
 San Jose, CA 95131  
 Contact: Jan Provan  
 Tel: (408) 473-8422 Fax: (408) 433-9827  
 GOSIP Product: NETWARE FTAM  
 Version/Release: Ver 1.2 Rev B Release Date: 20-APR-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1 Date: 24-JUN-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0057  
 FTAM Initiator Hub and Responder  
 AST Premium 386/33; Netware 3.11; Novell Ethernet Card  
 FTAM Initiator Executable  
 AST Premium 386/33; DOS 3.3; Novell NE2000 Ethernet Card  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Unknown. Documentation was not retained.  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 52  
 Supplier: NCR  
 9900 Old Grove Road  
 San Diego, CA 92131  
 Contact: Wendy Morrison  
 Tel: (619) 693-5665 Fax: (619) 693-5705  
 GOSIP Product: NCR OSI STAR PRO FTAM  
 Version/Release: Ver 2.00.00 Release Date: 01-JUL-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1 Date: 07-AUG-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0063  
 HW: NCR System 3000 consisting of the following hardware  
 models: 3320, 3340, 3345, 3447, 3450, 3550, and 3600  
 OS: NCR UNIX SVR4, (MP-RAS), Rel 2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: Product ID# 51: NCR UNIX OSI Network  
 Services, Ver 2.00.02  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0363  
 Corporation for Open Systems International Test Center  
 8260 Willow Oaks Corp Drive, Suite 700  
 Fairfax, VA 22031

Product Code/Type: P-007 FTAM Product ID: 126  
 Supplier: Retix  
 2401 Colorado Avenue  
 Santa Monica, CA 90404  
 Contact: Jeff Stone  
 Tel: (310) 828-3400 Fax: (310) 828-2255  
 GOSIP Product: Retix FTAM Model FT-820  
 Version/Release: Ver 1.80  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 21-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0111  
 Intel 486 Alpha Systems Lab  
 UNIX System V Rel 3.2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0057  
 Session/TP4-CLNS/CLNP/LAN  
 Underlying Stack: Retix LT-610  
 Underlying Product:  
 Protocols and Profiles: 0057  
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol  
 ATS Used: ATS:1-16  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 134  
 Supplier: Retix  
 2401 Colorado Avenue  
 Santa Monica, CA 90404  
 Contact: Jeff Stone  
 Tel: (310) 828-3400 Fax: (310) 828-2255  
 GOSIP Product: Retix FTAM FT-820  
 Version/Release: Ver 1.80  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 01-FEB-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0122  
 Tatung (Intel 386), O/S UNIX System V Rel 3.2 (SCO Ver 4.0)  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0069  
 TP4-CLNS/CLNP/WAN  
 Underlying Stack: Retix LT-610  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 68  
 Supplier: SUN Microsystems, Inc. International Centre for Network  
 Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SUNNET OSI FTAM  
 Version/Release: Ver 7.1  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 14-OCT-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0075  
 SUN 4 SUN O/S 4.0.3, 4.1, 4.1.1, 4.1.2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SUNNet OSI 7.0  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 86  
 Supplier: SUN Microsystems, Inc. International Centre for Network  
 Computing  
 32 Rue du Vieux Chene  
 F-38240 Meylan France  
 Contact: Tom Hull  
 Tel: +33 76 41 42 18 Fax: +33 76 41 42 41  
 GOSIP Product: SUNNET OSI FTAM  
 Version/Release: Ver 7.1  
 Release Date: 01-OCT-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 25-NOV-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0075  
 SUN 4  
 SUN O/S 4.0.3, 4.1, 4.1.1, 4.1.2  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0058  
 TP0/WAN  
 Underlying Stack: SUNNet X.25  
 Underlying Product:  
 Protocols and Profiles: 0057  
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol  
 ATS Used: ATS:1-16  
 Conformance Lab: 0357  
 National Computing Centre Limited  
 Oxford Road  
 Manchester M17ED United Kingdom

Product Code/Type: P-007 FTAM Product ID: 156  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUNLink OSI FTAM  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0094  
 HW: SPARCstation 4/30  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SUNLink OSI 8.0  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603



# GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 157  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUNLink OSI FTAM  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-93  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0095  
 HW: SPARCstation 10 Model 30  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SUNLink 8.0  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM ProductID: 158  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUNLink OSI FTAM  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-93  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0093  
 HW: SPARCstation 10 Model 41  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SUNLink OSI 8.0  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 159  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUNLink OSI FTAM  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-93  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0092  
 HW: SPARCstation 10 Model 42  
 OS: Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SUNLink OSI 8.0  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

Product Code/Type: P-007 FTAM Product ID: 160  
 Supplier: SUN Microsystems Federal, Incorporated  
 2650 Park Tower Drive, Suite 500  
 Vienna, VA 22180-7306  
 Contact: Michael Barnes  
 Tel: (703) 204-4100 Fax: (703) 204-4782  
 GOSIP Product: SUNLink OSI FTAM  
 Version/Release: Ver 8.0  
 Release Date: 04-AUG-93  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 04-JAN-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0096  
 RDI BrightLite IPX Color Laptop Workstation Solaris 2.1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: SUNLink OSI 8.0  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0364  
 CDA, Incorporated  
 8301 Greensboro Drive, #350  
 McLean, VA 22102-3603

# GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 60  
 Supplier: UNISYS Corporation  
 2450 Swedesford Road  
 Paoli, PA 19301  
 Contact: Ed Kelly  
 Tel: (215) 993-7208 Fax:  
 GOSIP Product: OSI-FTAM  
 Version/Release: Rel 2R1A  
 Release Date: 03-MAY-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 10-SEP-92  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0069  
 1100/90 and all 2000 Series Systems OS1100 Release 43R1  
 DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: CMS 1000 7R2B PLS PCR 15312  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 75  
 Supplier: UNISYS Corporation  
 8008 Westbrook Drive  
 McLean, VA 22102  
 Contact: Keith Fretz  
 Tel: (703) 556-5665 Fax: (703) 556-5172  
 GOSIP Product: OSI-FTAM  
 Version/Release: Rel 2R1A  
 Release Date: 03-MAY-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 16-OCT-92  
 Basis: DERIVED  
 Base Products:  
 Tested Hardware/Operating System Platforms: 0080  
 1100/90 and all 2000 Series Systems, OS1100, Release 43R1  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0069  
 TP4-CLNS/CLNP/WAN  
 Underlying Stack: CP 2000 X.25  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 80  
 Supplier: UNISYS Corporation  
 2450 Swedesford Road  
 Paoli, PA 19301  
 Contact: Ed Kelly  
 Tel: (215) 993-7208 Fax:  
 GOSIP Product: OSI-FTAM  
 Version/Release: Rel 2R1A  
 Release Date: 03-MAY-92  
 Additional Info: None  
 Registration: PROV, GOSIP Version 1  
 Date: 01-SEP-92  
 Basis: BASE  
 Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0069  
 1100/90 and all 2000 Series Systems OS1100 Release 43R1  
 DCP-15 through DCP-55, DCP/OS Ver 5R2A/TELCON Ver 9R1A  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: DCP OSITS  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301

Product Code/Type: P-007 FTAM Product ID: 146  
 Supplier: UNISYS Corporation  
 8008 West Park Drive  
 McLean, VA 22102  
 Contact: Dale Pluta  
 Tel: (703) 556-5682 Fax: (703) 556-5172  
 GOSIP Product: A-Series OSI FTAM  
 Version/Release: Ver 40.400.0008 Release Date: 16-NOV-92  
 Additional Info: In conjunction with A-Series/CP2000 OSI-IPC Ver 30.00.199, Rel 11-Dec-92  
 Registration: PROV, GOSIP Version 1  
 Date: 13-APR-93  
 Basis: BASE Base Products: n/a  
 Tested Hardware/Operating System Platforms: 0138  
 A6 A-Series System Ver 4.0  
 Claimed Compatibility Hardware/Software Platforms: 0001  
 Connectivity: 0004  
 TP4-CLNS/CLNP/LAN  
 Underlying Stack: A-Series/CP2000 OSI-IPC Ver 30.00.199  
 11-DEC-92  
 Underlying Product:  
 Protocols and Profiles: 0029  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 FTAM Session [ISO 8327:1987]  
 ATS Used: ATS:1-16  
 Conformance Lab: 0367  
 UNISYS - Open Systems Interconnection Laboratory  
 P.O. Box 203, 2450 Swedesford Road  
 Paoli, PA 19301



## GOSIP REGISTERS, *Continued*

Product Code/Type: P-007 FTAM Product ID: 150  
Supplier: UNISYS Corporation  
8008 West Park Drive  
McLean, VA 22102  
Contact: Dale Pluta  
Tel: (703) 556-5682 Fax: (703) 556-5172  
GOSIP Product: A-Series OSI-FTAM Product 115/P7.1a  
Version/Release: Ver 40.400.0008  
Release Date: 16-NOV-92  
Additional Info: Session Layer is not registered at the request of  
the vendor UNISYS  
Registration: PROV, GOSIP Version 1  
Date: 06-MAY-93  
Basis: DERIVED  
Base Products:  
Tested Hardware/Operating System Platforms: 013  
A6 A-Series System Ver 4.0  
Claimed Compatibility Hardware/Software Platforms: 0001  
Connectivity: 0081  
TP4-CONS/WAN  
Underlying Stack: Unisys Product 113/P4.2  
Underlying Product:  
Protocols and Profiles: 0028  
FTAM/(ACSE)/(Presentation)  
FTAM [ISO 8571:1988] {T1}  
FTAM ACSE [ISO 8650:1988]  
FTAM Presentation [ISO 8823:1988]  
ATS Used: ATS-16  
Conformance Lab: 0367  
UNISYS - Open Systems Interconnection Laboratory  
P.O. Box 203, 2450 Swedesford Road  
Paoli, PA 19301

### 5.4.4 REGISTER OF GOSIP INTEROPERABILITY TEST SUITES

Test Suites for the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional, valid until December 31, 1994.

#### **ITS-1 X.400**

OSINET, Message Handling Systems Interoperability Tests, Version 1, Edition 2, September 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

#### **ITS-2 FTAM**

OSINET, File Transfer, Access and Management Interoperability Tests, Version 1, Edition 2, June 1990, available from: OSINET Corporation, 1750 Old Meadow Road Suite 400, McLean, VA 22102, Tel. (703) 883-2797

### 5.4.5 REGISTER OF GOSIP INTEROPERABILITY TEST AND REGISTRATION SERVICES

Interoperability Test and Registration Services which meet the GOSIP Interoperability Testing provisions are listed here. Entries on this register are Provisional.

#### **ITRS-1 OSINET**

c/o Corporation for Open Systems International  
1750 Old Meadow Road Suite 400, McLean, VA 22102  
Tel: (703) 883-2797

#### **ITRS-2 Process to Support Interoperability (PSI)**

SPAG, PSI Operator, SPAGsa  
Avenue Louise 165, Box 6,B-1050 Brussels, Belgium  
Tel. 32 2 645 7811  
Fax. 32 2 645 0879

# GOSIP REGISTERS, Continued

## 5.4.6 REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 1

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTS relate to the protocols identified in FIPS 146 GOSIP Version 1. For further details of each MOT listed, please contact the named supplier. Entries on this register are provisional, and are listed in the register as valid until March 30, 1992. However, at the direction of NIST, and in order to accomplish the transition to GOSIP Version 2, the validity of the GOSIP Version 1 MOT registrations has been extended indefinitely. Each GOSIP Version 1 MOT that is currently in the register will remain here until either of the following events occur: (1) the vendor withdraws the MOT from registration, or (2) NIST directs the further deregistration of GOSIP Version 2 MOT.

### MEANS OF TESTING REGISTER 01-JUN-94

#### MEANS OF TESTING REGISTER: WIDE AREA NETWORK

##### M-001 WAN TEST SYTEMS

NOTE: Wide area test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

#### MEANS OF TESTING REGISTER: LOCAL AREA NETWORK

##### M-002 LAN TEST SYTEMS

NOTE: Local area test systems registered under GOSIP Version 1 and not related to FTAM or MHS were deleted from the register as of March 14, 1993.

##### M-002 LAN MOT ID: 4

Supplier: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031

Contact: Andrea Reitzel  
Tel: (703) 205-2809 Fax: (703) 846-8590

Test System Name, Release and Date:  
COS 802.2 /802.3 10Base5 Layer 2 Test System  
Ver 1.4 01-DEC-90

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0018

MS-DOS 3.1, IBM PC/AT Compatible

HP 4972A LAN Protocol Analyzer with RS-232C Option, V B.04.01

HP 8568B Signal Generator

HP 8770A Arbitrary Waveform Synthesizer

HP 16500A Logic Analyzer

Base/Derived: UPDATE

Connectivity: 0009

MAC[802-3] Physical

Underlying Stack:

Protocols and Profiles: 0031

LLC1 [ISO 8802-2]/MAC [ISO 8802-3]

Date Registered: 21-JUL-92

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-3

ATS:1-6

M-002 LAN MOT ID: 3  
Supplier: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031

Contact: Andrea Reitzel

Tel: (703) 205-2809 Fax: (703) 846-8590

Test System Name, Release and Date:

COS 802.2/802.3 10Base5 Layer 2 Test System  
Ver 1.1 01-MAY-89

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0018

MS-DOS 3.1, IBM PC/AT Compatible

HP 4972A LAN Protocol Analyzer with RS-232C Option, Ver B.04.01

HP 8568B Signal Generator

HP 8770A Arbitrary Waveform Synthesizer

HP 16500A Logic Analyzer

Base/Derived: BASE

Connectivity: 0009

MAC[802-3] Physical

Underlying Stack:

Protocols and Profiles: 0067

LLC1 [802-2]/MAC [802-3]

Date Registered: 30-OCT-90

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-3

ATS:1-6

##### M-002 LAN MOT ID: 44

Supplier: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031

Contact: Andrea Reitzel

Tel: (703) 205-2809 Fax: (703) 846-8590

Test System Name, Release and Date:

COS 802.3 Test System, Ver 1.0, May 1989  
Ver 1.0 01-MAY-89

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0071

HP 16500A Logic Analyzer System Mainframe, Ver 2.0

HP 16531A 400 MHz Scope Card, Ver 2.01

HP 16530A Timebase Card, Ver 2.0, HP 16510A 25 MHz

Statetiming Card,

HP 8656B Signal Generator, Options 001 & 002, HP 8770A

Arbitrary Waveform

Synthesizer, HP 4972A LAN Protocol Analyzer with RS-232C

Option, Ver B.04.01

Base/Derived: BASE

Connectivity: 0009

MAC[802-3] Physical

Underlying Stack:

Protocols and Profiles: 0039

MAC [ISO 8802-3] PLS

Date Registered: 30-OCT-90

Type of Registration and Expiration Date:

PROV, GOSIP Version 1

01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-3



# GOSIP REGISTERS, Continued

## MEANS OF TESTING REGISTER: CLNP

### M-003 CLNP TEST SYTEMS

NOTE: CLNP test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

## MEANS OF TESTING REGISTER: TRANSPORT

### M-004 TRANSPORT TEST SYTEMS

NOTE: Transport test systems registered under GOSIP Version 1 were deleted from the register as of March 14, 1993.

## MEANS OF TESTING REGISTER: SESSION

### M-005 SESSION MOT ID: 46

Supplier: Alcatel TITN Test Center  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101  
Contact: Sanjay P Lokare  
Tel: (510) 484-5674 Fax: (510) 484-4078  
Email:

Test System Name, Release and Date:  
XRTLE, Session  
Ver 1.1  
30-JAN-92

Claimed Hardware and Operating System Platforms: 0001  
Tested Hardware and Operating System Platform:0061  
80386 PC, Interactive 386/iX UNIX Ver 2.2  
Base/Derived: UPDATE  
Connectivity: 0037

TP4-CLNS/CLNP{ES}/LAN  
TP0/WAN  
TP0/X.25/PLP/HDLC/RS-232C

Underlying Stack:TWICE source code modified by Alcatel TITN  
ANSWARE for X.25

Protocols and Profiles: 0012

[ISO 8327] Session/Full Session

Date Registered: 03-AUG-92

Type of Registration and Expiration Date:  
PROV, GOSIP Version 1  
01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-10

### M-005 SESSION MOT ID: 42

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom  
Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date:  
NCC:COS Session Tester  
Ver 1.0 01-AUG-91

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platform:0060

SUN 3 Series, SUN OS 4.1.1 or later

SUN 4 Series, SUN OS 4.1.1 or later

Base/Derived: UPDATE

Connectivity: 0033

TP0/X.25 PLP/X.25 LAP-B/RS-232C

TP2/X.25 PLP/X.25 LAP-B/V.35

TP4-CONS/X.25 PLP/X.25 LAP-B

TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}

TP4-CLNS/CLNP{ES}/X.25 PLP/X.25 LAP-B

Underlying Stack:

Protocols and Profiles: 0012

[ISO 8327] Session/Full Session

Date Registered: 14-JUL-92

Type of Registration and Expiration Date:  
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-10

## MEANS OF TESTING REGISTER: MHS

### M-006 MHS MOT ID: 21

Supplier: GSI-Danet Incorporated  
1380 Old Freeport Road  
Pittsburgh, PA 15238  
Contact: Hans-Ludwig Heil  
Tel: (412) 967-0834 Fax: (412) 963-6779

Test System Name, Release and Date:  
OSITEST/400  
Ver 3.3 01-JUL-90

Claimed Hardware and Operating System Platforms: 0026

SUN 3 Series, SUN OS 3.5 SUN 4 series, SUN OS 4.1

DEC MicroVAX, ULTRIX 2.2

Tested Hardware and Operating System Platforms: 0001

Base/Derived: BASE

Connectivity: 0018

Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C

Session/TP0/X.25 PLP/X.25 LAP-B/V.35

Session/TP4-CLNS/CLNP{ES}/LLC1{8802-2}/MAC{8802-3}

Underlying Stack:

Protocols and Profiles: 0045

MHS-84/(Session)

MHS-84 [X.400:1984] {P2, P1, RTS}

MHS-84 Session [X.410:1984]

Date Registered: 30-SEP-90

Type of Registration and Expiration Date:  
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code Auto % Manual % Total % Comments

ATS:1-13

ATS:1-14

ATS:1-15

# GOSIP REGISTERS, Continued

M-006 MHS MOT ID: 20  
 Supplier: National Computing Centre Limited  
 Oxford House, Oxford Road  
 Manchester M1 7ED  
 United Kingdom  
 Contact: Peter Bird  
 Tel: +44 61 228 6333 Fax: +44 61 236 9877  
 Email: peter@ncc.co.uk  
 Test System Name, Release and Date:  
 NCC: COS MHS Tester  
 Ver 2.2.2 01-JUL-91  
 Claimed Hardware and Operating System Platforms: 0023  
 SUN 4 series, SUN OS 4.1  
 Tested Hardware and Operating System Platforms: 0001  
 Base/Derived: UPDATE  
 Connectivity: 0020  
 Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C  
 Session/TP0/X.25 PLP/X.25 LAP-B/V.35  
 Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/RS-232C  
 Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/V.35  
 Session/TP4-CLNS/CLNP/LLC1[8802-2]/MAC[8802-3 and 8802-4]  
 Underlying Stack:  
 Protocols and Profiles: 0045  
 MHS-84/(Session)  
 MHS-84 [X.400:1984] {P2, P1, RTS}  
 MHS-84 Session [X.410:1984]  
 Date Registered: 19-AUG-91  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 1 01-OCT-92  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:1-13  
 ATS:1-14  
 ATS:1-15

## MEANS OF TESTING REGISTER: FTAM

M-007 FTAM MOT ID: 25  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101  
 Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Test System Name, Release and Date:  
 XRTLE, FTAM  
 Ver 1.0 10-APR-91  
 Claimed Hardware and Operating System Platforms: 0042  
 SUN 3 Series, SunOS 4.0.3 SUN 4 Series, SunOS 4.1  
 Tested Hardware and Operating System Platforms: 0001  
 Base/Derived: UPDATE  
 Connectivity: 0021  
 Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C  
 Session/TP0/X.25 PLP/X.25 LAP-B/V.35  
 Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C  
 Session/TP4-CONS/X.25 PLP/X.25 LAP-B/V.35  
 Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}  
 Underlying Stack:  
 Protocols and Profiles: 0032  
 FTAM [ISO 8571]  
 Date Registered: 04-JUN-91  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 1 01-OCT-92  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:1-16

M-007 FTAM MOT ID: 49  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101  
 Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Test System Name, Release and Date:  
 XRTLE, FTAM  
 Ver 1.2  
 30-JAN-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0061  
 80386 PC, Interactive 386/iX UNIX Ver 2.2  
 Base/Derived: UPDATE  
 Connectivity: 0035  
 Session/TP4-CLNS/CLNP/LLC1{802.2}/MAC{802.3}  
 Session/TP0/X.25/PLP/HDLC/RS-232C  
 Session/TP4-CONS/X.25 PLP/X.25 LAP-B/RS-232C and V.35  
 Underlying Stack:  
 Protocols and Profiles: 0032  
 FTAM [ISO 8571]  
 Date Registered: 03-AUG-92  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 1  
 01-OCT-92  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:1-16

M-007 FTAM MOT ID: 24  
 Supplier: GSI-Danet Incorporated  
 1380 Old Freeport Road  
 Pittsburgh, PA 15238  
 Contact: Hans-Ludwig Heil  
 Tel: (412) 967-0834 Fax: (412) 963-6779  
 Test System Name, Release and Date:  
 OSITEST/FTAM  
 Ver 2.4  
 01-JUL-90  
 Claimed Hardware and Operating System Platforms: 0026  
 SUN 3 Series, SUN OS 3.5  
 SUN 4 series, SUN OS 4.1  
 DEC MicroVAX, ULTRIX 2.2  
 Tested Hardware and Operating System Platforms: 0001  
 Base/Derived: BASE  
 Connectivity: 0018  
 Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C  
 Session/TP0/X.25 PLP/X.25 LAP-B/V.35  
 Session/TP4-CLNS/CLNP{ES}/LLC1{8802-2}/MAC{8802-3}  
 Underlying Stack:  
 Protocols and Profiles: 0028  
 FTAM/(ACSE)/(Presentation)  
 FTAM [ISO 8571:1988] {T1}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988]  
 Date Registered: 30-SEP-90  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 1  
 01-OCT-92  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:1-16



# GOSIP REGISTERS, Continued

M-007 FTAM MOT ID: 39

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom

Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date:  
NCC: COS FTAM Tester  
Ver 2.3.1 18-MAR-92

Claimed Hardware and Operating System Platforms: 0056  
SUN 3 Series, SunOS 4.1 or later  
SUN 4 Series, SunOS 4.1 or later

Tested Hardware and Operating System Platforms: 0001

Base/Derived: UPDATE

Connectivity: 0029  
Session/TP0/X.25 PLP/X.25 LAP-B  
Session/TP2/X.25 PLP/X.25 LAP-B  
Session/TP4-CONS/X.25 PLP/X.25 LAP-B  
Session/TP4-CLNS/CLNP

Underlying Stack:  
Protocols and Profiles: 0028  
FTAM/(ACSE)/(Presentation)  
FTAM [ISO 8571:1988] {T1}  
FTAM ACSE [ISO 8650:1988]  
FTAM Presentation [ISO 8823:1988]

Date Registered: 23-APR-92

Type of Registration and Expiration Date:  
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

M-007 FTAM MOT ID: 43

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom

Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date:  
NCC: COS FTAM Tester  
Ver 2.4 05-MAR-92

Claimed Hardware and Operating System Platforms: 0056  
SUN 3 Series, SunOS 4.1 or later  
SUN 4 Series, SunOS 4.1 or later

Tested Hardware and Operating System Platforms: 0001

Base/Derived: UPDATE

Connectivity: 0018  
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C  
Session/TP0/X.25 PLP/X.25 LAP-B/V.35  
Session/TP4-CLNS/CLNP{ES}/LLC1{8802-2}/MAC{8802-3}

Underlying Stack:  
Protocols and Profiles: 0028  
FTAM/(ACSE)/(Presentation)  
FTAM [ISO 8571:1988] {T1}  
FTAM ACSE [ISO 8650:1988]  
FTAM Presentation [ISO 8823:1988]

Date Registered: 14-JUL-92

Type of Registration and Expiration Date:  
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

M-007 FTAM MOT ID: 50

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom

Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date:  
NCC: COS FTAM Tester  
Ver 2.2.2 01-JUL-91

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0023  
SUN 4 Series, SUN OS 4.1

Base/Derived: UPDATE

Connectivity: 0020  
Session/TP0/X.25 PLP/X.25 LAP-B/RS-232C  
Session/TP0/X.25 PLP/X.25 LAP-B/V.35  
Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/RS-232C  
Session/TP4-CLNS/CLNP/X.25 PLP/X.25 LAP-B/V.35  
Session/TP4-CLNS/CLNP/LLC1{8802-2}/MAC{8802-3 and 8802-4}

Underlying Stack:  
Protocols and Profiles: 0028  
FTAM/(ACSE)/(Presentation)  
FTAM [ISO 8571:1988] {T1}  
FTAM ACSE [ISO 8650:1988]  
FTAM Presentation [ISO 8823:1988]

Date Registered: 01-AUG-91

Type of Registration and Expiration Date:  
PROV, GOSIP Version 1 01-OCT-92

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:1-16				

MEANS OF TESTING REGISTER: WIDE AREA NETWORK

M-001 WAN MOT ID: 52

Supplier: Hewlett-Packard Company  
4211 - 95 Street  
Edmonton, Alberta T6E5R6  
Canada

Contact: Bill Mortimer  
Tel: (403) 462-4545 Fax:

Test System Name, Release and Date:  
ISO 8882 Test Suite  
Ver 3.0 01-SEP-92

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0116  
PT300, PT302, PT500, PT502 and PT540, O/S Version 2.0

Base/Derived: BASE

Connectivity: 0044  
RS-232C, V.35

Underlying Stack:  
Protocols and Profiles: 0068  
X.25 PLP [8208]  
(X.25 LAP-B[7776]) {CCITT 1980,1984, ISO 8208}

Date Registered: 29-JAN-93

Type of Registration and Expiration Date:  
FULL, GOSIP Version 2 01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-1		99.7		Full X.25 with inclusion of ANSI Defect Reports.
ATS:2-2		100		

# GOSIP REGISTERS, *Continued*

M-001 WAN MOT ID: 56  
 Supplier: Hewlett-Packard Company  
 4211 - 95 Street  
 Edmonton, Alberta T6E5R6  
 Canada  
 Contact: Bill Mortimer  
 Tel: (403) 462-4545 Fax:  
 Test System Name, Release and Date:  
 ISO 8882 Test Suite  
 Ver 3.1  
 01-FEB-93  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0126  
 PT300, PT302, PT500, PT502 AND PT540  
 OS Ver 2.0 (PT500/300), 2.7 (PT502/300) and 2.8 (PT540)  
 Base/Derived: UPDATE  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack:  
 Protocols and Profiles: 0068  
 X.25 PLP [8208]  
 (X.25 LAP-B[7776]) {CCITT 1980,1984, ISO 8208}  
 Date Registered: 17-FEB-93  
 Type of Registration and Expiration Date:  
 FULL, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-1	100			
ATS:2-2	100			FULL X.25 WITH THE INCLUSION OF ANSI DEFECT REPORTS.

M-001 WAN MOT ID: 70  
 Supplier: IBM Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709  
 Contact: John Lowman  
 Tel: (919) 543-1673 Fax: (919) 245-2372  
 Test System Name, Release and Date:  
 Automated Protocol Test System/2 (APTS/2)  
 Ver 1.0  
 28-AUG-93  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0185  
 IBM PS/2 with OS/2 Version 2.0 or Version 2.1  
 Base/Derived: UPDATE  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack: None  
 Protocols and Profiles: 0080  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990]  
 X.25 HDLC/LAP-B [ISO 7776:1986]  
 Date Registered: 26-OCT-93  
 Type of Registration and Expiration Date:  
 FULL, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-1A	99.7			
ATS:2-2A	100			

M-001 WAN MOT ID: 51  
 Supplier: International Business Machines Corporation  
 P.O. Box 12195  
 Research Triangle Park, NC 27709  
 Contact: John G Conner  
 Tel: (919) 254-2679 Fax:  
 Test System Name, Release and Date:  
 Automated Protocol Test System/2 (APTS/2)  
 Ver 1.1  
 03-AUG-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0097  
 IBM PS/2 Model 70, 80 or 90 with 8MB memory  
 OS/2 Ver 1.3  
 Base/Derived: BASE  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack:  
 Protocols and Profiles: 0068  
 X.25 PLP [8208]  
 (X.25 LAP-B[7776]) {CCITT 1980,1984, ISO 8208}  
 Date Registered: 14-DEC-92  
 Type of Registration and Expiration Date:  
 FULL, GOSIP Version 2  
 01-JAN-94  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-1	99.7			
ATS:2-2	100			

M-001 WAN MOT ID: 57  
 Supplier: TEKELEC  
 26580 West Aqoura Road  
 Calabasas, CA 91302  
 Contact: Siamak Poursabahian  
 Tel: (818) 880-7952 Fax: (818) 880-6993  
 Test System Name, Release and Date:  
 Chameleon 32-Plus ISO 8882 Test Suite  
 Ver 1.0  
 14-JUL-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0125  
 Chameleon 32-Plus  
 MTOS-UX  
 Base/Derived: BASE  
 Connectivity: 0044  
 RS-232C, V.35  
 Underlying Stack:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}  
 Date Registered: 08-FEB-93  
 Type of Registration and Expiration Date:  
 FULL, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-1	100			Full X.25
ATS:2-2	100			WITH THE INCLUSION OF ANSI DEFECT REPORTS.



# GOSIP REGISTERS, Continued

M-001 WAN MOT ID: 68  
 Supplier: TEKELEC  
 26580 W. Aqoura Road  
 Calabasas, CA 91302

Contact: Pierre Prescott  
 Tel: (818) 880-7780 Fax: (818) 880-6993  
 Email:

Test System Name, Release and Date:  
 Chameleon 32-Plus ISO 8882 Test Suite  
 Ver 2.0  
 17-DEC-92

Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0125  
 Chameleon 32-Plus  
 MTOS-UX

Base/Derived: UPDATE  
 Connectivity: 0044  
 RS-232C, V.35

Underlying Stack:  
 Protocols and Profiles: 0001  
 X.25 PLP/X.25 LAP-B  
 X.25 PLP [ISO 8208:1990] {CCITT 1984}  
 X.25 LAP-B [ISO 7776:1986] {CCITT 1984}

Date Registered: 12-MAY-93  
 Type of Registration and Expiration Date:  
 FULL, GOSIP Version 2  
 01-JAN-00

Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-1		100		
ATS:2-2		100		

MEANS OF TESTING REGISTER: LOCAL AREA NETWORK  
 MEANS OF TESTING REGISTER: CLNP  
 MEANS OF TESTING REGISTER: SESSION  
 MEANS OF TESTING REGISTER: MHS  
 MEANS OF TESTING REGISTER: FTAM  
 REGISTER OF GOSIP MEANS OF TESTING GOSIP VERSION 2

Means of Testing (MOT) for the GOSIP program of conformance testing are listed here. These MOTs relate to the protocols identified in FIPS 146-1, GOSIP Version 2. The type of registration and expiration date are listed with each MOT. For further details on MOTs found in this register, please contact the named supplier.

MEANS OF TESTING REGISTER: WIDE AREA NETWORK  
 MEANS OF TESTING REGISTER: LOCAL AREA NETWORK  
 MEANS OF TESTING REGISTER: CLNP

M-003 TP-CLNP - ES-IS MOT ID: 61  
 Supplier: Alcatel TITN Incorporated  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Email:

Test System Name, Release and Date:  
 XRTLE Ver 4.21  
 CLNP Ver 1.1  
 29-JAN-92

Claimed Hardware and Operating System Platforms: 0206  
 80386 based PC, Interactive 386/iX UNIX Ver 2.2, 3.0, and 3.0.1  
 Tested Hardware and Operating System Platforms: 0129  
 80386 Based PC, Interactive 386/iX UNIX Ver 3.0

Base/Derived: BASE  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}

Underlying Stack: LAN CMC 640 A.T. Type CMC  
 Protocols and Profiles: 0059  
 CLNP{ES} [ISO 8473]

Date Registered: 11-JAN-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00

Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-7	90.9	0	90.9	

MEANS OF TESTING REGISTER: CLNP

M-003 TP-CLNP - ES-IS MOT ID: 71  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078

Test System Name, Release and Date:  
 XRTLE V5.20  
 ES-IS(ES) V1.1  
 01-JUN-93

Claimed Hardware and Operating System Platforms: 0186  
 PC 386/486  
 Interactive UNIX V2.2, V2.2.1, V3.0, V3.0.1

Tested Hardware and Operating System Platforms: 0061  
 80386 PC, Interactive 386/iX UNIX Ver 2.2

Base/Derived: BASE  
 Connectivity: 0107  
 LLC1{802.2}/MAC{802.3}/10Base5

Underlying Stack: TWICE software modified by Alcatel TITN  
 ANSWARE  
 Protocols and Profiles: 0081

ES-IS{ES} [ISO 9542:1988][SIA VER 3]  
 Date Registered: 01-OCT-93  
 Type of Registration and Expiration Date:

PROV, GOSIP Version 2  
 01-JAN-00

Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-18	87	8	95	

# GOSIP REGISTERS, Continued

M-003 TP-CLNP - ES-IS MOT ID: 58  
 Supplier: National Computing Centre Limited  
 Oxford House, Oxford Road  
 Manchester M1 7ED  
 United Kingdom  
 Contact: Peter Bird  
 Tel: +44 61 228 6333 Fax: +44 61 236 9877  
 Email: peter@ncc.co.uk  
 Test System Name, Release and Date:  
 NCC IP (CLNP) Test System  
 Ver 2.2.1, ITS Ver 2.3  
 01-MAR-91  
 Claimed Hardware and Operating System Platforms: 0187  
 Sun-3 or Sun-4 Workstations  
 SunOS 4.1.1, 4.1.2 or 4.1.3  
 Tested Hardware and Operating System Platforms: 0001  
 Base/Derived: BASE  
 Connectivity: 0115  
 LLC1{802.2}/MAC{802.3}  
 X.25 PLP/X.25 LAP-B  
 Underlying Stack:SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0 (TP0)  
 Protocols and Profiles: 0046  
 CLNP{ES} [ISO 8473:1988] {Static Routing}  
 Date Registered: 03-MAR-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-7 97.1 With use of manual assessment

## MEANS OF TESTING REGISTER: TRANSPORT

M-004 TRANSPORT MOT ID: 54  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton CA 94566-3101  
 Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Test System Name, Release and Date:  
 XRTLE Ver 4.21  
 TR02 (Transport Class 0) Ver 1.1  
 29-JAN-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0061  
 80386 PC, Interactive 386/iX UNIX Ver 2.2  
 Base/Derived: BASE  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack:TWICE Source code modified by Alcatel TITN  
 ANSWARE  
 Protocols and Profiles: 0010  
 Transport Class 0 [ISO 8073:1988]  
 Date Registered: 01-FEB-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-8 87 0 87

M-004 TRANSPORT MOT ID: 59  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101  
 Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Email:  
 Test System Name, Release and Date:  
 XRTLE Ver 4.21  
 TR02 (Transport Class 2) Ver 1.1  
 29-JAN-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0061  
 80386 PC, Interactive 386/iX UNIX Ver 2.2  
 Base/Derived: BASE  
 Connectivity: 0046  
 X.25 PLP/HDLC LAP-B  
 Underlying Stack:TWICE Source code modified by Alcatel TITN  
 ANSWARE for X.25  
 Protocols and Profiles: 0060  
 Transport Class 2 [ISO 8073:1988]  
 Date Registered: 05-MAR-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-20 92.7 1 93.7

M-004 TRANSPORT MOT ID: 62  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101  
 Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Email:  
 Test System Name, Release and Date:  
 XRTLE Ver 4.21  
 T4L (TP4-CLNS) Ver 2.4.1  
 29-JAN-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0061  
 80386 PC, Interactive 386/iX UNIX Ver 2.2  
 Base/Derived: BASE  
 Connectivity: 0041  
 CLNP{ES}/LLC1{802.2}/MAC{802.3}  
 Underlying Stack:TWICE Source code modified by Alcatel TITN  
 ANSWARE for CLNP  
 Protocols and Profiles: 0075  
 Transport Class 4-CLNS [ISO 8073:1988 / Add2:1989]  
 Date Registered: 05-MAR-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments

ATS:2-9.1 94.7 .6 95.3



# GOSIP REGISTERS, Continued

M-004 TRANSPORT MOT ID: 73

Supplier: Alcatel TITN Test Center  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare  
Tel: (510) 484-5674 Fax: (510) 484-4078  
Email:

Test System Name, Release and Date:  
XRTLE Ver 4.21  
TP4/CLNS Ver 2.41  
29-JAN-92

Claimed Hardware and Operating System Platforms: 0187  
Sun-3 or Sun-4 Workstations  
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0216  
Sun-4 IPC Workstation  
SunOS 4.1.1

Base/Derived: UPDATE  
Connectivity: 0041  
CLNP{ES}/LLC1{802.2}/MAC{802.3}

Underlying Stack:TWICE Source code modified by Alcatel TITN  
ANSWARE for CLNP

Protocols and Profiles: 0082  
Transport Class 4-CLNP [ISO 8073:1988/Add2:1989]

Date Registered: 03-DEC-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2  
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
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ATS:2-9.1	94.7	.6	95.3	
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M-004 TRANSPORT MOT ID: 72

Supplier: Alcatel TITN Test Center  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare  
Tel: (510) 484-5674 Fax: (510) 484-4078  
Email:

Test System Name, Release and Date:  
XRTLE Ver 4.21  
TR02 (TP0) Ver 1.1  
29-JAN-92

Claimed Hardware and Operating System Platforms: 0187  
Sun-3 or Sun-4 Workstations  
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0216  
Sun-4 IPC Workstation  
SunOS 4.1.1

Base/Derived: UPDATE  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B

Underlying Stack:TWICE Source code modified by Alcatel TITN  
ANSWARE for X.25

Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]

Date Registered: 03-DEC-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2  
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
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ATS:2-8	87	0	87	
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M-004 TRANSPORT MOT ID: 60

Supplier: Alcatel TITN Test Center  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare  
Tel: (510) 484-5674 Fax: (510) 484-4078  
Email:

Test System Name, Release and Date:  
XRTLE Ver 4.21 TP4/CONS  
Ver 2.3  
29-JAN-92

Claimed Hardware and Operating System Platforms: 0001  
Tested Hardware and Operating System Platforms: 0061  
80386 PC, Interactive 386/IX UNIX Ver 2.2

Base/Derived: BASE  
Connectivity: 0046  
X.25 PLP/HDLC LAP-B

Underlying Stack:TWICE Source code modified by Alcatel TITN  
ANSWARE for X.25

Protocols and Profiles: 0011  
Transport Class 4-CONS [ISO 8073:1988]

Date Registered: 02-MAR-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2  
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
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ATS:2-9.3	86.5	2.6	89.1	
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M-004 TRANSPORT MOT ID: 64

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom

Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date:  
NCC ITS Transport Test System, Class 0  
Release 3.0  
04-JAN-92  
ITS Protocol Engine Ver 2.3

Claimed Hardware and Operating System Platforms: 0187  
Sun-3 or Sun-4 Workstations  
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0145  
SunSPARCstation 4/330 with SunOS 4.1.2

Base/Derived: BASE  
Connectivity: 0063  
X.25 PLP/X.25 LAP-B/RS-232C

Underlying Stack:SunNET OSI 7.0 (TP4-CLNS) + SunNET X.25 7.0 (TP0)

Protocols and Profiles: 0010  
Transport Class 0 [ISO 8073:1988]

Date Registered: 31-MAR-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2  
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
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ATS:2-8	85.2	3.7	88.9	
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# GOSIP REGISTERS, *Continued*

M-004 TRANSPORT MOT ID: 65  
 Supplier: National Computing Centre Limited  
 Oxford House, Oxford Road  
 Manchester M1 7ED  
 United Kingdom  
 Contact: Peter Bird  
 Tel: +44 61 228 6333 Fax: +44 61 236 9877  
 Email: peter@ncc.co.uk  
 Test System Name, Release and Date:  
 NCC ITS Transport Test System, Class 2 Release 3.0  
 ITS Protocol Engine Ver 2.3  
 04-JAN-92  
 Claimed Hardware and Operating System Platforms: 0187  
 Sun-3 or Sun-4 Workstations  
 SunOS 4.1.1, 4.1.2 or 4.1.3  
 Tested Hardware and Operating System Platforms: 0145  
 SunSPARCstation 4/330 with SunOS 4.1.2  
 Base/Derived: BASE  
 Connectivity: 0063  
 X.25 PLP/X.25 LAP-B/RS-232C  
 Underlying Stack: SunNET 7.0 X.25 + OSI  
 Protocols and Profiles: 0060  
 Transport Class 2 [ISO 8073:1988]  
 Date Registered: 31-MAR-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:2-20 66.5 5.3 71.8

M-004 TRANSPORT MOT ID: 67  
 Supplier: National Computing Centre Limited  
 Oxford House, Oxford Road  
 Manchester M1 7ED  
 United Kingdom  
 Contact: Peter Bird  
 Tel: +44 61 228 6333 Fax: +44 61 236 9877  
 Email: peter@ncc.co.uk  
 Test System Name, Release and Date:  
 NCC ITS Transport Test System, Class 4/CLNS Release 3.0  
 ITS Protocol Engine Ver 2.3  
 01-MAY-92  
 Claimed Hardware and Operating System Platforms: 0187  
 Sun-3 or Sun-4 Workstations  
 SunOS 4.1.1, 4.1.2 or 4.1.3  
 Tested Hardware and Operating System Platforms: 0145  
 SunSPARCstation 4/330 with SunOS 4.1.2  
 Base/Derived: BASE  
 Connectivity: 0010  
 LLC1{802.2}/MAC{802.3}  
 Underlying Stack:  
 Protocols and Profiles: 0069  
 Transport Clas 4/CLNS [ISO 8073]:1988/Add.2:1989  
 Date Registered: 31-MAR-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:2-9.2 86.5 2.4 88.9

M-004 TRANSPORT MOT ID: 66  
 Supplier: National Computing Centre Limited  
 Oxford House, Oxford Road  
 Manchester M1 7ED  
 United Kingdom  
 Contact: Peter Bird  
 Tel: +44 61 228 6333 Fax: +44 61 236 9877  
 Email: peter@ncc.co.uk  
 Test System Name, Release and Date:  
 NCC ITS Transport Test System, Class 4/CONS Release 3.0  
 ITS Protocol Engine Ver 2.3  
 04-JAN-92  
 Claimed Hardware and Operating System Platforms: 0187  
 Sun-3 or Sun-4 Workstations  
 SunOS 4.1.1, 4.1.2 or 4.1.3  
 Tested Hardware and Operating System Platforms: 0145  
 SunSPARCstation 4/330 with SunOS 4.1.2  
 Base/Derived: BASE  
 Connectivity: 0063  
 X.25 PLP/X.25 LAP-B/RS-232C  
 Underlying Stack: SunNET 7.0 X.25 + OSI  
 Protocols and Profiles: 0011  
 Transport Class 4-CONS [ISO 8073:1988]  
 Date Registered: 31-MAR-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:2-9.2 77.8 3.8 81.6

M-005 SESSION MOT ID: 63  
 Supplier: Alcatel TITN Test Center  
 7011 Koll Center Parkway, Suite 200  
 Pleasanton, CA 94566-3101  
 Contact: Sanjay P Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Email:  
 Test System Name, Release and Date:  
 XRTLE Ver 4.21  
 Session Version 1.1  
 29-JAN-92  
 Claimed Hardware and Operating System Platforms: 0186  
 PC 386/486  
 Interactive UNIX V2.2, V2.2.1, V3.0, V3.0.1  
 Tested Hardware and Operating System Platform: 0129  
 80386 Based PC, Interactive 386/iX UNIX Ver 3.0  
 Base/Derived: BASE  
 Connectivity: 0059  
 TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}  
 Underlying Stack: TWICE Source code modified by Alcatel TITN  
 ANSWARE for  
 Transport and CLNP  
 Protocols and Profiles: 0066  
 Session [ISO 8327:1987]  
 Date Registered: 14-JAN-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATS:2-10.1 98.4 .2 89.6 With use of manual  
 assessment



# GOSIP REGISTERS, *Continued*

M-005 SESSION MOT ID: 74

Supplier: Alcatel TITN Test Center  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101

Contact: Sanjay P Lokare  
Tel: (510) 484-5674 Fax: (510) 484-4078  
Email:

Test System Name, Release and Date:  
XRTLE Ver 4.21  
SESSION Ver 1.1  
29-JAN-92

Claimed Hardware and Operating System Platforms: 0187  
Sun-3 or Sun-4 Workstations  
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platform: 0001

Base/Derived: UPDATE

Connectivity: 0108  
TP4-CLNS/CLNP{ES}/LAN

Underlying Stack: TWICE Source code modified by Alcatel TITN  
ANSWARE for  
Transport and CLNP

Protocols and Profiles: 0066  
Session [ISO 8327:1987]

Date Registered: 03-DEC-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2  
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-10.1	98.4	.2	98.6	

M-006 MHS MOT ID: 53

Supplier: Alcatel TITN Incorporated  
12030 Sunrise Valley Drive  
Reston, VA 22091

Contact: Sanjay Lokare  
Tel: (510) 484-5674 Fax: (510) 484-4078  
Email:

Test System Name, Release and Date: GENEPIX400  
Ver 2.6  
28-JUN-92  
MOT Engine - Supervisor V2.2 (Apr 92)

Claimed Hardware and Operating System Platforms: 0001

Tested Hardware and Operating System Platforms: 0061  
80386 PC, Interactive 386/iX UNIX Ver 2.2

Base/Derived: BASE

Connectivity: 0026  
TP0/X.25 PLP/X.25 LAP-B/RS-232C

Underlying Stack: TWICE Source code modified by Alcatel TITN  
ANSWARE for  
Session Transport, CLNP, LLC1, X.25

Protocols and Profiles: 0056  
MHS-84  
MHS-84 [X.400:1984] {P2, P1, RTS}

Date Registered: 04-FEB-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2  
01-JAN-00

Reason for Removal:

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	67.2	14.9	82.1	
ATS:2-13.3	90.5	0	90.5	
ATS:2-13.4	94.2	2.6	96.8	

M-006 MHS MOT ID: 69

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom

Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date: 84mhs Test System, Ver 1.0  
ITS Protocol Engine Rel 24 01-FEB-93  
OpenWindows 3.0; Registration for Session expires 01-MAY-94

Claimed Hardware and Operating System Platforms: 0187  
Sun-3 or Sun-4 Workstations  
SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0145  
SunSPARCstation 4/330 with SunOS 4.1.2

Base/Derived: BASE

Connectivity: 0058 TP0/WAN

Underlying Stack: SunNET OSI 7.0(TP4-CLNS)+SunNET X.25 7.0

Protocols and Profiles: 0045  
MHS-84/(Session) MHS-84 [X.400:1984] {P2, P1, RTS}  
MHS-84 Session [X.410:1984]

Date Registered: 24-MAY-93

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2 01-JAN-00

Ats Code	Auto %	Manual %	Total %	Comments
ATS:2-13.2	97.1	0	97.1	
ATS:2-13.3	85.2	7.1	92.3	
ATS:2-13.4	82	0	82	
ATS:2-13.5	65.4	0	65.4	

M-006 MHS MOT ID: 77

Supplier: National Computing Centre Limited  
Oxford House, Oxford Road  
Manchester M1 7ED  
United Kingdom

Contact: Peter Bird  
Tel: +44 61 228 6333 Fax: +44 61 236 9877  
Email: peter@ncc.co.uk

Test System Name, Release and Date: 88mhs Test System  
Ver 1.1 29-SEP-93  
Integrated Tool Set (ITS) protocol Engine Release 24 with  
patch 018 using OpenWindows 3.0

Claimed Hardware and Operating System Platforms: 0187  
Sun-3 or Sun-4 Workstations SunOS 4.1.1, 4.1.2 or 4.1.3

Tested Hardware and Operating System Platforms: 0145  
SunSPARCstation 4/330 with SunOS 4.1.2

Base/Derived: BASE

Connectivity: 0114  
TP4-CLNS/CLNP/LAN TP0/X.25

Underlying Stack: SunNET OSI7.0 (TP4-CLNS)+SunNET X.25 7.0

Protocols and Profiles: 0091  
MHS-88/(ACSE)/(PRES)/(Session)  
MHS-88 MTA [X.400:1988] {P2,P1,RTSE}  
MHS-88 ACSE [ISO 8650:1988] {MH}  
MHS-88 Presentation [ISO 8823:1988] {MH}  
MHS-88 Session [ISO 8327:1987]

Date Registered: 13-APR-94

Type of Registration and Expiration Date:  
PROV, GOSIP Version 2 01-JAN-00

Ats Code	Auto %	Manual %	Total %	Comments
ATS:3-22.1.2	39.2	23.8	63	PASS
ATS:3-22.2.1	88.9	0	88.9	PASS
ATS:3-22.3.1	55.6	24.4	80	PASS
ATS:3-22.4	86.3	2.4	88.7	PASS
ATS:3-22.5	81.2	12.2	93.4	PASS
ATS:3-22.6	78.2	12.9	91.1	PASS

# GOSIP REGISTERS, Continued

M-007 FTAM MOT ID: 55  
 Supplier: Alcatel TITN Incorporated  
 12030 Sunrise Valley Drive  
 Reston, VA 22091  
 Contact: Sanjay Lokare  
 Tel: (510) 484-5674 Fax: (510) 484-4078  
 Test System Name, Release and Date:  
 XRTLE Ver 4.21  
 FTAM Ver 1.31 29-JAN-92  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0061  
 80386 PC, Interactive 386/iX UNIX Ver 2.2  
 Base/Derived: BASE  
 Connectivity: 0062  
 Session/TP4-CLNS/CLNP{ES}/LLC1{802.2}/MAC{802.3}  
 Session/TP4-CONS/X.25 PLP/X.25/RS-232C  
 Session/TP0/X.25 PLP/X.25/RS-232C  
 Underlying Stack:TWICE Source code modified by Alcatel TITN  
 ANSWARE for Session Transport, CLNP, LLC1, X.25  
 Protocols and Profiles: 0057  
 FTAM [ISO 8571:1988] {T1} Simple File Transfer Protocol  
 Date Registered: 25-JAN-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2  
 01-JAN-00  
 Reason for Removal:  
 Ats Code Auto % Manual % Total % Comments  
 ATs:2-16.1 78 6 84

M-007 FTAM MOT ID: 75  
 Supplier: GSI-Danet Incorporated  
 1380 Old Freeport Road  
 Pittsburgh, PA 15238  
 Contact: Hans-Ludwig Heil  
 Tel: (412) 967-0834 Fax: (412) 963-6779  
 Test System Name, Release and Date:  
 OSITEST/FTAM  
 Version 2.6.3.2  
 01-MAR-93  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0149  
 SunSPARCstation 4/330 with SunOS 4.1.1  
 Base/Derived: BASE  
 Connectivity: 0109  
 TP4-CLNS/CLNP{ES}/LAN TP0/WAN  
 Underlying Stack:SunNet OSI 7.0; SunNet X.25 7.0  
 Protocols and Profiles: 0073  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988] {ASN.1}  
 FTAM Session [ISO 8327:1987] {R&R}  
 Date Registered: 28-JUN-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Version 2 01-JAN-00  
 Ats Code Auto % Manual % Total % Comments  
 ATs:2-16.10 81 0 81  
 ATs:2-16.11 95 0 95  
 ATs:2-16.12 90 0 90  
 ATs:2-16.13 73 0 73  
 ATs:2-16.2 91 0 91  
 ATs:2-16.4 83 0 83  
 ATs:2-16.6 90 0 90  
 ATs:2-16.7 87 0 87  
 ATs:2-16.8 93 0 93  
 ATs:2-16.9 82 0 82

M-007 FTAM MOT ID: 76  
 Supplier: National Computing Centre, Ltd.  
 Oxford Road  
 Manchester M17ED  
 United Kingdom  
 Contact: Robert Clark  
 Tel: (510) 687-3002 Fax:  
 Test System Name, Release and Date: FTAM Version 3.0  
 Claimed Hardware and Operating System Platforms: 0001  
 Tested Hardware and Operating System Platforms: 0145  
 SunSPARCstation 4/330 with SunOS 4.1.2  
 Base/Derived: BASE  
 Connectivity: 0110 TP4-CLNS/CLNP{ES}/LAN  
 TP4-CLNS/CLNP{ES}/WAN TP0/WAN  
 Underlying Stack:SunNet OSI 7.0; SunNet X.25 7.0  
 Protocols and Profiles: 0073  
 FTAM/(ACSE)/(Presentation)/(Session)  
 FTAM [ISO 8571:1988] {T1, M1, T2, A1, R&R}  
 FTAM ACSE [ISO 8650:1988]  
 FTAM Presentation [ISO 8823:1988] {ASN.1}  
 FTAM Session [ISO 8327:1987] {R&R}  
 Date Registered: 28-JUN-93  
 Type of Registration and Expiration Date:  
 PROV, GOSIP Ver 2 01-JAN-00  
 Ats Code Auto % Manual % Total % Comments  
 ATs:2-16.10 95 0 95  
 ATs:2-16.11 95 0 95  
 ATs:2-16.12 94 0 94  
 ATs:2-16.2 94 0 94  
 ATs:2-16.3 75 0 75  
 ATs:2-16.6 90 0 90  
 ATs:2-16.7 96 0 96  
 ATs:2-16.8 88 0 88  
 ATs:2-16.9 100 0 100  
 ATs:2-26.13 97 0 97



## GOSIP REGISTERS, *Continued*

### 5.4.7 PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENTS REGISTER

3-22.5

Protocol: Reliable Transfer Service Element

GOSIP Version: 3

Expire Date:

Comments: Referenced by ISO/IEC DISP 10611-2:1993(E)

Title: PICS Proforma for RTSE Protocol

Organization: International Telecommunications  
Union-Telecommunication Standardization Sector

Issue Date: 10-SEP-92

Issue: Recommendation X.248

Comments: None

PICS:1-13

Protocol: Message Handling System - 1984, Reliable Transfer Server  
Profile P1, P2

GOSIP Version: 1

Expire Date:

Comments: None

Title: COS Stack Specification COS/AMH113

Organization: Corporation for Open Systems International Test  
Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax VA 22031  
USA

Issue Date: 15-APR-92

Issue: Version 1.2

Comments: None

PICS:2-1

Protocol: X.25 Link Access Procedure - B

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for X.25 Data Link Layer

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 01-MAR-92

Issue: ISO 7776

Comments: None

PICS:2-10

Protocol: Session

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for basic connection oriented session

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 22-OCT-92

Issue: ISO 8327-2

Comments: None

PICS:2-13.1

Protocol: Message Handling System - 1984, Reliable Transfer  
Server  
Profile P1, P2

GOSIP Version: 2

Expire Date:

Comments: None

Title: Corporation for Open Systems (COS)

Organization: Corporation for Open Systems International  
1750 Old Meadow Road  
McLean VA 22102  
USA

Issue Date: 15-APR-92

Issue: Version 1.2

Comments: None

PICS:2-13.2

Protocol: Message Handling System - 1984, Session Protocol

GOSIP Version: 2

Expire Date:

Comments: None

Title: COS Stack Specification COS/AMH113

Organization: Corporation for Open Systems International Test  
Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax VA 22031  
USA

Issue Date: 15-APR-92

Issue: Version 1.2

Comments: None

PICS:2-16.1

Protocol: File Transfer, Access, and Management

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS for FTAM

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 15-DEC-90

Issue: ISO 8571-5:1988

Comments: ISO/IEC SC6

## GOSIP REGISTERS, *Continued*

Title: PROFILE REQUIREMENTS LIST

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 01-DEC-91  
Issue: OIW/SIA PART 10 PHASE 3  
Comments: None

PICS:2-16.2

Protocol: Association Control Service Element

GOSIP Version: 2  
Expire Date:  
Comments: Adjust requirements to conform to the application

Title: PICS Proforma for Association Control Service Element

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 22-OCT-92  
Issue: ISO 8650-2  
Comments: None

PICS:2-16.3

Protocol: Presentation

GOSIP Version: 2  
Expire Date:  
Comments: Adjust requirements to conform to the application

Title: PICS Proforma for Presentation

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 22-OCT-92  
Issue: ISO 8823-2  
Comments: None

PICS:2-16.4

Protocol: Session

GOSIP Version: 2  
Expire Date:  
Comments: If embedded, adjust requirements to conform to the application

Title: PICS Proforma for basic connection oriented session

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 22-OCT-92  
Issue: ISO 8327-2  
Comments: None

PICS:2-17.1

Protocol: X.500-88 Directory Access Protocol

GOSIP Version: 2  
Expire Date:  
Comments: Under Review

Title: PICS Proforma for Directory Access Protocol (DAP)

Organization: International Telecommunications  
Union-Telecommunication Standardization Sector

Issue Date: 06-APR-92  
Issue: Draft Recommendation X.581  
Comments: None

PICS:2-17.2

Protocol: X.500-88 Directory System Protocol

GOSIP Version: 2  
Expire Date:  
Comments: Under Review

Title: PICS Proforma for Directory System Protocol (DSP)

Organization: International Telecommunications  
Union-Telecommunication Standardization Sector

Issue Date: 06-APR-92  
Issue: Draft Recommendation X.582  
Comments: None

PICS:2-2

Protocol: X.25 Packet Layer Protocol

GOSIP Version: 2  
Expire Date:  
Comments: None

Title: PICS Proforma for X.25 Packet Layer

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 01-MAR-92  
Issue: ISO 8208  
Comments: None

PICS:2-3.1

Protocol: End System to Intermediate System

GOSIP Version: 2  
Expire Date:  
Comments: None



## GOSIP REGISTERS, *Continued*

Title: PICS Proforma for End System to Intermediate System

Organization: International Organization for Standardization (ISO)

Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 15-AUG-88

Issue: ISO 9542

Comments: None

Title: Interim Profile Specific ICS (SIA June 1990)

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 15-DEC-93

Issue: ---

Comments: None

PICS:2-7

Protocol: Connectionless Network Layer Protocol

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for Connectionless Network Layer Protocol

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 01-MAR-92

Issue: ISO 8473

Comments: None

PICS:2-8.1

Protocol: Transport Class 0 & 4

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for Transport Class 0 and 4 Protocols

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 01-MAR-92

Issue: ISO 8073

Comments: None

### PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENTS REGISTER 01-JUN-94

PICS:2-8.2

Protocol: Transport Class 0, 2, & 4

GOSIP Version: 2

Expire Date:

Comments: None

Title: PICS Proforma for TRANSPORT Class 0, 2, and 4  
Protocols

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date: 01-JUN-93

Issue: ISO 8073:1988

Comments: Updated June 93 to include TP2

PICS:2-9

Protocol: Connectionless Transport

GOSIP Version: 2

Expire Date:

Comments: Voting Terminates on 29 Oct 1993 for ISO  
8602:1987/DAM 1

Title: PICS Proforma for Connectionless Transport

Organization: International Organization for Standardization (ISO)

Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 01-APR-93

Issue: ISO 8602:1987/DAM1:1993

Comments: None

PICS:3-22.1

Protocol: Message Handling System - 1988, P1 Profile

GOSIP Version: 3

Expire Date:

Comments: This is also known as ISO/IEC DISP 10611-3:1993(E)

Title: Message Handling Systems-Common Messaging-Part 3:  
AMH11- Message Transfer(P1)

Organization: International Organization for Standardization (ISO)

Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 31-JUL-93

Issue: ISO DISP 10611-3

Comments: None

PICS:3-22.2

Protocol: Message Handling System - 1988, P2 Profile

GOSIP Version: 3

Expire Date:

Comments: This is also known as pDISP AMH2-2: September 1993

## GOSIP REGISTERS, *Continued*

Title: Message Handling Systems-Interpersonal Messaging-Part 2:  
AMH21-IPM Content

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 24-SEP-93  
Issue: pDISP AMH2-2  
Comments: None

PICS:3-22.3

Protocol: Message Handling Systems - 1988 {P3}

GOSIP Version: 3  
Expire Date:  
Comments: This is also known as ISO/IEC DISP 10611-4:1993(E)

Title: Message Handling Systems-Common Messaging-Part 4:  
AMH12-MTS Access(P3)

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 31-JUL-93  
Issue: ISO DISP 10611-4  
Comments: None

PICS:3-22.4

Protocol: Message Handling Systems - 1988 {P7}

GOSIP Version: 3  
Expire Date:  
Comments: This is also known as ISO/IEC DISP 10611-5:1993(E)

Title: Message Handling Systems-Common Messaging-Part 5:  
AMH13-MS Access (P7)

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 31-JUL-93  
Issue: ISO DISP 10611-5  
Comments: None

Title: Message Handling Systems-Common Messaging- Part5:  
AMH24--IPM Requirements for Enhanced MS Access (P7)

Organization: International Organization for Standardization (ISO)  
Case Pastale 56  
CH-1211 Geneve 20  
Switzerland

Issue Date: 24-SEP-93  
Issue: PDISP AMH2-5 (Suppl.)  
Comments: None

### 5.4.8 ABSTRACT TEST SUITES CONFORMANCE REGISTER

ATS:1-1

Protocol: HDLC LAP-B  
High Level Data Link Control, Logical Access Procedure B

GOSIP Version: 1  
Expire Date:  
Comments:

Title X.25-DTE Conformance Testing: Text for Data Link Layer Test  
Suite

Organization: ISO/IEC JTC1/SC2  
USA

Issue Date: 30-JUN-90  
Issue: ISO/IEC DP 8882-2  
Comments:  
ATS:1-10

Protocol: Session  
Session

GOSIP Version: 1  
Expire Date:  
Comments:

Title Session Abstract Test Suite; Volumes 1, 2 and 3

Organization: CTS-WAN

USA  
Issue Date: 01-SEP-88  
Issue: CTS-WAN/T&S/ABS/SES/CS/1.0  
Comments:

ATS:1-13

Protocol: MHS-84{RTS}  
Message Handling System - 1984, Reliable Transfer  
Service  
Profile

GOSIP Version: 1  
Expire Date:  
Comments: Also issued under NIST cover, August 1990.

Title MHS RTS Tests and Testing Guide

Organization: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom

Issue Date: 01-APR-90  
Issue: Issue 2  
Comments:

ATS:1-14  
Protocol: MHS-84{P1}  
Message Handling System - 1984, P1 Profile

GOSIP Version: 1  
Expire Date:  
Comments: Also issued under NIST cover, August 1990.



## GOSIP REGISTERS, *Continued*

Title MHS P1 Tests and Testing Guide

Organization: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom  
Issue Date: 01-APR-90  
Issue: Issue 3  
Comments:  
ATS:1-15  
Protocol: MHS-84{P2}  
Message Handling System - 1984, P2 Profile  
GOSIP Version: 1  
Expire Date:  
Comments: Also issued under NIST cover, August 1990.

Title MHS P2 Tests and Testing Guide

Organization: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom  
Issue Date: 01-APR-90  
Issue: Issue 3  
Comments:  
ATS:1-16  
Protocol: FTAM{T1,T2}/ACSE/Presentation  
File Transfer, Access, and Management: T1 and T2  
Profiles, Association Control Service Element, and Presentation  
GOSIP Version: 1  
Expire Date:  
Comments: T1 and T2 profiles from NIST; ACSE and Presentation  
from NCC.

Title FTAM Abstract Test Suite for GOSIP Version 1

Organization: National Institute of Standards and Technology (NIST)  
Building 225, Room B151  
Gaithersburg, MD 20899  
Issue Date: 01-AUG-90  
Issue:  
Comments:

Title FTAM Tests and Testing Guide

Organization: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom  
Issue Date: 03-AUG-90  
Issue: NCC/TPD - 89/016  
Comments:  
  
ATS:1-2  
Protocol: X.25 PLP  
X.25 Packet Layer Protocol  
GOSIP Version: 1  
Expire Date:  
Comments:

Title DIS 8882-3 London Output.

Organization: ISO/IEC JTC1/SC2  
  
USA  
Issue Date: 20-JUN-90  
Issue: ISO/IEC JTC1/SC6/N5608 Revised  
Comments:  
  
ATS:1-3  
Protocol: MAC & PLS [ISO 8802/3]  
Medium Access Control and Physical Layer Signaling [ISO  
8802/3]  
GOSIP Version: 1  
Expire Date:  
Comments: Incorporates four test suites submitted by  
Corporation for  
Open Systems (COS) International, October 1989.

Title 802.3 Draft Abstract Test Suite for GOSIP Version 1.

Organization: National Institute of Standards and Technology (NIST)  
Building 225, Room B151  
Gaithersburg, MD 20899  
Issue Date: 01-AUG-90  
Issue:  
Comments:  
  
ATS:1-4  
Protocol: MAC & PLS [ISO 8802/4]  
Medium Access Control and Physical Layer Signaling [ISO  
8802/4]  
GOSIP Version: 1  
Expire Date:  
Comments:

Title 802.4 MAC Sublayer Conformance Test System Test Case  
Reference Guide.

Organization: Corporation for Open Systems International Test  
Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031  
USA  
Issue Date: 01-MAR-88  
Issue: COS/TPD-88/008, Issue 1  
Comments:

ATS:1-5  
Protocol: MAC & PLS [ISO 8802/5]  
Medium Access Control and Physical Layer Signaling [ISO  
8802/5]  
GOSIP Version: 1  
Expire Date:  
Comments: No registered ATS

ATS:1-6  
Protocol: LLC-1  
Logical Link Control Type 1  
GOSIP Version: 1  
Expire Date:  
Comments:

## GOSIP REGISTERS, *Continued*

Title 802.2 LLC (Type 1) Abstract Test Suite Submission (extract from 802.3 10BASE5 Layer 2 Test System Results Analysis Guide - LLC Sublayer).

Organization: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax, VA 22031

Issue Date: 01-AUG-90

Issue: Issue 1

Comments:

ATS:1-7

Protocol: CLNP{ES}

Connectionless Network Protocol, End System

GOSIP Version: 1

Expire Date:

Comments:

Title Internet Protocol Tests and Testing Guide for ISO 8473  
Connectionless Network Protocol Implementations.

Organization: National Computing Centre Limited

Oxford Road

Manchester M17ED

United Kingdom

Issue Date: 01-JUL-90

Issue: NCC/TPD-90/003, Issue 2

Comments:

ATS:1-7.1

Protocol: CLNP{IS}

Connectionless Network Protocol, Intermediate System

GOSIP Version: 1

Expire Date:

Comments:

Title Interim Abstract Test Suite for CLNP Intermediate Systems  
Testing.

Organization: National Institute of Standards and Technology (NIST)

Building 225, Room B151

Gaithersburg, MD 20899

Issue Date: 30-OCT-90

Issue:

Comments:

ATS:1-8

Protocol: TP0

Transport Protocol Class 0

GOSIP Version: 1

Expire Date:

Comments:

Title ISO/OSI Transport Class 0 CTS-WAN Abstract Test Suite

Organization: National Computing Centre Limited

Oxford Road

Manchester M17ED

United Kingdom

Issue Date: 13-OCT-88

Issue: CTS-WAN/T&S/ABS/TR0/CS/1.0, Rev 2.1

Comments:

ATS:1-9

Protocol: TP4

Transport Protocol Class 4

GOSIP Version: 1

Expire Date:

Comments:

Title Transport Class 4 Tests and Testing Guide for ISO 8073  
Transport Class 4 Implementations.

Organization: National Computing Centre Limited

Oxford Road

Manchester M17ED

United Kingdom

Issue Date: 01-JUL-90

Issue: NCC/TPD - 90/002, Issue 2

Comments:

ATS:2-1

Protocol: HDLC LAP-B

High Level Data Link Control, Logical Access Procedure B

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title Information Technology-Telecommunications and  
Information Exchange Between Systems- X.25 DTE  
Conformance Testing- Part 2: Data Link Layer  
Conformance Test Suite

Organization: ISO/IEC JTC1/SC6

USA

Issue Date: 20-JAN-92

Issue: ISO/IEC 8882-2:1992(E), First Edition

Comments:

Title Defect Report to ISO/IEC 8882-2: 1992

Organization: ISO/IEC JTC1/SC6

USA

Issue Date: 30-MAR-92

Issue: X3S3.4/92-54

Comments:



# GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for X.25

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/x25-isd/x25.w51

ATS:2-10.1

Protocol: Session  
Session

GOSIP Version: 2

Expire Date: 01-FEB-94

Comments: Superseded by ATS:2-10.2

Title Session Abstract Test Suite, Volumes 1, 2, and 3

Organization: CTS-WAN  
USA

Issue Date: 01-SEP-88

Issue: CTS/WAN/T&S/ABS/SES/CS/1.0

Comments:

Title Session CTS-WAN Abstract Test Suite, CTS2 Extension

Organization: Alcatel TITN Incorporated  
7011 Koll Center Parkway, Suite 200  
Pleasanton, CA 94566-3101

Issue Date: 19-MAR-91

Issue: Version 2.0

Comments:

Title Abstract Test Suite Addendum for Session

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/atsaddenda/session/sess-01.w51

ATS:2-10.2

Protocol: Session  
Session

GOSIP Version: 2

Expire Date:

Comments:

Title Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/T&S/ABS/SES/CS/2.1

Comments:

ATS:2-13.1

Protocol: MHS-84 Session  
Message Handling System - 1984, Session Protocol

GOSIP Version: 2

Expire Date: 01-FEB-94

Comments: This ATS has been superseded by ATS:2-13.5; defects exist

Title Abstract Session Test Suite DSE MHS

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 18-JAN-89

Issue: OSTC/MHS/ABS/SES/DSE/3.0, Version 3.0

Comments:

Title Abstract Test Suit Addendum for MHS-84

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/mhs-84/mhs84-01.w51

ATS:2-13.2

Protocol: MHS-84{RTS}  
Message Handling System - 1984, Reliable Transfer Service Profile

GOSIP Version: 2

Expire Date:

Comments:

Title MHS RTS Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JUL-91

Issue: OSTC/MHS/ABS/RTS/2.0

Comments:

## GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/mhs-84/mhs84-02.w51

ATS:2-13.3

Protocol: MHS-84{P1}  
Message Handling System - 1984, P1 Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title MHS Abstract Test Suite, P1 Protocol A/311 and A/3211

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 28-SEP-90

Issue: OSTC/MHS/ABS/P1/2.0

Comments:

Title Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/mhs-84/mhs84-03.w51

ATS:2-13.4

Protocol: MHS-84{P2}  
Message Handling System - 1984, P2 Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title MHS Abstract Test Suite, P2

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-SEP-92

Issue: OSTC/MHS/ABS/P2/2.0

Comments:

Title Abstract Test Suite Addendum for MHS-84

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca, AZ 85613-7020

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/mhs-84/mhs84-04.w51

ATS:2-13.5

Protocol: MHS-84 Session  
Message Handling System - 1984, Session Protocol

GOSIP Version: 2

Expire Date:

Comments: This ATS supersedes ATS:2-13.1

Title ANNEX A - MHS '84 SPECIFIC PART

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: This document is Annex A of document 2.

Title Common Abstract Test Suite for the Session Protocol

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: Merge this common part with Annex A to form the full  
MHS-84 test suite.

ATS:2-16.1

Protocol: FTAM{T1}  
File Transfer, Access, and Management; Simple File  
Transfer Profile

GOSIP Version: 2

Expire Date:

Comments:



## GOSIP REGISTERS, *Continued*

Title T1-A/111, Volume 1 (Responder Tests) and Volume 2  
(Initiator Tests)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JAN-88

Issue: CTS-WAN/FTAM/ABS/FTAM-A111/1.0

Comments:

ATS:2-16.10

Protocol: FTAM Presentation  
File Transfer, Access, and Management; Presentation  
Protocol

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Presentation Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 11-JAN-91

Issue: OSTC/FTAM/ABS/FTAM/PRES/5.1

Comments:

ATS:2-16.11

Protocol: FTAM Presentation ASN.1  
File Transfer, Access, and Management; Presentation  
Abstract

Syntax Notation One

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Presentation ASN.1 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 13-NOV-91

Issue: OSTC/FTAM/ABS/FTAM/PRES/ASN.1/BER/2.4

Comments:

ATS:2-16.12

Protocol: FTAM Session  
File Transfer, Access, and Management; Session Protocol

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 17-SEP-91

Issue: OSTC/FTAM/ABS/FTAM/SES

Comments:

ATS:2-16.13

Protocol: FTAM Session R&R  
File Transfer, Access, and Management; Session Restart  
and Recovery

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM Session Restart and Recovery Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM/SES/R&R

Comments:

ATS:2-16.2

Protocol: FTAM{T1}  
File Transfer, Access, and Management; Simple File  
Transfer Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/111 (T1) Responder ATS and FTAM A/111 (T1)  
Initiator ATS

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-APR-91

Issue: CTS-WAN/FTAM/ABS/FTAM-A111/2.0, Version 2.0,  
Volumes 1 and 2

Comments:

ATS:2-16.3

Protocol: FTAM{R&R}  
File Transfer, Access, and Management; Restart and  
Recovery Profile

GOSIP Version: 2

Expire Date:

Comments:

## GOSIP REGISTERS, *Continued*

Title FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date:

Issue: OSTC/FTAM/ABS/FTAM-A111 R&R/1.0

Comments:

ATS:2-16.4

Protocol: FTAM{R&R}

File Transfer, Access, and Management; Restart and

Recovery

Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/111 Restart and Recovery, Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 29-OCT-91

Issue: OSTC/FTAM/ABS/FTAM-A111 R&R/2.0

Comments:

ATS:2-16.5

Protocol: FTAM{M1}

File Transfer, Access, and Management; Management Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/13 ATS

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JAN-90

Issue: FTAM/ABS/FTAM-A13/1.0

Comments:

ATS:2-16.6

Protocol: FTAM{M1}

File Transfer, Access, and Management; Management Profile

GOSIP Version: 2

Expire Date:

Comments:

Title FTAM A/13 ATS, Version 2.0

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-AUG-91

Issue: FTAM/ABS/FTAM/A13/2.0

Comments:

ATS:2-16.7

Protocol: FTAM{T2}

File Transfer, Access, and Management; Positional File  
Transfer Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title FTAM A/112 Abstract Test Suite, Volume 1 (A/112  
Responder) and Volume 2 (A/112 Initiator)

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM-A/112

Comments:

Title Abstract Test Suite Addendum for FTAM

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/ftam/ftam-07.w51

ATS:2-16.8

Protocol: FTAM{A1}

File Transfer, Access, and Management; Simple File  
Access Profile

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title FTAM A/122 Responder Abstract Test Suite (Volume 1) and  
FTAM A/122 Initiator Abstract Test Suite (Volume 2)

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-JAN-92

Issue: OSTC/FTAM/ABS/FTAM-A/122

Comments:



## GOSIP REGISTERS, *Continued*

Title      Abstract Test Suite Addendum for FTAM

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca                      AZ 85613-7020  
USA

Issue Date:

Issue:      Quarterly

Comments:      anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/ftam/ftam-08.w51

ATS:2-16.9

Protocol:      FTAM ACSE

File Transfer, Access, and Management; Association  
Control Service Element

GOSIP Version: 2

Expire Date:

Comments:      ATS Consists of a common part and a specific annex.

Title      MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date:      05-SEP-91

Issue:      OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments:      Without OSTC cover, document is identified as  
CTS2-ACSE V2.02

Title      FTAM ACSE Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date:      01-JAN-92

Issue:      OSTC/FTAM/ABS/FTAM/ACSE

Comments:      This document is Annex D of Document 1. Without  
OSTC cover, document is identified as ACSE\_CTS2\_FTAM.

ATS:2-17

Protocol:      VT

Virtual Terminal

GOSIP Version: 2

Expire Date:

Comments:      No registered ATS.

ATS:2-18

Protocol:      ES-IS{ES}

End System to Intermediate System in End System

GOSIP Version: 2

Expire Date:

Comments:      Defects exist

Title      ES/IS in ES Abstract Test Suite

Organization: Alcatel TITN Answare

Aix-en-Provence  
France

Issue Date:      01-MAY-93

Issue:      Version 1.1

Comments:

Title      Abstract Test Suite Addendum for End System to  
Intermediate System

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca                      AZ 85613-7020  
USA

Issue Date:

Issue:      Quarterly

Comments:      anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/atsaddenda/lan-esis/ats/esis

ATS:2-18.A

Protocol:      ES-IS{ES}

End System to Intermediate System in End System

GOSIP Version: 2

Expire Date:

Comments:      JITC deficiencies noted against ATS:2-18.

Title      ES/IS in ES Abstract Test Suite Addendum

Organization: Joint Interoperability Test Center

ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca                      AZ 85613-7020  
USA

Issue Date:      01-MAR-94

Issue:      Version 1

Comments:

ATS:2-19

Protocol:      CONS

Connection Oriented Network Service

GOSIP Version: 2

Expire Date:

Comments:      No registered ATS.

ATS:2-1A

Protocol:      HDLC LAP-B

High Level Data Link Control, Logical Access Procedure B

GOSIP Version: 2

Expire Date:

Comments:      This ATS consists of ATS:2-1 as modified by the  
documents below.

ATS:2-2

Protocol:      X.25 PLP

X.25 Packet Layer Protocol

GOSIP Version: 2

Expire Date:

Comments:      Defects exist

## GOSIP REGISTERS, *Continued*

Title Information Technology-Telecommunications and  
Information Exchange Between Systems-X.25-DTE Conformance  
Testing-Part 3: Packet Layer Conformance Test Suite  
Organization: ISO/IEC JTC1/SC2/WG2  
USA  
Issue Date: 16-JAN-91  
Issue: ISO/IEC 8882-3:1991(E), First Edition  
Comments:

Title Defect Report to ISO/IEC 8882-3:1991  
Organization: ISO/IEC JTC1/SC2/WG2  
USA  
Issue Date: 01-MAR-92  
Issue: X3S3.7/92-49  
Comments:

Title Abstract Test Suite Addendum for X.25  
Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA  
Issue Date:  
Issue: Quarterly  
Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/x25.isdn/x25.w51  
  
ATS:2-20  
  
Protocol: TP2  
Transport Protocol Class 2  
  
GOSIP Version: 2  
Expire Date:  
Comments: A revised version of this ATS is registered as  
ATS:2-20A; defects exist

Title OSTC Abstract Test Suite, Transport Class 2  
Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium  
Issue Date: 31-JAN-91  
Issue: OSTC/T&S/ABS/TR2/CS/2.0  
Comments:

Title Abstract Test Suite Addendum for Transport  
Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA  
Issue Date:  
Issue: Quarterly  
Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/transprt/tp2-  
jars.w51  
ATS:2-20A  
Protocol: TP2  
Transport Protocol Class 2  
GOSIP Version: 2  
Expire Date:  
Comments: Minor revisions of ATS:2-20

Title OSTC Abstract Test Suite, Transport Class 2  
Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium  
Issue Date:  
Issue: OSTC/T&S/ABS/TR2/CS/2.1  
Comments:  
  
ATS:2-21.1  
Protocol: HDLC LAP-D  
High Level Data Link Control, Logical Access Procedure D  
GOSIP Version: 2  
Expire Date:  
Comments: Used in ISDN D Channel layer 2.

Title Integrated Services Digital Network Conformance Testing;  
Layer 2 - Data Link Layer (LAPD); Part 1 - Basic Rate  
Interface, User Side  
Organization: National Institute of Standards and Technology (NIST)  
Issue Date: 01-SEP-93  
Issue: NIST Special Publication 823-4  
Comments: This publication describes the LAP-D ATS for ISDN D  
Channel Layer 2 as developed and approved by the ISDN  
Conformance Testing (ICOT) Working Group of the NIUF

ATS:2-2A  
Protocol: X.25 PLP  
X.25 Packet Layer Protocol  
GOSIP Version: 2  
Expire Date:  
Comments: This ATS consists of ATS:2-2 as modified by the  
documents below.  
  
ATS:2-3  
Protocol: MAC & PLS [ISO 8802/3]  
Medium Access Control and Physical Layer Signaling [ISO  
8802/3]  
GOSIP Version: 2  
Expire Date:  
Comments: Incorporates four test suites submitted by Corporation  
for Open Systems (COS) International in October 1989



## GOSIP REGISTERS, *Continued*

Title 802.3 Draft Abstract Test Suite for GOSIP Version 1

Organization: National Institute of Standards and Technology (NIST)  
Building 225, Room B151  
Gaithersburg MD 20899  
USA

Issue Date: 01-AUG-90

Issue:

Comments:

ATS:2-4

Protocol: MAC & PLS [ISO 8802/4]  
Medium Access Control and Physical Layer Signaling [ISO 8802/4]

GOSIP Version: 2

Expire Date:

Comments:

Title 802.4 MAC Sublayer Conformance Test System Test Case Reference Guide

Organization: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax VA 22031  
USA

Issue Date: 01-MAR-88

Issue: COS/TPD-88/008, Issue 1

Comments:

ATS:2-5

Protocol: MAC & PLS [ISO 8802/5]  
Medium Access Control and Physical Layer Signaling [ISO 8802/5]

GOSIP Version: 2

Expire Date:

Comments: No Registered ATS

ATS:2-6

Protocol: LLC-1  
Logical Link Control Type 1

GOSIP Version: 2

Expire Date:

Comments:

Title 802.2 LLC (Type 1) Abstract Test Suite Submission (extract from 802.3 10BASE5 Layer 2 Test System Results Analysis Guide - LLC Sublayer)

Organization: Corporation for Open Systems International Test Center  
8260 Willow Oaks Corp Drive, Suite 700  
Fairfax VA 22031  
USA

Issue Date: 01-AUG-90

Issue: Issue 1

Comments:

ATS:2-7

Protocol: CLNP{ES}  
Connectionless Network Protocol, End System

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title Internet Protocol Tests and Testing Guide for ISO 8473 Connectionless Network Protocol Implementations

Organization: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom

Issue Date: 01-JUL-90

Issue: NCC/TPD-90/003, Issue 2

Comments:

Title Abstract Test Suite Addendum for Connectionless Network Protocol (ES)

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/atsaddenda/lan-esis/ats/cenp

ATS:2-7.1

Protocol: CLNP{IS}  
Connectionless Network Protocol, Intermediate System

GOSIP Version: 2

Expire Date:

Comments: Defects exist

Title Interim Abstract Test Suite for CLNP Intermediate Systems Testing

Organization: National Institute of Standards and Technology (NIST)

Building 225, Room B151  
Gaithersburg MD 20899  
USA

Issue Date: 30-OCT-90

Issue:

Comments:

Title Abstract Test Suite Addendum for Connectionless Network Protocol (IS)

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/atsaddenda/lan-esis/ats/cenp

ATS:2-8

Protocol: TP0  
Transport Protocol Class 0

GOSIP Version: 2

Expire Date:

Comments: A revised version of this ATS is registered as  
ATS:2-8A; defects exist

## GOSIP REGISTERS, *Continued*

Title OSTC Abstract Test Suite, Transport Class 0

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 31-JAN-91

Issue: OSTC/T&S/ABS/TR0/CS/2.0

Comments:

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transport/tpo-jars.w51

ATS:2-8A

Protocol: TP0

Transport Protocol Class 0

GOSIP Version: 2

Expire Date:

Comments: Minor revision of ATS 2-8

Title OSTC Abstract Test Suite, Transport Class 0

Organization: Open Systems Testing Consortium Secretariat

Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date:

Issue: OSTC/T&S/ABS/TRO/CS/2.1

Comments:

ATS:2-9.1

Protocol: TP4-CLNS

Transport Protocol Class 4 Over Connectionless Network Service

GOSIP Version: 2

Expire Date:

Comments: New ATS under development by EWOS; defects exist

Title Transport Class 4 over CLNS Abstract Test Suite

Organization: Alcatel TITN Answare  
Aix-en-Provence  
France

Issue Date: 07-MAY-92

Issue: Version 2.2

Comments:

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transport/t4l-jars.w51

ATS:2-9.2

Protocol: TP4

Transport Protocol Class 4

GOSIP Version: 2

Expire Date:

Comments: New ATS under development by EWOS; defects exist

Title Transport Class 4 Tests and Testing Guide for ISO 8073  
Transport Class 4 Implementations

Organization: National Computing Centre Limited  
Oxford Road  
Manchester M17ED  
United Kingdom

Issue Date: 01-MAY-92

Issue: ISG-DEV-008-10-004, Issue 5

Comments:

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transport/tp4-jars.w51

ATS:2-9.3

Protocol: TP4-CONS

Transport Protocol Class 4 Over Connection Oriented  
Network Service

GOSIP Version: 2

Expire Date:

Comments: New ATS under development by EWOS; defects exist

Title Transport Class 4 over CONS Abstract Test Suite

Organization: Alcatel TITN Answare  
Aix-en-Provence  
France

Issue Date: 30-SEP-91

Issue: Version 2.0

Comments:



# GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum for Transport

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/transprt/t4o-jars.w51

ATS:3-22.1.1

Protocol: MHS-88 Session

Message Handling System - 1988, Session

GOSIP Version: 3

Expire Date: 01-FEB-94

Title MHS-88 DSE Session ATS

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 20-DEC-90

Issue: MHS-88/ABS/SES/DSE/1.0

Comments:

ATS:3-22.1.2

Protocol: MHS-88 Session

Message Handling System - 1988, Session

GOSIP Version: 3

Expire Date:

Comments: Supersedes ATS:3-22.1.1; defects exists

Title ANNEX B - MHS '88 SPECIFIC PART

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: This document is Annex B of document 2.

Title Common Abstract Test Suite for the Session Protocol

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 03-NOV-92

Issue: 2.0

Comments: Merge this common part with Annex B to form the full MHS-88 test suite.

Title Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet Address]; directory: public/addenda.ats/mhs-88/mhs88-02.w51

ATS:3-22.2.1

Protocol: MHS-88 {PRES-MH}

Message Handling System - 1988, Presentation - MH

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 Presentation Abstract Test Suite MH (88) Part

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 20-DEC-91

Issue: OSTC/MHS-88/ABS/PRES/MH/1.0

Comments: This document is Annex A of document 2. Without OSTC cover, document is identified as CTS2/XMHS/MH/PRES/ATS/V3.1

Title MHS '88 Presentation - Common Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 20-DEC-91

Issue: OSTC/MHS-88/ABS/PRES/ALL/1.0

Comments: Without OSTC cover, document is identified as CTS2/XMHS/ALL/ PRES/ATS/V4.0 CTS2\_XX\_PRES

ATS:3-22.3.1

Protocol: MHS-88 {ACSE-MH}

Message Handling System -1988, Association Control Service Element - MH

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite MH

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 04-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/MH/1.0

Comments: This is Annex C of Document 2. Without OSTC cover, document is identified as ACSE\_ATS\_MHS\_SPECIFIC\_PART V2.03.

## GOSIP REGISTERS, *Continued*

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as  
CTS2-ACSE V2.02

ATS:3-22.3.2

Protocol: MHS-88 {ACSE-P3-UA}

Message Handling System - 1988, Association Control  
Service Element-P3-UA

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P3-UA

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B4 of Document 2. Without OSTC cover,  
document is identified as ACSE\_ATS\_RA\_SPECIFIC\_PART  
P3-UA V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as  
CTS2-ACSE V2.02

ATS:3-22.3.3

Protocol: MHS-88 {ACSE-P3-MTA}

Message Handling System - 1988, Association Control  
Service Element-P3-MTA

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P3-MTA

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B5 of Document 2. Without OSTC cover,  
document is identified as ACSE\_ATS\_RA\_SPECIFIC\_PART  
P3-MTA V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as  
CTS2-ACSE V2.02

ATS:3-22.3.4

Protocol: MHS-88 {ACSE-P3-MS}

Message Handling System - 1988, Association Control  
Service Element-P3-MS

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P3-MS

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B3 of Document 2. Without OSTC cover,  
document is identified as ACSE\_ATS\_RA\_SPECIFIC PART  
P3-MS V2.03

Title MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as  
CTS2-ACSE V2.02

ATS:3-22.3.5

Protocol: MHS-88 {ACSE-P7-UA}

Message Handling System - 1988, Association Control  
Service Element-P7-UA

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title MHS '88 ACSE Abstract Test Suite P7-UA

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B2 of Document 2. Without OSTC cover,  
document is identified as ACSE\_ATS\_RA\_SPECIFIC\_PART  
P7-UA V2.03



## GOSIP REGISTERS, *Continued*

Title      MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as  
CTS2-ACSE V2.02  
ATS:3-22.3.6

Protocol: MHS-88 {ACSE-P7-MS}  
Message Handling System - 1988, Association Control  
Service Element-P7-MS

GOSIP Version: 3

Expire Date:

Comments: ATS consists of a specific annex and a common part.

Title      MHS '88 ACSE Abstract Test Suite P7-MS

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-DEC-91

Issue: OSTC/MHS-88/ABS/ACSE/RA/1.0

Comments: This is Annex B1 of Document 2. Without OSTC cover,  
document is identified as ACSE\_ATS\_RA\_SPECIFIC\_PART  
P7-MS V2.03

Title      MHS '88 ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 05-SEP-91

Issue: OSTC/MHS-88/ABS/ACSE/ALL/1.0

Comments: Without OSTC cover, document is identified as  
CTS2-ACSE V2.02

ATS:3-22.4

Protocol: MHS-88 {RTSE}  
Message Handling System - 1988, Reliable Transfer  
Service Element

GOSIP Version: 3

Expire Date:

Comments: Defects exist

Title      MHS '88 RTSE Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 15-OCT-91

Issue: OSTC/MHS-88/ABS/RTSE/1.0

Comments: Without OSTC cover, document is identified as  
CTS2/XMHS/MH/RTSE/ATS/V6.0

Title      Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca                      AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/mhs-88/mhs88-14.w51

ATS:3-22.5

Protocol: MHS-88 {P1}  
Message Handling System - 1988, P1 Profile

GOSIP Version: 3

Expire Date:

Comments: Defects exist

Title      MHS '88 P1 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 08-JAN-92

Issue: OSTC/MHS-88/ABS/P1/1.0

Comments: Without OSTC cover, document is identified as  
CTS2/XMHS/MH/P1/ATS/V2.5.

Title      Abstract Test Suite Addendum for MHS-88

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca                      AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory:  
public/addenda.ats/mhs-88/mhs88-15.w51

ATS:3-22.6

Protocol: MHS-88 {P2}  
Message Handling System - 1988, P2 Profile

GOSIP Version: 3

Expire Date:

Comments: Defects exist

Title      MHS '88 P2 Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 26-MAY-91

Issue: OSTC/MHS-88/ABS/P2/1.0

Comments: Without OSTC cover, this document is identified as  
CTS2/XMHS/MH/P2/ATS/V3.2

## GOSIP REGISTERS, *Continued*

Title Abstract Test Suite Addendum fro MHS-88

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/addenda.ats/mhs-88/mhs88-16.w51

ATS:3-22.7.1

Protocol: MHS-88 {P3-UA}

Message Handling System - 1988, P3-UA Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P3-UA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 30-SEP-91

Issue: OSTC/MHS-88/ABS/P3-UA/1.0

Comments: Without OSTC cover, document is identified as  
CTS2/XMHS/RA/P3-UA/ATS/V4.0

ATS:3-22.7.2

Protocol: MHS-88 {P3-MTA}

Message Handling System - 1988, P3-MTA Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P3-MTA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 18-SEP-91

Issue: OSTC/MHS-88/ABS/P3-MTA/1.0

Comments: Without OSTC cover, document is identified as  
CTS2/XMHS/RA/P3-MTA/ATS/V4.0

ATS:3-22.8.1

Protocol: MHS-88 {P7-UA}

Message Handling System - 1988, P7-UA Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P7-UA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 18-SEP-91

Issue: OSTC/MHS-88/ABS/P7-UA/1.0

Comments: Without OSTC cover, document is identified as  
CTS2/XMHS/RA/P7-UA/ATS/V4.0

ATS:3-22.8.2

Protocol: MHS-88 {P7-MS}

Message Handling System - 1988, P7-MS Profile

GOSIP Version: 3

Expire Date:

Comments:

Title MHS '88 P7-MS Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 19-SEP-91

Issue: OSTC/MHS-88/ABS/P7-MS/1.0

Comments: Without OSTC cover, document is identified as  
CTS2/XMHS/RA/P7-MS/ATS/V4.0

ATS:3-23

Protocol: X.500

Directory Services

GOSIP Version: 3

Expire Date:

Comments: No Registered ATS. NIST plans to establish a  
conformance testing infrastructure for Directory Services by  
the end of 1993

ATS:3-23.1

Protocol: X.500-88 SESSION

X.500-88 Directory Services - Session

GOSIP Version: 3

Expire Date:

Comments: Refer to the ATS addendum for any applicable JARs

Title Session Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-SEP-91

Issue: OSTC/DS/ABS/SESS/1.01 (PUB: 216)

Comments: Without OSTC cover, document is identified as CTS2  
Version: 2.3 and Amendment 01.



## GOSIP REGISTERS, *Continued*

### Title      Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center  
 ATTN: TCDBA, Bldg. # 57305  
 Ft. Huachuca                      AZ 85613-7020  
 USA  
 Issue Date:  
 Issue:      Quarterly  
 Comments:    anonymous ftp to 138.27.7.2, password: [use Internet  
 Address]; directory: public/addenda.ats/x500-88/ds88-06

ATS:3-23.2.1  
 Protocol:    X.500-88 PRESENTATION DS  
               X.500-88 Directory Services - Presentation - DS  
 GOSIP Version: 3  
 Expire Date:  
 Comments:    ATS consists of a specific annex and a common part.  
               Refer to the ATS addendum for any applicable JARs. Defects exist.

### Title      Presentation Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat  
 Rue du Trone, 12  
 B-1050 Brussels  
 Belgium  
 Issue Date:    01-DEC-91  
 Issue:      OSTC/DS/ABS/PRES/1.01 (PUB: 215)  
 Comments:    Without OSTC cover, document is identified as CTS2  
               Version: 4.0 and Amendment 01.

### Title      Presentation Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
 Rue du Trone, 12  
 B-1050 Brussels  
 Belgium  
 Issue Date:  
 Issue:      OSTC/ALL/ABS/PRES/1.0  
 Comments:    Without OSTC cover, document is identified as CTS2  
               Version: 4.0

### Title      Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center  
 ATTN: TCDBA, Bldg. # 57305  
 Ft. Huachuca                      AZ 85613-7020  
 USA  
 Issue Date:  
 Issue:      Quarterly  
 Comments:    anonymous ftp to 138.27.7.2, password: [use Internet  
 Address]; directory: public/atsaddenda/X500-88/DS88-04

ATS:3-23.3.1  
 Protocol:    X.500-88 ACSE DS  
               X.500-88 Directory Services - ACSE - DS  
 GOSIP Version: 3  
 Expire Date:  
 Comments:    ATS consists of a specific annex and a common part.  
               Refer to the ATS addendum for any applicable JARs.

### Title      ACSE Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat  
 Rue du Trone, 12  
 B-1050 Brussels  
 Belgium  
 Issue Date:    01-DEC-91  
 Issue:      OSTC/DS/ABS/ACSE/1.0 (PUB: 300)  
 Comments:    Without OSTC cover, document is identified as CTS2  
               Version 2.03.

### Title      ACSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
 Rue du Trone, 12  
 B-1050 Brussels  
 Belgium  
 Issue Date:  
 Issue:      OSTC/ALL/ABS/ACSE/1.0  
 Comments:    Without OSTC cover, document is identified as CTS2  
               Version: 2.02

ATS:3-23.4.1  
 Protocol:    X.500-88 ROSE DS  
               X.500-88 Directory Services - ROSE - DS  
 GOSIP Version: 3  
 Expire Date:  
 Comments:    ATS consists of specific annex and common part.  
               Note that specific part does not contain any ATCs; however, the  
               DAP DUA/DSA ATSS do contain some ROSE test cases

### Title      ROSE Abstract Test Suite (Specific Part)

Organization: Open Systems Testing Consortium Secretariat  
 Rue du Trone, 12  
 B-1050 Brussels  
 Belgium  
 Issue Date:    01-SEP-90  
 Issue:      OSTC/DS/ABS/ROSE/1.0 (PUB: 211)  
 Comments:    Without OSTC cover, document is identified as CTS2  
               Version 2.0

### Title      ROSE Abstract Test Suite (Common Part)

Organization: Open Systems Testing Consortium Secretariat  
 Rue du Trone, 12  
 B-1050 Brussels  
 Belgium  
 Issue Date:    01-SEP-90  
 Issue:      OSTC/ALL/ABS/ROSE/1.0  
 Comments:    Without OSTC cover, document is identified as CTS2  
               Version: 2.0

ATS:3-23.5.1  
 Protocol:    X.500-88 DAP DSA  
               X.500-88 Directory Services - DAP DSA  
 GOSIP Version: 3  
 Expire Date:  
 Comments:    Refer to the ATS addendum for any applicable JARs;  
               defects exist

## GOSIP REGISTERS, *Continued*

### Title DAP/DSA Abstract Test Suite

Organization: Open Systems Testing Consortium Secretariat  
Rue du Trone, 12  
B-1050 Brussels  
Belgium

Issue Date: 01-NOV-92

Issue: OSTC/DS/ABS/DSA/1.01 (PUB: 209)

Comments: None

### Title Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/atsaddenda/X500-88/DS88-01

ATS:3-23.5.2

Protocol: X.500-88 DAP DUA  
X.500-88 Directory Services - DAP DUA

GOSIP Version: 3

Expire Date:

Comments: Refer to the ATS addendum for any applicable JARs;  
defects exist

### Title Abstract Test Suite Addendum for Directory Services-88

Organization: Joint Interoperability Test Center  
ATTN: TCDBA, Bldg. # 57305  
Ft. Huachuca AZ 85613-7020  
USA

Issue Date:

Issue: Quarterly

Comments: anonymous ftp to 138.27.7.2, password: [use Internet  
Address]; directory: public/atsadenda/X500-88/DS88-02

ATS:3-24-1

Protocol: MMS  
Manufacturing Message Specification

GOSIP Version: 2

Expire Date:

Comments:

### Title MMS Provider Test Specifications

Organization: Consortium for Communication Testing, c/o ACERLI  
5 Voie Verte  
92260 Fontenay-aux-Roses  
France

Issue Date: 20-MAR-92

Issue: MMS Provider, Ver 2.1

Comments:

ATS:3-24-2

Protocol: MMS  
Manufacturing Message Specification

GOSIP Version: 2

Expire Date:

Comments:

### Title MMS Server/Client Test Suite Structure and Test Purposes

Organization: Consortium for Communication Testing, c/o ACERLI  
5 Voie Verte  
92260 Fontenay-aux-Roses  
France

Issue Date: 10-DEC-92

Issue: MMS Server/Client, Ver. 1.2

Comments:

ATS:3-25

Protocol: X.500-93 DS  
X.500-93 Directory Services

GOSIP Version: 3

Expire Date:

Comments: No Registered ATS. NIST plans to establish a  
conformance testing infrastructure for X.500-93 as soon as  
ATSS are available.





## **6. NIST POSIX CONFORMANCE TESTING**

### **6.1 FIPS POSIX Standard**

The National Institute of Standards and Technology through its Computer Systems Laboratory (NIST/CSL) has established a conformance testing program for the Federal Information Standard for POSIX (FIPS 151-1 and FIPS 151-2). FIPS 151-2 replaced FIPS 151-1 in its entirety on October 15, 1993. These standards are based on the IEEE POSIX Std. 1003.1-1988 (FIPS 151-1) and ISO/IEC 9945-1:1990 (FIPS 151-2). The testing model includes a Certification Authority, NVLAP Accredited Testing Laboratories, Clients and the official NIST POSIX Conformance Test Suites. The Certification Authority is the Director of NIST/CSL. The National Voluntary Laboratory Accreditation Program (NVLAP), part of NIST, accredits the testing laboratories. The test suites NIST-PCTS:151-1 and NIST-PCTS:151-2 were developed by NIST/CSL and are based on the test assertions specified by the IEEE Standard for Information Technology — Test Methods for Measuring Conformance to POSIX, IEEE Std. 1003.3-1991 (NIST-PCTS:151-1) and the IEEE Standard for Information Technology — Test Methods for Measuring conformance to POSIX.1, IEEE Std 2003.1-1992 (NIST-PCTS:151-2).

### **6.2 POSIX Test Procedures**

There are Accredited POSIX Testing Laboratories (APTLs) accredited by NVLAP for using one or both test suites. NVLAP accreditation is renewable after one year, and identifies the specific testing procedures which the lab is authorized to run. The labs provide testing and analysis services to their clients and may forward the final test results to NIST/CSL for evaluation and subsequent issuance of a Certificate of Validation by NIST/CSL.

Testing policy documents and registers of validated products and accredited laboratories and available on an electronic mail (email) file server system. For most email systems, send an email message to [posix@nist.gov](mailto:posix@nist.gov) (mail [posix@nist.gov](mailto:posix@nist.gov)). The first line of the message should contain a command to send index (send index). After issuing the send command and a carriage return, end the email message. A listing of all of the available files will be returned via email to the requesting email address.

### **6.3 POSIX Test Suite**

The NIST-PCTS:151-2 is available from NIST/CSL, POSIX Certification Authority, Building 225 Room B266, National Institute of Standards and Technology, Gaithersburg, MD 20899.

### **6.4 Validation Requirements**

An accredited lab may submit a "clean" test report to NIST/CSL for evaluation in anticipation of a Certificate of Validation being issued. "Clean" implies no test assertion failures. The Certificate of Validation will confirm that the stated product has been tested using the official NIST-PCTS and that the test results have been validated by NIST/CSL. The Certificate of Validation and the Test Results Summary contain information on the product tested, the implementation that was tested, the suppliers, conditional features that were tested, configuration details and the identification of the testing laboratory. These certificates are issued by NIST/CSL through the testing lab. Fees for services by the testing labs are established by the labs.



## **6.5 TESTING LABORATORIES for NIST POSIX (FIPS 151-1)**

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

### **ACCREDITED NIST POSIX TESTING LABORATORIES**

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-1 (FIPS 151-1) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-1). Only accredited laboratories may submit test reports to NIST/CSL for validation.

#### **BULL S.A. / Laboratoire POSIX**

1 rue de Provence / BP208  
38432 ECHIROLLES CEDEX (France)

Contact: Mr. Georges Chardon

Phone: (33) 76 39 75 93

#### **DataFocus Incorporated**

12450 Fair Lakes Circle, Suite 400  
Fairfax, VA 22033-3831

Contact: Mr. Glen McPherson

Phone: 703-631-6770

#### **Mindcraft, Inc.**

410 Cambridge Avenue  
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner

Phone: 415-323-9000

#### **PERENNIAL**

4699 Old Ironsides Drive, Suite 210  
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist

Phone: 408-748-2900

## 6.6 VALIDATED PRODUCTS for NIST POSIX (FIPS 151-1)

### NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-1) for the Federal Information Processing Standards Publication 151-1 (FIPS PUB 151-1). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

<u>PRODUCT SUPPLIERS</u>	<u>REFERENCE FILE #</u>	<u>SYSTEM SUPPLIERS</u>	<u>REFERENCE FILE #</u>
Amdahl Corporation	AMD5598	AGI Computer, Inc.	EVR0901
Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165	Alpha Systems Lab	SUN3403
AT&T	ATT1566	Amdahl Corporation	AMD5598
BULL S.A.	BUL2387, BUL6051	Apple Computer Inc.	APP2482, APP3355, APP7204, APP7224, APP7235, APP8616, APP9125, APP9165
Control Data Corporation	CDC1101, CDC5574, CDC5750	AST Research, Inc.	SCO4102, UNV3055, UNV9180, USL2115, USL6259
CONVEX Computer Corporation	CON0202, CON2551, CON6027	AT&T	ATT1566, USL3610
Cray Research, Inc.	CRA2641	BULL S.A.	BUL2387, BUL6051
Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574	Compaq Computer Corporation	INT5154, LNX3076, SUN6859
Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7833, DEC7917, DEC8003, DEC9418, DEC9672	Control Data Corporation	CDC1101, CDC5574, CDC5750
Encore Computer Corporation	ENC6897	CONVEX Computer Corp.	CON0202, CON2551, CON6027
ESIX/Everex Systems, Inc.	EVR0901, EVR9749	Cray Research, Inc.	CRA2641
Harris Corporation	HAR5240	Data General Corporation	DGC2542, DGC4767, DGC8016, DGC8703, DGC9391, DGC9574, SCO6748
Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC0603, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185	Dell Computer Corporation	SUN1065
Interactive Systems Corp.	INT5154	Diamond Flower Incorporated	SCO3664, SCO8054
Intergraph Corporation	INT4675	Digital Equipment Corp.	DEC0319, DEC0638, DEC4670, DEC5794, DEC7386, DEC7833, DEC7917, DEC8003, DEC9418, DEC9672
International Business Machines, Inc.	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697	Encore Computer Corporation	ENC6897
Lynx Real-Time Systems, Inc.	LNX3076	ESIX/Everex Systems, Inc.	EVR9749
Modular Computer Systems, Inc.	MOD4817	Harris Corporation	HAR5240
Motorola Computer Group	MOT1086, MOT5618	Hewlett-Packard Company	HPC0115, HPC0303, HPC0535, HPC1581, HPC1992, HPC2540, HPC2698, HPC2952, HPC3574, HPC3760, HPC3897, HPC4246, HPC603, HPC6304, HPC6391, HPC6637, HPC6906, HPC7051, HPC7716, HPC8098, HPC9185
NCR Corporation	NCR0554, NCR1448, NCR2047, NCR2805, NCR3061, NCR3331, NCR4518, NCR5533, NCR7380, NCR7549	Intergraph Corporation	INT4675
NeXT Computer, Inc.	NXT0623	International Business Machines	IBM0320, IBM0458, IBM1344, IBM2592, IBM3697
Pyramid Technology Corporation	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863	Modular Computer Systems, Inc.	MOD4817
Santa Cruz Operation Inc.	SCO3664, SCO3832, SCO4102, SCO5199, SCO6748, SCO8054, SCO9875	Motorola Computer Group	MOT1086, MOT5618
Sequent Computer Systems Inc.	SEC8754	NCR Corporation	NCR0554, NCR1448, NCR2047, NCR2805, NCR3061, NCR3331, NCR4518, NCR5533, NCR7380, NCR7549
Silicon Graphics, Inc.	SGI5507, SGI9297	NeXT Computer, Inc.	NXT0623
Sun Microsystems Computer Corp.	SUN1065, SUN1442, SUN2031, SUN2727, SUN2930, SUN3272, SUN3402, SUN5684, SUN5782, SUN5970, SUN6602, SUN7188, SUN7793	Pyramid Technology Corp.	PYR1271, PYR3067, PYR3233, PYR4970, PYR9863
SunSoft, Inc.	SUN0617, SUN2241, SUN3129, SUN3403, SUN4529, SUN5382, SUN6635, SUN6859, SUN8720, SUN9763	RDI	SUN3402
Unisys Corporation	UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080	Sequent Computer Systems Inc.	SEC8754
Univel	UNV0528, UNV2014, UNV3055, UNV3978, UNV9180	Silicon Graphics, Inc.	SGI5507, SGI9297
UNIX System Laboratories	USL2115, USL3610, USL6259	Sun Microsystems Corp.,	SUN0617, SUN1442, SUN2031, SUN2241, SUN2727, SUN2930, SUN3129, SUN3272, SUN4529, SUN5382, SUN5684, SUN5782, SUN5970, SUN6602, SUN6635, SUN7188, SUN7793, SUN8720, SUN9763
		Unsys Corporation	SCO9875, UNI0505, UNI1798, UNI3690, UNI5711, UNI9063, UNI9080, UNV0528, UNV2014, UNV3978
		Zenith Data Systems	SCO3832, SCO5199



# NIST POSIX VALIDATED PRODUCTS, *Continued*

**Reference File #:** AMD5598

Product Supplier: Amdahl Corporation  
 Product Tested: UTS System Version: 4 Release: 1  
 System Supplier: Amdahl Corporation  
 System Hardware: 5995M Model: 4550  
 C Compiler: Amdahl C Version: 1.5 Release: June, 1993  
 PCTS: 151-1 Version: 1.1 - 05/21/92  
 APTL: 0342 Mindcraft, Inc. Date Issued: 07/23/93

**Reference File #:** APP2482

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991  
 System Supplier: Apple Computer Inc.  
 System Hardware: Macintosh Model: Ilfx  
 C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 1/13/1991  
 PCTS: 151-1 Version: 1.1 - 04/26/91  
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

**Reference File #:** APP3355

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992  
 System Supplier: Apple Computer Inc.  
 System Hardware: Macintosh Model: Quadra 700  
 C Compiler: A/UX native C compiler (cc) Ver: 1.23 Rel: Feb 9, 1992  
 PCTS: 151-1 Version: 1.1 - 01/22/92  
 APTL: 0342 Mindcraft, Inc. Date Issued: 04/16/92

**Reference File #:** APP7204

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 3.0.1 Release: April 23, 1993  
 System Supplier: Apple Computer Inc.  
 System Hardware: Workgroup Server Model: 80  
 C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: Apr 1, 1992  
 PCTS: 151-1 Version: 1.1 - 05/21/92  
 APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

**Reference File #:** APP7224

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992  
 System Supplier: Apple Computer Inc.  
 System Hardware: Macintosh Model: Quadra 950  
 C Compiler: A/UX native C compiler (cc) Ver: 1.23 Rel: Feb 9, 1992  
 PCTS: 151-1 Version: 1.1 - 01/22/92  
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/14/92

**Reference File #:** APP7235

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991  
 Supplier: Apple Computer Inc. Hardware: Macintosh Model: Ilci  
 C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 01/13/1991  
 PCTS: 151-1 Version: 1.1 - 04/26/91  
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

**Reference File #:** APP8616

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 2.0.1 Release: 01/30/1991  
 Supplier: Apple Computer Inc. Hardware: Macintosh Model: Ilci  
 C Compiler: A/UX native C compiler (cc) Ver: 1.21 Rel: 01/13/1991  
 PCTS: 151-1 Version: 1.1 - 04/26/91  
 APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

**Reference File #:** APP9125

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992  
 System Supplier: Apple Computer Inc.  
 System Hardware: Macintosh Model: Quadra 700  
 C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: April 1, 1992  
 PCTS: 151-1 Version: 1.1 - 05/21/92  
 APTL: 0342 Mindcraft, Inc. Date Issued: 08/11/92

**Reference File #:** APP9165

Product Supplier: Apple Computer Inc.  
 Product Tested: A/UX Version: 3.0 Release: March 9, 1992  
 System Supplier: Apple Computer Inc.  
 System Hardware: Macintosh Model: Quadra 950  
 C Compiler: A/UX Developer's Tools (c89) Ver: 1.1 Rel: Apr 1, 1992  
 PCTS: 151-1 Version: 1.1 - 05/21/92  
 APTL: 0342 Mindcraft, Inc. Date Issued: 08/11/92

**Reference File #:** ATT1566

Product Supplier: AT&T  
 Product Tested: AT&T UNIX System V Ver: Release 4 Rel: 4.0.3  
 System Supplier: AT&T  
 System Hardware: AT&T 3B2 R3 Series Model: 3B2/600 GR  
 C Compiler: AT&T 3B2/RISC C Development System Version: 1.0  
 PCTS: 151-1 Version: 1.1 - 09/11/91  
 APTL: 0343 DataFocus Incorporated Date Issued: 11/06/91

**Reference File #:** BUL2387

Product Supplier: BULL S.A.  
 Product Tested: BOS Version: 2 Release: 1  
 System Supplier: BULL S.A.  
 System Hardware: DPX/2 Model: 200  
 C Compiler: C Compiler Version: 72 Release: 1  
 PCTS: 151-1 Version: 1.1 - 05/21/92  
 APTL: 0373 BULL S.A./Laboratoire POSIX Date Issued: 2/24/93

**Reference File #:** BUL6051

Product Supplier: BULL S.A.  
 Product Tested: BOS/X Version: 3 Release: 2  
 System Supplier: BULL S.A.  
 System Hardware: DPX/20 Model: 620  
 C Compiler: BOS/X XLC C Compiler Version: 1 Release: 02  
 PCTS: 151-1 Version: 1.1 - 05/21/92  
 APTL: 0373 BULL S.A./Laboratoire POSIX Date Issued: 1/22/93

**Reference File #:** CDC1101

Product Supplier: Control Data Corporation  
 Product Tested: EP/IX Version: 1.4.2 Release: November 27, 1991  
 System Supplier: Control Data Corporation  
 System Hardware: Control Data 4000 Model: 4680MP  
 C Compiler: EP/IX C Language RISCCompiler V: C 2.11 Rel: July 1990  
 PCTS: 151-1 Version: 1.1 - 09/11/91  
 APTL: 0356 Applications Software Incorporated Date Issued: 1/29/92

**Reference File #:** CDC5574

Product Supplier: Control Data Corporation  
 Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991  
 System Supplier: Control Data Corporation  
 System Hardware: Control Data 4000 Model: 4330-250  
 C Compiler: EP/IX C Language RISCCompiler Version: 2.11 Release: July 1990  
 PCTS: 151-1 Version: 1.1 - 04/26/91  
 APTL: 0356 Applications Software Incorporated Date Issued: 05/24/91

**Reference File #:** CDC5750

Product Supplier: Control Data Corporation  
 Product Tested: EP/IX Version: 1.3.1 Release: 03/21/1991  
 System Supplier: Control Data Corporation  
 System Hardware: Control Data 4000 Model: 4680  
 C Compiler: EP/IX C Language RISCCompiler Version: 2.11 Release: 07/16/1990  
 PCTS: 151-1 Version: 1.1 - 04/26/91  
 APTL: 0356 Applications Software Incorporated Date Issued: 05/24/91



## NIST POSIX VALIDATED PRODUCTS, *Continued*

### Reference File #: CON0202

Product Supplier: CONVEX Computer Corporation  
Product Tested: ConvexOS Version: 10.1 Release: C200 Series  
System Supplier: CONVEX Computer Corporation  
System Hardware: C2 Model: C220  
C Compiler: CONVEX C Version: 4.3.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

### Reference File #: CON2551

Product Supplier: CONVEX Computer Corporation  
Product Tested: ConvexOS Version: 10.1 Release: C3800 Series  
System Supplier: CONVEX Computer Corporation  
System Hardware: C38 Model: C3810  
C Compiler: CONVEX C Version: 4.3.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

### Reference File #: CON6027

Product Supplier: CONVEX Computer Corporation  
Product Tested: ConvexOS Version: 10.1 Release: C3400 Series  
System Supplier: CONVEX Computer Corporation  
System Hardware: C34 Model: C3440  
C Compiler: CONVEX C Version: 4.3.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/11/92

### Reference File #: CRA2641

Product Supplier: Cray Research, Inc.  
Product Tested: UNICOS Version: 7.0.5.bu Release: 7.0  
System Supplier: Cray Research, Inc.  
System Hardware: Cray Y-MP Model: YMP2E/232-4  
C Compiler: Cray Standard C Compiler Release: 3.0.5 (5/20/93)  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 10/14/93

### Reference File #: DEC0319

Product Supplier: Digital Equipment Corporation  
Product Tested: DEC OSF/1 Version: 1.2 Release: March 1993  
System Supplier: Digital Equipment Corporation  
System Hardware: DEC/3000 Model: 500  
C Compiler: DEC OSF/1 for AXP C Compiler Version: 1 Release: March 1993  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 03/10/93

### Reference File #: DEC0638

Product Supplier: Digital Equipment Corporation  
Product Tested: VMS Version: 5 Release: 5 (with VMS POSIX, version 1.0)  
System Supplier: Digital Equipment Corporation  
System Hardware: VAXstation Model: 3100 M76  
C Compiler: VAX C Version: 3 Release: 2  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0343 DataFocus Incorporated Date Issued: 01/29/92

### Reference File #: DEC4670

Product Supplier: Digital Equipment Corporation  
Product Tested: The ULTRIX Operating System Version: 4.3A Release: July 1993  
System Supplier: Digital Equipment Corporation  
System Hardware: DECstation Model: 5000/150  
C Compiler: Mips C Compiler Version: 3.0  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

### Reference File #: DEC5794

Product Supplier: Digital Equipment Corporation  
Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991  
System Supplier: Digital Equipment Corporation  
System Hardware: VAXstation II Model: GPX  
C Compiler: pcc Version: 4.2  
PCTS: 151-1 Version: 1.1 - 04/26/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 06/17/91

### Reference File #: DEC7386

Product Supplier: Digital Equipment Corporation  
Product Tested: The ULTRIX Operating System Version: 4.3 Release: August 1992  
System Supplier: Digital Equipment Corporation  
System Hardware: DECstation Model: 5000/200  
C Compiler: Mips C Compiler Version: 2.10  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/18/92

### Reference File #: DEC7833

Product Supplier: Digital Equipment Corporation  
Product Tested: OpenVMS VAX Version: 6 Release: 0 (with OpenVMS VAX POSIX, Version X1.2-35E)  
System Supplier: Digital Equipment Corporation  
System Hardware: VAXstation Model: 3100 M76  
C Compiler: VAX C Version: 3 Release: 2  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 10/14/93

### Reference File #: DEC7917

Product Supplier: Digital Equipment Corporation  
Product Tested: the ULTRIX Operating System Version: 4.2A Release: November 18, 1991  
System Supplier: Digital Equipment Corporation  
System Hardware: DECstation Model: 3100  
C Compiler: MIPS C Compiler Version: 2.10  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/06/91

### Reference File #: DEC8003

Product Supplier: Digital Equipment Corporation  
Product Tested: The ULTRIX Operating System Version: 4.3A Release: July 1993  
System Supplier: Digital Equipment Corporation  
System Hardware: DECstation Model: 5000/260  
C Compiler: Mips C Compiler Version: 3.0  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 06/24/93

### Reference File #: DEC9418

Product Supplier: Digital Equipment Corporation  
Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991  
System Supplier: Digital Equipment Corporation  
System Hardware: DECstation Model: 3100  
C Compiler: MIPS C Compiler Version: 2.10  
PCTS: 151-1 Version: 1.1 - 04/26/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 06/17/91

### Reference File #: DEC9672

Product Supplier: Digital Equipment Corporation  
Product Tested: The ULTRIX Operating System Version: 4.2A Release: December 1991  
System Supplier: Digital Equipment Corporation  
System Hardware: DECstation Model: 5000/200  
C Compiler: MIPS C Compiler Version: 2.10  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 02/12/92



## NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: DGC2542

Product Supplier: Data General Corporation  
Product Tested: DG/UX Version: 5.4  
System Supplier: Data General Corporation  
System Hardware: AViion 5000 Model: AV/5240  
C Compiler: GNU C Compiler for AViION Systems Version: 1.37.23  
PCTS: 151-1 Version: 1.1 - 07/01/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC4767

Product Supplier: Data General Corporation  
Product Tested: DG/UX Version: 5.4.2 Release: August 1992  
System Supplier: Data General Corporation  
System Hardware: AViion AV/530/4600 Model: AV/532  
C Compiler: GNU C Compiler for AViION Systems Version: DG-2.2.3  
Release: August 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/09/92

Reference File #: DGC8016

Product Supplier: Data General Corporation  
Product Tested: DG/UX Version: 5.4  
System Supplier: Data General Corporation  
System Hardware: AViion 400/4000 Model: AV/4100  
C Compiler: GNU C Compiler for AViION Systems Version: 1.37.23  
PCTS: 151-1 Version: 1.1 - 07/01/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC8703

Product Supplier: Data General Corporation  
Product Tested: DG/UX Version: 5.4  
System Supplier: Data General Corporation  
System Hardware: AViion 400/4000 Model: AV/412  
C Compiler: GNU C Compiler for AViION Systems Version: 1.37.23  
PCTS: 151-1 Version: 1.1 - 07/01/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: DGC9391

Product Supplier: Data General Corporation  
Product Tested: DG/UX Version: 4.32  
System Supplier: Data General Corporation  
System Hardware: AViion AV/400/4000 Model: AV/410  
C Compiler: GNU C Compiler for AViion Sys Version: 1.37.23  
PCTS: 151-1 Version: 1.1 - 04/26/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

Reference File #: DGC9574

Product Supplier: Data General Corporation  
Product Tested: DG/UX Version: 5.4.2 Release: August 1992  
System Supplier: Data General Corporation  
System Hardware: AViion AV/8000 Model: AV/6240  
C Compiler: GNU C Compiler for AViION Systems Version: DG-2.2.3  
Release: August 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 11/03/92

Reference File #: ENC6897

Product Supplier: Encore Computer Corporation  
Product Tested: UMAX V Release: 3.0.6  
System Supplier: Encore Computer Corporation  
System Hardware: 91 Series Model: 91-02427  
C Compiler: Green Hills Software, Inc. C Release: 1.1  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0345 UniSoft Corporation Date Issued: 3/12/92

Reference File #: EVR0901

Product Supplier: ESIX/Everex Systems, Inc.  
Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0  
System Supplier: AGI Computer, Inc.  
System Hardware: AGI Model: 486/33  
C Compiler: ESIX ANSI C Compiler Version: 5.0  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: EVR9749

Product Supplier: ESIX/Everex Systems, Inc.  
Product Tested: ESIX System V Release 4 Version: 4 Release: 4.0  
System Supplier: ESIX/Everex Systems, Inc.  
System Hardware: Everex Model: 3000S 386/33  
C Compiler: ESIX ANSI C Compiler Version: 5.0  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: HAR5240

Product Supplier: Harris Corporation  
Product Tested: CX/UX Release: 5.3  
System Supplier: Harris Corporation, Computer Systems Division  
System Hardware: Night Hawk Model: HN4802  
C Compiler: Harris C Compiler Release: 5.3  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/16/91

Reference File #: HPC0115

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.02 Release: 10/06/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 867S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

Reference File #: HPC0303

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.02 Release: 10/06/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 867s  
C Compiler: HP C Compiler Version: A 08.17 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/09/92

Reference File #: HPC0535

Product Supplier: Hewlett-Packard Company  
Product Tested: Domain/OS Version: 10.4 Release: April 1992  
System Supplier: Hewlett-Packard Company  
System Hardware: Domain Series 4000 Model: DN4500  
C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/2/92

Reference File #: HPC0603

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 700 Model: 735  
C Compiler: HP C Compiler Version: HP92453-01 A.09.19 Release: December, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93



## NIST POSIX VALIDATED PRODUCTS, *Continued*

### Reference File #: HPC1581

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.02 Release: 10/06/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 827S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC1992

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.08 Release: 11/23/92  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 827S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC2540

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.07 Release: December 1991  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 700 Model: 720  
C Compiler: HP C Compiler Version: A 08.71 Release: Dec 1991  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 01/29/92

### Reference File #: HPC2698

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.02 Release: 10/06/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 817S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC2952

Product Supplier: Hewlett-Packard Company  
Product Tested: Domain/OS Version: 10.4 Release: April 1992  
System Supplier: Hewlett-Packard Company  
System Hardware: Domain Series 400 Model: 433S  
C Compiler: Domain/C Version: 6.9.M/MPX Release: May 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 09/2/92

### Reference File #: HPC3574

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 9.0 Release: October 7, 1992  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 400 Model: 433S  
C Compiler: HP C Compiler Version: B2371B.08.00 Internal Revision 70.2 Release: October 7, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

### Reference File #: HPC3760

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.02 Release: 10/06/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 847S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC3897

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 9.0 Release: October 7, 1992  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 847S  
C Compiler: HP C Compiler Version: A 09.19 Release: Oct 7, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

### Reference File #: HPC4246

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.08 Release: 11/23/92  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 807S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC6304

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 700 Model: 720  
C Compiler: HP C Compiler Ver: HP92453-01 A.09.19 Rel: Dec, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

### Reference File #: HPC6391

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.00 with PHCO\_0800 (Patch) Release: January 1991, January 1992 (Patch)  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 400 Model: 400S  
C Compiler: HP C Compiler Version: B 08.00 Release: Dec. 1991  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 04/17/92

### Reference File #: HPC6637

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.08 Release: 11/23/92  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 817S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC6906

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 9.01 Release: January 4, 1993  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 700 Model: 715  
C Compiler: HP C Compiler Ver: HP92453-01 A.09.19 Rel: Dec. 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 2/19/93

### Reference File #: HPC7051

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.08 Release: 11/23/92  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 867S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92



## NIST POSIX VALIDATED PRODUCTS, *Continued*

### Reference File #: HPC7716

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.08 Release: 11/23/92  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 847S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC8098

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8.02 Release: 10/06/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 807S  
C Compiler: HP C Compiler Version: A 08.71 Release: 10/06/91  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/08/92

### Reference File #: HPC9185

Product Supplier: Hewlett-Packard Company  
Product Tested: HP-UX Version: 8 Release: 5/6/91  
System Supplier: Hewlett-Packard Company  
System Hardware: HP9000 Series 800 Model: 835  
C Compiler: HP C Compiler Version: A 08.17 Release: 5/6/91  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0346 Hewlett-Packard POSIX Conformance Test Center Date Issued: 12/18/91

### Reference File #: IBM0320

Product Supplier: International Business Machines Inc.  
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2  
System Supplier: International Business Machines Inc.  
System Hardware: RISC System/6000 Model: 220  
C Compiler: xlc Version: 1 Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

### Reference File #: IBM0458

Product Supplier: International Business Machines Inc.  
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2  
System Supplier: International Business Machines Inc.  
System Hardware: RISC System/6000 Model: 530H  
C Compiler: xlc Version: 1 Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

### Reference File #: IBM1344

Product Supplier: International Business Machines Inc.  
Product Tested: AIX Version: 3 Release: 1  
System Supplier: International Business Machines Inc.  
System Hardware: RISC System/6000 Model: 320  
C Compiler: xlc Version: 3 Release: 1  
PCTS: 151-1 Version: 1.1 - 04/26/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

### Reference File #: IBM2592

Product Supplier: International Business Machines Inc.  
Product Tested: AIX Version: 3 Release: 1  
System Supplier: International Business Machines Inc.  
System Hardware: RISC System/6000 Model: 530  
C Compiler: xlc Version: 3 Release: 1  
PCTS: 151-1 Version: 1.1 - 04/26/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/24/91

### Reference File #: IBM3697

Product Supplier: International Business Machines Inc.  
Product Tested: AIX Version 3 for RISC System/6000 Version: 3 Release: 2  
System Supplier: International Business Machines Inc.  
System Hardware: RISC System/6000 Model: 320  
C Compiler: xlc Version: 1 Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 02/25/92

### Reference File #: INT4675

Product Supplier: Intergraph Corporation  
Product Tested: CLIX Version: 06.02.01 Release: 3.1  
System Supplier: Intergraph Corporation  
System Hardware: Intergraph 6400 Series Workstation Model: 6450  
C Compiler: CLIPPER Advanced Optimizing C Compiler Version: 06.00.01.43 Release: 28-JAN-1992  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

### Reference File #: INT5154

Product Supplier: Interactive Systems Corp.  
Product Tested: Interactive UNIX Operating System Version: 3.0 Release: 3.2  
System Supplier: Compaq Computer Corporation  
System Hardware: Compaq Model: System Pro  
C Compiler: Interactive UNIX Software Development System Ver: 3.0  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0345 UniSoft Corporation Date Issued: 10/16/91

### Reference File #: LNK3076

Product Supplier: Lynx Real-Time Systems, Inc.  
Product Tested: LynxOS Version: 2 Release: 2.2.0  
System Supplier: Compaq Computer Corporation  
System Hardware: ProLinea Model: 4/33  
C Compiler: gcc Version: 1.42 Release: September 19, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/14/93

### Reference File #: MOD4817

Product Supplier: Modular Computer Systems, Inc.  
Product Tested: REAL/IX Version: V.3 Release: D.0  
System Supplier: Modular Computer Systems, Inc.  
System Hardware: REAL/STAR Model: 1000  
C Compiler: GNU C Compiler for REAL/IX Systems Version: 1.37  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/05/92

### Reference File #: MOT1086

Product Supplier: Motorola Computer Group  
Product Tested: UNIX<sup>®</sup> System V/88 Release 4.0 Version: 3 Release: 4.0  
System Supplier: Motorola Computer Group  
System Hardware: Motorola Series 8000 Model: 8x40  
C Compiler: Software Development System Version: T302.0 Release: 12/2/92  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 2/19/93

### Reference File #: MOT5618

Product Supplier: Motorola Computer Group  
Product Tested: UNIX<sup>®</sup> System V/88 Release 4.0 Version: 3 Release: 4.0  
System Supplier: Motorola Computer Group  
System Hardware: Motorola Series 8000 Model: 8x20  
C Compiler: Software Development System Ver: T302.0 Rel: 12/2/92  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 2/19/93



## NIST POSIX VALIDATED PRODUCTS, *Continued*

**Reference File #: NCR0554**

Product Supplier: NCR Corporation  
Product Tested: NCR UNIX System V Ver: Release 4 Rel: 4.0.4  
System Supplier: NCR Corporation  
System Hardware: NCR 3B2 R3 Series Model: 3B2/1000 R3  
(Military ID: 3B2/600 GR)  
C Compiler: 3B2/RISC C Development System Release: 1.1  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 12/09/92

**Reference File #: NCR1448**

Product Supplier: NCR Corporation  
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2  
Version: SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3455  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

**Reference File #: NCR2047**

Product Supplier: NCR Corporation  
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:  
SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3447  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

**Reference File #: NCR2805**

Product Supplier: NCR Corporation  
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:  
SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3450  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

**Reference File #: NCR3061**

Product Supplier: NCR Corporation  
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2  
Version: SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3555  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

**Reference File #: NCR3331**

Product Supplier: NCR Corporation  
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:  
SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3345  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

**Reference File #: NCR4518**

Product Supplier: NCR Corporation  
Product Tested: NCR System V Release 4 MP-RAS, Rel 2 Version:  
SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3550  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus, Inc. Date Issued: 06/26/92

**Reference File #: NCR5533**

Product Supplier: NCR Corporation  
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2  
Version: SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3520  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

**Reference File #: NCR7380**

Product Supplier: NCR Corporation  
Product Tested: UNIX<sup>®</sup> System V Release 4.0 Version 3.1  
Version: 3.1 Release: 4.0  
System Supplier: NCR Corporation  
System Hardware: StarServer E Model: Release 3  
C Compiler: Optimized C Compiler Version: 5.0  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 03/10/93

**Reference File #: NCR7549**

Product Supplier: NCR Corporation  
Product Tested: NCR UNIX System V Release 4 MP-RAS, Rel 2  
Version: SVR4 Release: 2  
System Supplier: NCR Corporation  
System Hardware: System 3000 Model: 3525  
C Compiler: NCR C Development Toolkit Release: 2  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 10/08/93

**Reference File #: NXT0623**

Product Supplier: NeXT Computer, Inc.  
Product Tested: NEXTSTEP Version: 3.2 Release: November 5,  
1993 (with POSIX for NEXTSTEP version 1.0)  
System Supplier: NeXT Computer, Inc.  
System Hardware: NeXTstation Model: Color Turbo  
C Compiler: NEXTSTEP DEVELOPER Version: 3.2 Release:  
November 5, 1993  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/93

**Reference File #: PYR1271**

Product Supplier: Pyramid Technology Corporation  
Product Tested: OSx Version: 5.1a-92a023 Release: 0422s  
System Supplier: Pyramid Technology Corporation  
System Hardware: MIServer Model: MIS-2T  
C Compiler: att\_cc Version: 5.1  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

**Reference File #: PYR3067**

Product Supplier: Pyramid Technology Corporation  
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-  
92c027  
System Supplier: Pyramid Technology Corporation  
System Hardware: MIServer Model: 2S  
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 09/09/92

**Reference File #: PYR3233**

Product Supplier: Pyramid Technology Corporation  
Product Tested: DataCenter/OSx Version: dcosx Release: 1.1-  
92c027  
System Supplier: Pyramid Technology Corporation  
System Hardware: MIServer Model: 12S  
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 10/05/92



## NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: PYR4970

Product Supplier: Pyramid Technology Corporation  
Product Tested: DataCenter/OSx Version: dcosx Rel: 1.1-92c027  
System Supplier: Pyramid Technology Corporation  
System Hardware: MIServer Model: 4S  
C Compiler: DataCenter/OSx C Compiler Release: 1.1-92c027  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 09/09/92

Reference File #: PYR9863

Product Supplier: Pyramid Technology Corporation  
Product Tested: OSx Version: 5.1a Release: 0318t  
System Supplier: Pyramid Technology Corporation  
System Hardware: MIServer Model: MIS-4T  
C Compiler: att\_cc Version: 5.1  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0343 DataFocus Incorporated Date Issued: 05/28/92

Reference File #: SCO3664

Product Supplier: Santa Cruz Operation Inc.  
Product Tested: SCO Open Desktop Version: 2.0  
System Supplier: Diamond Flower Incorporated  
System Hardware: DFI Model: 486SX/25  
C Compiler: Microsoft C Version: 5.1  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 11/02/92

Reference File #: SCO3832

Product Supplier: Santa Cruz Operation Inc.  
Product Tested: SCO UNIX System V/386 Version: Release 3.2  
System Supplier: Zenith Data Systems  
System Hardware: Z Station Model: 433DEh  
C Compiler: Microsoft C Version: 5.1  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 09/28/92

Reference File #: SCO4102

Product Supplier: Santa Cruz Operation, Inc.  
Product Tested: SCO UNIX System V/386 Version: Release 3.2  
System Supplier: AST Research, Inc.  
System Hardware: Premium Series Model: 486/33  
C Compiler: Microsoft C Version: 5.1  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 07/01/92

Reference File #: SCO5199

Product Supplier: Santa Cruz Operation Inc.  
Product Tested: SCO UNIX System V/386 Version: 3.2  
System Supplier: Zenith Data Systems  
System Hardware: Zenith Data Systems Supersport Laptop Model: Supersport SX  
C Compiler: Microsoft C Version: 5.1  
PCTS: 151-1 Version: 1.1 - 07/01/91  
APTL: 0343 DataFocus Incorporated Date Issued: 09/17/91

Reference File #: SCO6748

Product Supplier: Santa Cruz Operation Inc.  
Product Tested: SCO UNIX System V/386 Version: 3.2 Release: 2  
System Supplier: Data General Corporation  
System Hardware: Walkabout/SX Model: G2763  
C Compiler: Microsoft C Optimizing Compiler Version: 5.1  
PCTS: 151-1 Version: 1.1 - 07/01/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/10/91

Reference File #: SCO8054

Product Supplier: Santa Cruz Operation Inc.  
Product Tested: SCO Open Desktop Version: 2.0  
System Supplier: Diamond Flower Incorporated  
System Hardware: DFI Model: 486/33  
C Compiler: Microsoft C Version: 5.1  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 11/02/92

Reference File #: SCO9875

Product Supplier: Santa Cruz Operation Inc.  
Product Tested: SCO UNIX System V/386 Version: 3.2  
System Supplier: UNISYS Corporation  
System Hardware: PW<sup>2</sup> Advantage 3000 Series Model: 3256  
C Compiler: Microsoft C Version: 5.1  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0343 DataFocus Incorporated Date Issued: 11/01/91

Reference File #: SEC8754

Product Supplier: Sequent Computer Systems Inc.  
Product Tested: DYNIX/ptx Operating System Version: 1.3.0  
System Supplier: Sequent Computer Systems Inc.  
System Hardware: Symmetry Series II Model: S27  
C Compiler: C Tools Version: 1.12p  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0345 UniSoft Corporation Date Issued: 12/09/91

Reference File #: SGI5507

Product Supplier: Silicon Graphics, Inc.  
Product Tested: IRIX Version: 4.0.5  
System Supplier: Silicon Graphics, Inc.  
System Hardware: IRIS Model: Crimson  
C Compiler: IRIS Development Option Version: 2.20  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 06/15/92

Reference File #: SGI9297

Product Supplier: Silicon Graphics, Inc.  
Product Tested: IRIX Version: 4.0.5  
System Supplier: Silicon Graphics, Inc.  
System Hardware: IRIS Model: Indigo  
C Compiler: IRIS Development Option Version: 2.20  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 06/15/92

Reference File #: SUN0617

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 1.0.1 Release: PC  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation IPC Model: GX  
C Compiler: Solaris C Compiler Version: 1.0.1 Release: Dec 4, 1991  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 08/27/92

Reference File #: SUN1065

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris 2.1 for x86 Version: 2.1 Release: May 1993  
System Supplier: Dell Computer Corporation  
System Hardware: 450 Model: DE  
C Compiler: ProCompiler C Version: 2.0.1 for x86 Rel: May 1993  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/20/93



## NIST POSIX VALIDATED PRODUCTS, *Continued*

### Reference File #: SUN1442

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.2 Release: May 28, 1993  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation LX Model: 4/30  
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

### Reference File #: SUN2031

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: August 4, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SunWorkstation 4/30 Model: 4/30  
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

### Reference File #: SUN2241

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 2.0 Release: June 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation 2 Model: 4/75  
C Compiler: Sun C Compiler Version: 2.0 Release: 20 May 1992  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 07/02/92

### Reference File #: SUN2727

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: December 7, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCserver 10 Model: 42  
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

### Reference File #: SUN2930

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.2 Release: May 28, 1993  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation 2 Model: 4/75  
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

### Reference File #: SUN3129

Product Supplier: SunSoft, Inc.  
Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2  
System Supplier: Compaq Computer Corporation  
System Hardware: Desk Pro Model: 386/20E  
C Compiler: Interactive Unix Software Development System Version: 3.0 Release: December 4, 1991  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0345 UniSoft Corporation Date Issued: 9/18/92

### Reference File #: SUN3272

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.2 Release: May 28, 1993  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCcenter 10 Model: 54  
C Compiler: Sun C Compiler Version: 2.0.1 Release: Oct. 3, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

### Reference File #: SUN3402

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: August 4, 1992  
System Supplier: RDI  
System Hardware: BriteLite Model: IPX Color Laptop Workstation  
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/16/92

### Reference File #: SUN3403

Product Supplier: SunSoft, Inc.  
Product Tested: Interactive Unix Operating System V/386 Version: 3.0.1 Release: 3.2  
System Supplier: Alpha Systems Lab  
System Hardware: ASL486/33 Model: ASL433  
C Compiler: Interactive Unix Software Development System Version: 3.0  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0345 UniSoft Corporation Date Issued: 10/05/92

### Reference File #: SUN4529

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 1.1 Version C Release: August 13, 1993  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCclassic Model: 4/15  
C Compiler: Solaris C Compiler Version: 1.1 Release: August 13, 1993  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/14/93

### Reference File #: SUN5382

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 1.0.1 Release: PC  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation IPX Model: GX  
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus Incorporated Date Issued: 09/02/92

### Reference File #: SUN5684

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: December 7, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCclassic Model: 4/15  
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 1/07/93

### Reference File #: SUN5782

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: August 4, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCserver 10 Model: 30  
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

### Reference File #: SUN5970

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: August 4, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCserver 10 Model: 41  
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92



## NIST POSIX VALIDATED PRODUCTS, *Continued*

### Reference File #: SUN6602

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.2 Release: May 28, 1993  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCcenter 2000 Model: 01  
C Compiler: Sun C Compiler Version: 2.0.1 Release: October 3, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/28/93

### Reference File #: SUN6635

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 1.0.1 Release: PC  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCserver 690 Model: 140  
C Compiler: Solaris C Compiler Version: 1.0.1 Release: December 4, 1991  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 02/19/92

### Reference File #: SUN6859

Product Supplier: SunSoft, Inc.  
Product Tested: INTERACTIVE UNIX Operating System V/386  
Version: 4.0 Release: 3.2  
System Supplier: Compaq Computer Corporation  
System Hardware: DeskPro Model: 66M  
C Compiler: INTERACTIVE Software Development System Version: 4.0  
Release: May 1993  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 07/15/93

### Reference File #: SUN7188

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 1.1 Release: August 24, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation 10 Model: GX-30  
C Compiler: Solaris C Compiler Version: 1.1 Release: August 24, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 08/27/92

### Reference File #: SUN7793

Product Supplier: Sun Microsystems Computer Corporation, Inc.  
Product Tested: Solaris Version: 2.1 Release: August 4, 1992  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCserver 10 Model: 42  
C Compiler: Sun C Compiler Version: 2.0 Release: June 30, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/92

### Reference File #: SUN8720

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 1.1 Version C Release: August 13, 1993  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation Model: 4/30  
C Compiler: Solaris C Compiler Version: 1.1 Release: Aug 13, 1993  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/14/93

### Reference File #: SUN9763

Product Supplier: SunSoft, Inc.  
Product Tested: Solaris Version: 1.0.1 Release: PC  
System Supplier: Sun Microsystems Computer Corporation, Inc.  
System Hardware: SPARCstation 2 Model: GX  
C Compiler: Solaris C Compiler Version: 1.0.1 Release: Dec 4, 1991  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 02/19/92

### Reference File #: UNI0505

Product Supplier: Unisys Corporation  
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000 Series Model: U 6000/15  
C Compiler: UNIX System V Release 4 Standard C Development  
Environment Version: 1.0.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 04/30/92

### Reference File #: UNI1798

Product Supplier: Unisys Corporation  
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000 Series Model: U 6000/65  
C Compiler: UNIX System V Release 4 Standard C Development  
Environment Version: 1.0.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

### Reference File #: UNI3690

Product Supplier: Unisys Corporation  
Product Tested: UNIX System V Release 4 Version: 1.1 Release: October 30, 1992  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000 Series Model: U6000/65  
C Compiler: UNIX System V Release 4 Standard C Development  
Environment Version: 1.1  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 09/28/92

### Reference File #: UNI5711

Product Supplier: Unisys Corporation  
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000 Series Model: U 6000/60  
C Compiler: UNIX System V Release 4 Standard C Development  
Environment Version: 1.0.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

### Reference File #: UNI9063

Product Supplier: Unisys Corporation  
Product Tested: UNIX System V Release 4 Version: Revision 1.0.2  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000 Series Model: U 6000/35  
C Compiler: UNIX System V Release 4 Standard C Development  
Environment Version: 1.0.2  
PCTS: 151-1 Version: 1.1 - 01/22/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/12/92

### Reference File #: UNI9080

Product Supplier: Unisys Corporation  
Product Tested: CTOS II Version: 3 Release: 3  
System Supplier: Unisys Corporation  
System Hardware: Unisys B-Series Model: NGEN  
C Compiler: Microsoft C Version: 6.0  
PCTS: 151-1 Version: 1.1 - 07/01/91  
APTL: 0343 DataFocus Incorporated Date Issued: 09/17/91

## NIST POSIX VALIDATED PRODUCTS, *Continued*

Reference File #: UNV0528

Product Supplier: Univel  
Product Tested: UnixWare Version: 1.0 Release: June 1993  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000/DT Series/PW<sup>2</sup> Advantage Plus  
Series Model: U6000/DT1 (MPE 4332)  
C Compiler: Optimizing C Compilation Sys Ver: 2.0 Rel: Nov 2, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV2014

Product Supplier: Univel  
Product Tested: UnixWare Version: 1.0 Release: June 1993  
System Supplier: Unisys Corporation  
System Hardware: Unisys U 6000/DT Series/PW<sup>2</sup> Advantage Plus  
Series Model: U6000/DT2 (MPE 4663)  
C Compiler: Optimizing C Compilation System Version: 2.0 Release:  
Nov. 2, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV3055

Product Supplier: Univel  
Product Tested: UnixWare Application Server Version: 1.0  
Release: October 1992  
System Supplier: AST Research, Inc.  
System Hardware: Premium 486/33 Model: 3V  
C Compiler: UnixWare Software Development Kit Version: 1.0  
Release: October 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/93

Reference File #: UNV3978

Product Supplier: Univel  
Product Tested: UnixWare Version: 1.0 Release: June 1993  
System Supplier: Unisys Corporation  
System Hardware: Unisys PW<sup>2</sup> Advantage Series  
Model: MPI 4336)  
C Compiler: Optimizing C Compilation System Version: 2.0 Release:  
Nov. 2, 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 05/18/93

Reference File #: UNV9180

Product Supplier: Univel  
Product Tested: UnixWare Personal Edition Version: 1.0 Release:  
October 1992  
System Supplier: AST Research, Inc.  
System Hardware: Premium 486/33 Model: 3V  
C Compiler: UnixWare Software Development Kit Version: 1.0  
Release: October 1992  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 10/08/93

Reference File #: USL2115

Product Supplier: UNIX System Laboratories, Inc.  
Product Tested: UNIX System V Release 4 Version: 4 Release: 4.0  
System Supplier: AST Research, Inc.  
System Hardware: Premium Series Model: 486/33  
C Compiler: Standard C Development Environment Version: 5.0  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0343 DataFocus, Inc. Date Issued: 07/01/92

Reference File #: USL3610

Product Supplier: UNIX System Laboratories, Inc.  
Product Tested: UNIX<sup>®</sup> System V Release 4 for the Intel386™  
Architecture Version: 4  
Release: July 1991  
System Supplier: AT&T  
System Hardware: AT&T 6386/25 WGS Model: CPU 311 PC3B  
C Compiler: Standard C Development Environment Version: Issue 5  
PCTS: 151-1 Version: 1.1 - 09/11/91  
APTL: 0342 Mindcraft, Inc. Date Issued: 12/12/91

Reference File #: USL6259

Product Supplier: UNIX System Laboratories, Inc.  
Product Tested: UNIX<sup>®</sup> System V/386 Release 4 Version: 4.0T  
Release: August 1992, with PATCH #1 (Package Date: 11/20/92)  
System Supplier: AST Research, Inc.  
System Hardware: Premium 486/33 Model: 3V  
C Compiler: UNIX System Laboratories Standard C Development  
Environment Version: Issue 5  
PCTS: 151-1 Version: 1.1 - 05/21/92  
APTL: 0342 Mindcraft, Inc. Date Issued: 2/12/93



## 6.7 TESTING LABORATORIES AND VALIDATED PRODUCTS for NIST POSIX (FIPS 151-2)

### ACCREDITED NIST POSIX TESTING LABORATORIES

The National Voluntary Laboratory Accreditation Program (NVLAP) has accredited the following laboratories to test computer operating system interfaces for conformance with the Federal Information Processing Standard 151-2 (FIPS 151-2) using the NIST POSIX Conformance Test Suite (NIST-PCTS:151-2). FIPS 151-2 replaced FIPS 151-1 in its entirety on October 15, 1993. Only accredited laboratories may submit test reports to NIST/CSL for validation.

**DataFocus Incorporated**  
12450 Fair Lakes Circle, Suite 400  
Fairfax, VA 22033-3831

Contact: Mr. Glen McPherson  
Phone: 703-631-6770

**Mindcraft, Inc.**  
410 Cambridge Avenue  
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner  
Phone: 415-323-9000

**PERENNIAL**  
4699 Old Ironsides Drive, Suite 210  
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist  
Phone: 408-748-2900

### NIST POSIX VALIDATED PRODUCTS

The following products have been tested by an Accredited POSIX Testing Laboratory (APTL) using the official National Institute of Standards and Technology POSIX Conformance Test Suite (NIST-PCTS:151-2) for the Federal Information Processing Standards 151-2 (FIPS PUB 151-2). A Certificate of Validation has been issued by NIST/CSL. Additional information is available from NIST/CSL on conditional features supported, configuration details, and resolved test codes (if appropriate).

Information in this listing includes product information on the implementation, system tested and type of implementation. FIPS 151-2 supports three types of implementations, native, hosted, and cooperating. A native implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel." A cooperating implementation "refers to an implementation of POSIX.1 that interfaces directly to an operating system kernel but the load modules are not produceable on this implementation." A hosted implementation "refers to an implementation of POSIX.1 that is accomplished through interfaces from the POSIX.1 services to some alternate form of operating system kernel services."

Information is also provided on the following primary conditional features: General Terminal Interface devices (GTI), Mountable File System (MFS), Modem Control (MC), and Appropriate Privileges (AP).

### PRODUCT SUPPLIERS

### REFERENCE FILE #

Amdahl Corporation	151-2AMD001
Data General Corporation	151-2DGC001
Digital Equipment Corporation	151-2DEC001, 151-2DEC002
Hewlett-Packard Company	151-2HPC001, 151-2HPC002, 151-2HPC003, 151-2HPC004
International Business Machines Corp.	151-2IBM001, 151-2IBM002, 151-2IBM003, 151-2IBM004, 151-2IBM005, 151-2IBM006
Microsoft Corporation	151-2MSC001, 151-2MSC002, 151-2MSC003, 151-2MSC004, 151-2MSC005, 151-2MSC006
Novell, Inc.	151-2NOV001, 151-2NOV002
Sequent Computer Systems, Inc.	151-2SEQ001, 151-2SEQ002
SunSoft, Inc.	151-2SUN001, 151-2SUN002, 151-2SUN003, 151-2SUN004, 151-2SUN005, 151-2SUN006, 151-2SUN007
Unisys Corporation	151-2UNI001, 151-2UNI002

### SYSTEM SUPPLIERS

### REFERENCE FILE #

Amdahl Corporation	151-2AMD001
AST Research, Inc.	151-2NOV001, 151-2NOV002
Compaq	151-2MSC002, 151-2MSC004
Data General Corporation	151-2DGC001
Digital Equipment Corporation	151-2DEC001, 151-2DEC002, 151-2MSC005, 151-2MSC006
Hewlett-Packard Company	151-2HPC001, 151-2HPC002, 151-2HPC003, 151-2HPC004
International Business Machines Corp.	151-2IBM001, 151-2IBM002, 151-2IBM003, 151-2IBM004, 151-2IBM005, 151-2IBM006
Olivetti	151-2MSC001, 151-2MSC003
Sequent Computer Systems, Inc.	151-2SEQ001, 151-2SEQ002
Sun Microsystems Computer Corp., Inc.	151-2SUN001, 151-2SUN002, 151-2SUN003, 151-2SUN004, 151-2SUN005, 151-2SUN006, 151-2SUN007
Unisys Corporation	151-2UNI001, 151-2UNI002

## NIST POSIX VALIDATED PRODUCTS, *Continued*

**151-2AMD001** Issued: 03/18/94 Type: Native

Product Supplier: **Amdahl Corporation**

Product: **UTS Version 4 Release 2**

PCD: UTS 4.2 POSIX.1 and FIPS 151-2 Conformance Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Amdahl Corporation

Computer Hardware Product: Amdahl 5995M-4550

C Compiler: Amdahl C, Version 2.0

APTL: 0342 Mindcraft, Inc.

**151-2DEC001** Issued: 08/12/93 Type: Hosted

Product Supplier: **Digital Equipment Corporation**

Product: **POSIX for Open VMS AXP Version X1.0-041**

PCD: POSIX 1003.1-1990 Conformance Document for Open VMS AXP (July 1993)

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Digital Equipment Corporation

Computer Hardware Product: DECsystem, Model 4000/610

Host Operating System Supplier: Digital Equipment Corporation

Host Operating System: OpenVMS AXP Version 1.5

C Compiler: DEC C Version 1, Release 3

APTL: 0343 DataFocus Incorporated

**151-2DEC002** Issued: 02/28/94 Type: Native

Product Supplier: **Digital Equipment Corporation**

Product: **DEC OSF/1 Version 2.0, released March, 1994**

PCD: DEC OSF/1 POSIX.1 Conformance Document (Order Number:AA-PS35B-TE)

GTI - Supported by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Digital Equipment Corporation

Computer Hardware Product: DEC 3000, Model 400

C Compiler: DEC OSF/1 C Compiler, Version 2.0

APTL: 0342 Mindcraft, Inc.

**151-2DGC001** Issued: 04/12/94 Type: Native

Product Supplier: **Data General Corporation**

Product: **DG/US 5.4 Release 3.00 MU01**

PCD: POSIX.1 Conformance Document for the DG/UX™ System Revision 04, March 1994

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Data General Corporation Corporation

Computer Hardware Product: Data General AViiON AV8500 Model G70595

C Compiler: gcc 2.4.5.6

APTL: 0342 Mindcraft, Inc.

**151-2HPC001** Issued: 05/12/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.09 with patches PHCO\_3869, PHCO\_4152, and PHKL\_4149**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90034

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 755

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

**151-2HPC002** Issued: 05/12/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.09 with patches PHCO\_3869, PHCO\_4152, and PHKL\_4149**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90034

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 725

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

**151-2HPC003** Issued: 06/01/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.05 with patches PHKL\_4110, and PHNE\_4111**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90049

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 735

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

**151-2HPC004** Issued: 06/01/94 Type: Native

Product Supplier: **Hewlett-Packard Company**

Product: **HP-UX Release 9.05 with patches PHKL\_4110, and PHNE\_4111**

PCD: POSIX Conformance Document, HP 9000 Computers, Third Edition, 1994. HP Part Number B2355-90049

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Hewlett-Packard Company

Computer Hardware Product: Series 9000 Model 725

C Compiler: HP C Compiler Version A.09.33

APTL: 0342 Mindcraft, Inc.

**151-2IBM001** Issued: 03/08/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **MVS/ESA 4.3 OpenEdition™ 1.0**

PCD: OpenEdition MVS POSIX.1 Conformance Document, Document Number SC23-3011-00

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corporation

Computer Hardware Product: ES/9000-570

C Compiler: IBM SAA AD/Cycle® C/370 Version 1 Release 2

APTL: 0342 Mindcraft, Inc.

**151-2IBM002** Issued: 02/17/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs: U423984, U424399, U424507, U424590, U425456, U424587, U425984, U425988, U425997, U426001, U426014, U425858**

PCD: AIX Version 3.2 POSIX Conformance Document

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 590

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.



## NIST POSIX VALIDATED PRODUCTS, *Continued*

**151-2IBM003** Issued: 02/17/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**  
**U423984, U424399, U424507, U424590, U425456,**  
**U424587, U425984, U425988, U425997, U426001,**  
**U426014, U425858**

PCD: AIX Version 3.2 POSIX Conformance Document

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 250

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

**151-2IBM004** Issued: 02/17/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**  
**U423984, U424399, U424507, U424590, U425456,**  
**U424587, U425984, U425988, U425997, U426001,**  
**U426014, U425858**

PCD: AIX Version 3.2 POSIX Conformance Document

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corporation

Computer Hardware Product: RISC System/6000, Model 360

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

**151-2IBM005** Issued: 04/29/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**  
**U423984, U424399, U425456, U425984, U425988,**  
**U425997, U426001, U426014, U427208, U427272,**  
**U427892**

PCD: AIX Version 3.2 POSIX Conformance Document, part  
number GC23-2159-02, Third Edition

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 230

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

**151-2IBM006** Issued: 04/29/94 Type: Native

Product Supplier: **International Business Machines Corporation**

Product: **AIX Version 3.2.5 for RISC System/6000 with PTFs:**  
**U423984, U424399, U425456, U425984, U425988,**  
**U425997, U426001, U426014, U427208, U427272,**  
**U427892**

PCD: AIX Version 3.2 POSIX Conformance Document, part  
number GC23-2159-02, Third Edition

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: International Business Machines Corp.

Computer Hardware Product: RISC System/6000, Model 570

C Compiler: XLC Version 1, Release 3

APTL: 0342 Mindcraft, Inc.

**151-2MSC001** Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance  
Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Olivetti

Computer Hardware Product: M700-10

Host & Development Operating System Supplier: Microsoft Corporation

Host & Development Operating System: Windows NT Version 3.1

C Compiler: Microsoft® C Centaur Optimizing Compiler Ver 8.00.081

APTL: 0342 Mindcraft, Inc.

**151-2MSC002** Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance  
Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Compaq

Computer Hardware Product: Deskpro 4/66i

Host & Development Operating System Supplier: Microsoft Corporation

Host & Development Operating System: Windows NT Version 3.1

C Compiler: Visual C++ for Windows and Windows NT, 32-bit Edition,  
Version 1.00.

APTL: 0342 Mindcraft, Inc.

**151-2MSC003** Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance  
Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Olivetti

Computer Hardware Product: M700-10

Host & Development Operating System Supplier: Microsoft Corporation

Host & Development Operating System: Windows NT Advanced Server  
Version 3.1

C Compiler: Microsoft® C Centaur Optimizing Compiler Version 8.00.081

APTL: 0342 Mindcraft, Inc.

**151-2MSC004** Issued: 04/12/94 Type: Cooperating Hosted

Product Supplier: **Microsoft Corporation**

Product: **Microsoft Windows NT POSIX Subsystem Version 3.1**

PCD: Microsoft Windows NT POSIX Subsystem POSIX Conformance  
Document

GTI - NOT Provided by Product MC - NOT Provided by Product

MFS - NOT Provided by Product AP - NOT Provided by Product

Computer Hardware Supplier: Compaq

Computer Hardware Product: Deskpro 4/66i

Host & Development Operating System Supplier: Microsoft Corp.

Host & Development Operating System: Microsoft Windows NT  
Advanced Server Version 3.1

C Compiler: Visual C++ for Windows and Windows NT, 32-bit Edition,  
Version 1.00.

APTL: 0342 Mindcraft, Inc.



# NIST POSIX VALIDATED PRODUCTS, *Continued*

**151-2MSC005** Issued: 05/12/94 Type: Cooperating Hosted  
 Product Supplier: **Microsoft Corporation**  
 Product: **Microsoft® Windows NT™ POSIX Subsystem Version 3.1**  
 PCD: Microsoft® Windows NT™ POSIX Subsystem POSIX Conformance Document  
 GTI - NOT Provided by Product MC - NOT Provided by Product  
 MFS - NOT Provided by Product AP - NOT Provided by Product  
 Computer Hardware Supplier: Digital Equipment Corporation  
 Computer Hardware Product: DECpc AXP/150  
 Host & Development Operating System Supplier: Microsoft Corp.  
 Host & Development Operating System: Microsoft® Windows NT™ Version 3.1  
 C Compiler: Microsoft® C/C++ Optimizing Compiler Version 8.00.9B  
 APTL: 0342 Mindcraft, Inc.

**151-2MSC006** Issued: 05/12/94 Type: Cooperating Hosted  
 Product Supplier: **Microsoft Corporation**  
 Product: **Microsoft® Windows NT™ POSIX Subsystem Version 3.1**  
 PCD: Microsoft® Windows NT™ POSIX Subsystem POSIX Conformance Document  
 GTI - NOT Provided by Product MC - NOT Provided by Product  
 MFS - NOT Provided by Product AP - NOT Provided by Product  
 Computer Hardware Supplier: Digital Equipment Corporation  
 Computer Hardware Product: DECpc AXP/150  
 Host & Development Operating System Supplier: Microsoft Corp.  
 Host & Development Operating System: Microsoft® Windows NT™ Advanced Server Version 3.1  
 C Compiler: Microsoft® C/C++ Optimizing Compiler Version 8.00.9B  
 APTL: 0342 Mindcraft, Inc.

**151-2NOV001** Issued: 05/03/94 Type: Native  
 Product Supplier: **Novell, Inc.**  
 Product: **UnixWare™ Application Server Version 1.1 with UnixWare Update 1.1.1 and PTF604**  
 PCD: UnixWare™ Programmer's Guide: POSIX.1 Conformance (First Edition)  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: AST Research, Inc.  
 Computer Hardware Product: Premium 486/33 model 3V  
 C Compiler: UnixWare™ SDK/Personal Utilities Version 1.1  
 APTL: 0342 Mindcraft, Inc.

**151-2NOV002** Issued: 05/03/94 Type: Native  
 Product Supplier: **Novell, Inc.**  
 Product: **UnixWare™ Personal Edition Version 1.1 with UnixWare Update 1.1.1 and PTF604**  
 PCD: UnixWare™ Programmer's Guide: POSIX.1 Conformance (First Edition)  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: AST Research, Inc.  
 Computer Hardware Product: Premium 486/33 model 3V  
 C Compiler: UnixWare™ SDK/Personal Utilities Version 1.1  
 APTL: 0342 Mindcraft, Inc.

**151-2SEQ001** Issued: 04/12/94 Type: Native  
 Product Supplier: **Sequent Computer Systems Inc.**  
 Product: **DYNIX/ptx Version 4.0.0**  
 PCD: DYNIX/ptx POSIX.1 Conformance Specification Part Number 1003-49622-04  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: Sequent Computer Systems Inc.  
 Computer Hardware Product: Sequent Symmetry Systems SE20  
 C Compiler: ptx/C (Version 4.0.0)  
 APTL: 0342 Mindcraft, Inc.

**151-2SEQ002** Issued: 04/12/94 Type: Native  
 Product Supplier: **Sequent Computer Systems Inc.**  
 Product: **DYNIX/ptx Version 2.1.1**  
 PCD: DYNIX/ptx POSIX.1 Conformance Specification Part Number 1003-49622-03a  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: Sequent Computer Systems Inc.  
 Computer Hardware Product: Sequent Symmetry Systems SE60  
 C Compiler: ptx/C (Version 2.1.1)  
 APTL: 0342 Mindcraft, Inc.

**151-2SUN001** Issued: 12/23/93 Type: Native  
 Product Supplier: **SunSoft, Inc.**  
 Product: **Solaris 2.3 with patch 101294-01**  
 PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1 Part No: 801-5263-10  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.  
 Computer Hardware Product: SPARCcenter 2000, model 2204  
 C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992  
 APTL: 0342 Mindcraft, Inc.

**151-2SUN002** Issued: 12/23/93 Type: Native  
 Product Supplier: **SunSoft, Inc.**  
 Product: **Solaris 2.3 with patch 101294-01**  
 PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1 Part No: 801-5263-10  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.  
 Computer Hardware Product: SPARCstation 10SX, model 40  
 C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992  
 APTL: 0342 Mindcraft, Inc.

**151-2SUN003** Issued: 12/23/93 Type: Native  
 Product Supplier: **SunSoft, Inc.**  
 Product: **Solaris 2.3 with patch 101294-01**  
 PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1 Part No: 801-5263-10  
 GTI - Supported by Product MC - Supported by Product  
 MFS - Supported by Product AP - Supported by Product  
 Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.  
 Computer Hardware Product: SPARCstation 10, model 52  
 C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992  
 APTL: 0342 Mindcraft, Inc.



## NIST POSIX VALIDATED PRODUCTS, *Continued*

**151-2SUN004** Issued: 12/23/93 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 with patch 101294-01**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:  
POSIX.1 Part No: 801-5263-10

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCserver 670MP, model 54

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

**151-2SUN005** Issued: 3/30/94 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 Edition II with patch 101294-01 and 101498-02**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:  
POSIX.1 Part No: 801-5263-11

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCstation 5

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

**151-2SUN006** Issued: 3/30/94 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 Edition II**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5:  
POSIX.1 Part No: 801-5263-11

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCstation Voyager

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

**151-2SUN007** Issued: 3/30/94 Type: Native

Product Supplier: **SunSoft, Inc.**

Product: **Solaris 2.3 Release with patches 101294-01, 101318-27,  
and 101493-01**

PCD: Solaris 2.3 Standards Conformance Guide, Chapter 5: POSIX.1  
Part No: 801-5263-11

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Sun Microsystems Computer Corp., Inc.

Computer Hardware Product: SPARCstation 20, Model 502

C Compiler: Sun C Compiler Version 2.0.1, Released Oct. 3, 1992

APTL: 0342 Mindcraft, Inc.

**151-2UNI001** Issued: 12/02/93 Type: Native

Product Supplier: **Unisys Corporation**

Product: **Unix System V Release 4 Revision 1.2**

PCD: UNIX System V Release 4.0 POSIX Conformance Programmer's  
Guide

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Unisys Corporation

Computer Hardware Product: Unisys U6000 Series U6000/65

C Compiler: Unix System V Release 4 Standard C Development  
Environment Rev. 1.2

APTL: 0342 Mindcraft, Inc.

**151-2UNI002** Issued: 12/02/93 Type: Native

Product Supplier: **Unisys Corporation**

Product: **Unix System V Release 4 Revision 1.2**

PCD: UNIX System V Release 4.0 POSIX Conformance Programmer's  
Guide

GTI - Supported by Product MC - Supported by Product

MFS - Supported by Product AP - Supported by Product

Computer Hardware Supplier: Unisys Corporation

Computer Hardware Product: Unisys U6000 Series U6000/300

C Compiler: Unix System V Release 4 Standard C Development  
Environment Rev. 1.2

APTL: 0342 Mindcraft, Inc.

For further information on the NIST/CSL POSIX validation program contact Martha M. Gray, Computer Systems Laboratory, B266 Technology Bldg., NIST, Gaithersburg, MD 20899. Telephone: 301-975-3276, fax: 301-590-0932, e-mail: [gray@sst.ncsl.nist.gov](mailto:gray@sst.ncsl.nist.gov).

This register is also available on an electronic mail (email) file server system. To use the service, you must be able to send and receive email via the Internet. For most email systems, send an email message (*mail posix@nist.gov*) with the first line of the message containing a command to *send 151-2reg* and a carriage return. The next line should simply end your email message (on some systems a period and a carriage return). This register will be returned via email to your email address. There is also a register for FIPS 151-1 accredited laboratories and validated products. For this register use the command *send 151-1reg*.

## 7. COMPUTER SECURITY TESTING

### 7.1 Cryptographic Standards

The lists in Sections 8.6, 8.7 and 8.8 provide technical information about products that have been validated as conforming to the following computer security FIPS:

- a. Data Encryption Standard (DES), FIPS PUB 46-1,
- b. Message Authentication Code (MAC), FIPS PUB 113, and
- c. Key Management Using ANSI X9.17, FIPS PUB 171.

### 7.2 Data Encryption Validation Tests

FIPS PUB 46-1 specifies a cryptographic algorithm that converts plaintext to ciphertext using a 56-bit key. Testing procedures for the validation of devices as conforming to FIPS PUB 46-1 are described in the NBS Special Publication 500-20, Validating the Correctness of Hardware Implementations of the NBS Data Encryption Standard. The validation of a device is performed by running the Monte Carlo test described in the publication. The Monte-Carlo test consists of eight million encryptions and four million decryptions, with two encryptions and one decryption making up a single test. The test is designed to use the Electronic Codebook Mode (ECB) of DES. Although the actual test described in NBS Special Publication 500-20 is the same test used to validate devices today, the procedures for administering the test have changed. Currently, the test is performed by the vendor using initial values supplied by NIST. The vendor uses the supplied information to run the Monte-Carlo test and sends the results to NIST.

### 7.3 Message Authentication Code (MAC) Validation System

FIPS PUB 113, Computer Data Authentication, specifies a Data Encryption Algorithm which may be used to detect unauthorized intentional and accidental modifications to data. This process is known as data authentication. The algorithm is based on DES and is used to authenticate an entire binary message. FIPS PUB 113 is compatible with ANSI X9.9 which provides methods for authenticating an entire binary message as well as all or parts of a message which are in a coded character format. Procedures for the validation of products which implement FIPS PUB 113 and ANSI X9.9 are described in NBS Special Publication 500-156, Message Authentication Code (MAC) Validation System: Requirements and Procedures.

### 7.4 Key Management Validation System (KMVS)

FIPS PUB 171 adopts ANSI X9.17 for Federal Government use. ANSI X9.17, Financial Institution Key Management (Wholesale), provides procedures and protocols for the secure generation, distribution, storage, entry, use and destruction of symmetric cryptographic keying material (e.g., DES). It provides key management solutions for a variety of operational environments, and as such, ANSI X9.17 contains a number of options. FIPS PUB 171 specifies a particular set of options whenever keying material is distributed using the protocols of ANSI X9.17. Procedures for the validation of products which conform to a subset of the options selected in FIPS PUB 171 are described in the Key Management Validation System: Point-to-Point Validation System document which is available from the Manager of the Security Group (see Section 8.5).



## **7.5 General**

### **7.5.1 Request for Validation**

To validate a product, a vendor should send a formal request for validation which includes a clear indication of the product to be tested. The request must also include the name, address, and telephone number of the person within the vendor's organization who will be responsible for the validation testing. The request should be sent to:

Manager, Security Technology Group  
Computer Security Division  
Computer Systems Laboratory  
Building 225, Room A216  
National Institute of Standards and Technology  
Gaithersburg, MD 20899  
Telephone (301) 975-2920

### **7.5.2 Information about Validated Products**

It should be noted that the purpose of the following lists (see Sections 7.6, 7.7 and 7.8) is to provide technical information about products that have been validated as conforming to the FIPS Standards listed in Section 7.1. NIST has made every attempt to provide complete and accurate information about the products described in the following lists. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

### **7.5.3 Validation Documentation**

Copies of the above FIPS and Special Publications are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161. The KMVS validation requirements document discussed in Section 7.4 can be obtained by contacting the Manager of the Security Technology Group at the above address.

## 7.6 DES Validated Devices

**NOTE:** The purpose of this document is to provide technical information about devices that have been validated as conforming to Federal Information Processing Standard Publication 46-1, Data Encryption Standard. The National Institute of Standards and Technology (NIST) has made every attempt to provide complete and accurate information about the devices described in this document. However, due to the possibility of changes made within individual companies, NIST cannot guarantee that this document reflects the current status of each product.

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
ADT Security Systems 2560 Huntington Avenue Fourth Floor Alexandria, VA 22303 Hal Marriott (703) 960-8548	ADT Universal Communicator	7187-099 Universal Subsystem and 2995 Universal Subsystem	10/17/90	Chip is an on board component for Communicator products in the High Security Intrusion Detection System. System has integrated key management capabilities.
Advanced Micro Devices, Inc. 4115 Freiderich Lane Mail Stop 135 Austin, TX 78744 Patrick Soheili (408) 749-2161	AmZ8068	8068DC; 8068DCB; 8068JC; 8068PC;	1/28/81	One 40-pin DIP package; n-channel Si-gate technology; ECB, CBC and 8-bit CFB modes; separate ports for key input, clear data and enciphered data; concurrent input, output and ciphering activities; external DMA control; interfaces with AmZ8000 CPU bus directly, and with the 2900, 8080, 8085 and 8048 families with minimum throughput greater than 1 Mbytes per second; greater than 1 Mbytes per second.
	AM 9568	9568DC; 9568DCB; 9568J; 9568DMB; 9568JC; 9568PC;	2/28/84	N-channel silicon gate LSI product containing the circuitry necessary to encrypt and decrypt data; can be used in terminals dedicated controllers, communication concentrators, and peripheral task processors in general processor systems; can be used in CF, ECB, or CBC operating modes; separate ports for key input, clear data, and enciphered data enhanced security; interface directly to the IAPX86, 88 bus; interfaces with 2900 and 8051 families with minimal external logic.
American Telephone and Telegraph Company (AT&T) 6612 E. 75th Street P.O. Box 1008 Indianapolis, IN 46206 Ken Zempol (908) 658-6870	AT&T Smart Card Version 2.11/DES	Computer Security System	5/3/91	Card is part of a smart card based Computer Security System (CSS). The card is carried by an authorized user and permits the user to gain access to host computer systems that are protected by the CSS.
	AT&T Smart Card Version 3.0/DES (5E1)	Computer Security System	7/19/91	This version of the AT&T Smart Card is designed to closely follow developments in the international standards arena in areas of card communication protocols, commands and file structures. It is a general purpose smart card that supports multiple applications and uses the DES as a basic part of its operating system.
Arkansas Systems Inc. 8901 Kanis Road Little Rock, AR 72205-6498 David H. Bishop (501) 227-8471	DES-MATE	Device Only	7/6/89	Provides data encryption for messages sent and received on-line between and ATM/EFT Network switch processor and an IBM host participant in that network. DES key management is automatic and under system control.
AT&T Whippany Road Whippany, N.J. 07981 William Oeschger (201) 898-1198	AT&T T7000A Digital Encryption Processor	Chip Only	4/22/86	Manufactured using CMOS technology; 40-pin DIP; encryption modes include ECB, CBC, CFB, and OFB; throughput 1.882 Mbytes/second on-chip RAM and ROM program memory.
AT&T Bell Laboratories 25 Lindsley Drive Room 2B-309 Morristown, N.J. 07960 William Oeschger (201) 898-1198	DEP229ER (WE229ER)	Not Commercially Available	9/6/83	3.5 micron NMOS technology; 40-pin DIP; encryption modes - ECB, CBC, OFB, CFB1, CFB8, CFB64; Throughput rate of 117K ciphering operation/second.



## DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. B. F. Bailey (919) 279-3779	AT&T Mark E DES Key Generator, PN ON493049-1X	Not Available	6/3/92	Not available
American Telephone and Telegraph Company AT&T Guilford Center I-85 and Mt Hope Church Road McLeansville, NC 27420 Mr. M. Zugay (919) 279-3779	AT&T Mark ET DES Key Generator, Part No. AN10014-1	Not Available	6/3/92	Not available
Arkansas Systems, Inc. 8901 Kanis Road Little Rock, AR 72205-6498 David H. Bishop (501) 227-6471	DES-MATE	Not Available	7/6/89	Provides data encryption for messages sent and received on-line between an ATM/EFT Network switch processor and an IBM host participant in that network. DES key management is automatic and under system control.
Chase Manhattan Bank, N.A. 199 Water Street 12th Floor New York, NY 10081 Robert Stevenson (212) 797-4153	Chase Encryption Device 1	Not Available	7/24/84	Not Available
Collins Telecommunications Collins Defense Communications  350 Collins Road, NE Mail Stop 120-105 Cedar Rapids, Iowa 52498 Jim Perkins (319) 395-5773	765-5914-001  Voice Privacy Device VP430	CR-200  Device Only	10/15/77  10/6/81	pMOS chip with 40 usec algorithm execution time; chip has approximately a 50 nsec state change; can perform I/O functions while the chip is in operation; part of network stand-alone encryptor.  Imbedded encryption device for commercial hand held communications devices.
Computer Elektronik Infosys of America, Inc. 512-A Herndon Parkway Herndon, VA 22070 A. Mark Brown (703) 435-3800	SuperCrypt  CryptCard	Chip and Design Kit  CryptCard	7/24/91  1/12/93	Chip designed for high speed (12 Megabytes/sec data rates) encryption and decryption. ECB, CBC, CFB and OFB modes of DES supported as well as MAC generation. Available as a 120 Pin Flat Pack.  CryptCard is an access control and DES encryption adapter for notebook PCs that have a PCMCIA slot.
Cylink Corporation 110 South Wolfe Road Sunnyvale, CA 94086 Les Nightingill (408) 735-5800	CY1045  Cylink Faxdes  12035-001, DES52M  12422-001, DES2M1CFB	Chip Only  Device Only  Device Only	1/28/87  7/1/87  6/3/92  8/27/92	Not Available  Not Available  Not Available  Not Available
Datakey Inc. 407 West Travelers Trail Burnsville, MN 55337-9990 Michael Carenzo (612) 890-6850	H8-310 ASACS Smart Card	H8-310 ASACS Smart Card	7/2/92	The ASACS hardware consists of a credit-card sized smart card with an embedded Hitachi H8/310 microprocessor and a reader/writer interface which provides an RS-232 serial connection to a host computer. The smart card functions are implemented in firmware which is stored in the memory of the card's microprocessor.

## DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Docutel/Olivetti Corporation 106 Decker Court Suite 300 Irving, TX 75062 Division International Marketing (214) 550-5400	Docutel Nordisk Spardata Cash Dispensing Terminal	Total Teller 2380;ETS 5100;	6/20/82	Firmware implementation of DES in ROM for PIN/communications security.
The Exchange 15395 SE 30th Place Bellevue, WA 98007 Patricia Lenti-Crane (206)644-7000	EXCRYPT DEB-64-KM (originally EXCLUDE DEB- 64-KM)	Device Only	1/26/89	Encrypts and decrypts data; generates random keys; supports up to six security processor boards that can be run in parallel to enhance throughput; has storage capacity for up to 4000 DES keys; developed for secure financial transactions.
Fairchild Semiconductor 2000 Century Plaza Columbia, MD 21044 Sales Department (301) 730-1510	9414 Chip Set	Not Available	12/20/73	Bit-slice chip set mounted on a 9414 board with edge or ELCO connector; 4 chip set with 40 pins each; 2 bits, of each byte are distributed to each chip; single 5 V power supply; separate data inputs and outputs; ECB, CFB, and CBC modes of operation.
Front Line Software P.O. Box 217 Lowell, MA 01853 William Graham (617) 452-3352	726-8064 PROM Device	Chip Only	12/1/86	4 K EPROM to be used with Intel IPAX family of microprocessors including all models of the IBM PC family; all modes of DES supported.
GEC-Marconi Limited Ltd. Brown Lane, The Airport Portsmouth, Hampshire PO3 5PH England Roger Madden Cycomm Corporation (703) 352-4741	DM800	Encryption only	3/1/93	The DM800 is a module that can be added to an ordinary analogue radio in order to provide communication security by digital encryption.
GEMPLUS CARD INTERNATIONAL 6290 Montrose Road Rockville, MD 20852 Gilles Lisimaque (301) 770-1558	MCOS16K EEPROM/DES	Card Only	3/18/91	A multi-application smart card which complies with the ISO standard 7816 (parts 1, 2, and 3) for Integrated Circuit cards with contacts.
General Electric Company Mountain View Road Lynchburg, VA 24502 Jim Elder (804) 948-6187	Part Number 19B801375	Not Available	6/28/85	The GE DES IC is a microprocessor controlled, low speed asynchronous CMOS IC using DES. Intended to provide secure voice in commercial grade mobile radio applications.
Glenco Engineering, Inc. 270 Lexington Drive Buffalo Grove, IL 60089-6930 D. Wade Clark (708) 808-0300	Glen-DES PN GL306051	Glen-DES PN GL306051	5/8/92	The Glen-DES is a compact 20 pin design, using low power CMOS technology, operating at 3us using a 16 MHz clock. The DES chip features nonvolatile internal memory, an external key and a combined key. It is available with a simple CPU interface and it supports a DOS printer port implementation.
IBM Corporation Federal Systems Division P.O. Box 100 Kingston, NY 12401 Robert Elander (914) 385-6692	4402182 WK4/988	Chip Only	11/1/77	This card used in terminal equipment; the chip uses technology with PLA control to implement CBC;
	P/N 8270094 using DES Chip P/N 5898057 (originally 8269206)	Not Available	8/25/78	This card is used in 3845 and 3846 equipment for 8-bit CFB.
	Two TTL cards - 8632242 and 8679176	3846-Link Encryption;3848- Cryptographic Unit;	9/21/79	Will operate at least at the 1.5 Mbytes 360 channel rate; card set is used in the 3848 cryptographic unit; uses "Emerald-5" technology.



## DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
IBM Corporation 1001 W.T. Harris Blvd. West Charlotte, NC 28257 William Rohland (704) 594-8250	4745 Security Interface Unit and the Personal Security Card	IBM 4753 Network Security Processor	10/10/90	Devices are used in a transaction security system to protect the privacy and integrity of data using a common cryptographic interface. The security interface unit communicates with the Personal Security Card and the cryptographic adaptor, if present. The Personal Security Card is an integrated-circuit chip card that contains a single chip security processor.
IBM Corporation P. O. Box 950 Poughkeepsie, NY 12602 Robert Granell (914) 435-5751	IBM EX/900 Integrated Cryptographic Feature		2/26/93	The Integrated Cryptographic Feature is available for inclusion on the IBM ES/9000 processors in support of IBM's cryptographic architecture.
Intel 1900 Prairie City Road Folsom, CA 95630 Joe Dragony (916) 351-5250	8294	Not Available	1/3/78	Algorithm is microcode which is burned into a 1 Kbyte ROM on a 5 volt, 40-pin chip driven by a 8042 microprocessor.
	8294A	8294 chip; 8294A chip;	6/20/82	Same as the 8294 except for a maximum data transfer rate of 400 bytes per second.
John E. Holt & Associates 2714 Key Boulevard Arlington, VA 22201 John Holt (703) 524-2923	Krypton Firmware	Expansion board available in two models;	2/12/86	ROM chips for the standard IBM PC family include eight 3722 chips, four 2764 chips and one 27256 chip; 1024-bit CBC chaining; encryption speed dependent on clock of PC; ROM can plug directly into ROM slot.
Jones Futurex 3715 Atherton Road Rocklin, CA 95765 Steve De Rosa (916) 632-3456	SAFE 300		8/12/93	The SAFE 300 is a stand-alone fax encryptor that provides both public network security and office privacy with automatic fax encryption, confidential fax mailbox, and misdial protection.
Lexicon ICOT Corporation 3801 Zanker Road P.O. Box 5143 San Jose, CA 95150-5143 Bob Lynch (408) 433-3300	LEX-POS (Model 600)	Device Only	11/28/84	A Personal Identification Number (PIN) entry device; used in conjunction with financial transaction devices, 16 key keyboard, 20 character display, RS-232 compatible, Lexicon sold LEX-POS to ICOT Corporation.
LSI Logic/Dataco AS Smedeholm 12-14 DK-2730 Herlev Denmark Jens Kjelsbak 45 44 53 01 00	Dataco L5A4043 2030025402	ScaNET PC TCP/IP package; Gateway; IBM 3270 Gateway; Terminal Server; IBM S/3X Terminal Server; Buffered Repeater;	1/12/90	Custom DES IC was manufactured by LSI Logic for Dataco. The DES chip is designed for optional use in ScaNet local area network products.
Matsushita Electronic Components High Frequency Products Division One Panasonic Way Secaucus, NJ 07094 Dursun Sakarya (201) 348-7767	EBC 1642 IC Card	Card Only	3/13/91	Card is designed to be a high security external storage media housing an 8 bit CPU and 64 Kbit EEPROM.
Micro Card Technologies, Inc. 14070 Proton Road Dallas, TX 75244 Jeff Lang (214) 788-4055	Micro Card TB100 Integrated Circuit Card	TB100 Integrated Circuit Card Family	9/19/90	A multi-application integrated circuit card which can simultaneously support several application data files. Ciphering and deciphering functions may be used to encrypt or decrypt external messages using DES.

## DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Morse Security Group, Inc. 12960 Bradley Avenue Sylmar, CA 91342-0128 Nalin Chheda (800) 423-5669 (818) 367-5951	TRAP 5200 System	Touch Response Alarm; Touch Response Trans- ponder;	4/17/90	Touch response alarm processor system, including a receiver processor located in a data gathering center and a series of transponders located at remote locations, contains DES to produce encrypted data that flows along a communication path.
Motorola Microprocessor Products Division  6501 William Cannon Drive West Austin, TX 78735-8598 Don Ponder (512) 440-2956	MC6859 (originally MGD68NE)	MC6859 Chip	2/11/80	Si-gate depletion mode, nMOS 24-pin DIP using single 5 volt power supply; implements ECB and CFB.
Motorola 1309 East Algonquin Road Shaumburg, IL 60196 James Osborn (312) 576-2251	TSW-2		11/12/81	Special purpose for internal use only.
Newbridge Microsystems 603 March Road Kanata, Ontario Canada K2K 2M5 Tony Rosati (613) 592-0714	CA95A		9/8/93	The CA95C Data Ciphering Processor implements the DES using the ECB, CFB, or CBC modes of operation. The CA95C provides a high throughput rate up to 11 Mbytes/second. Separate ports for key input, clear data and enciphered data are available.
	CA20C03A	Chip Only	4/10/91	A high performance WD20C03A compatible DES Data encryption processor with data transfer rates up to 4 Mbytes per second. Supports ECB and CBC; PLCC and PDIP packaging available.
Newnet S.A. Alsina 430 Buenos Aires 1087 Argentina Daniel Ramos 54 1 334 9732	Data Security Device (DSD 9612)	Chip Only	7/2/91	This device is based on an eight bit INTEL microprocessor with 8 Kbytes of EPROM. Transfer data at speeds of 1200 to 9600 bps and communicates with other devices via EIA RS-232-C ports.
Nixdorf Computer Corporation 168 Middlesex Turnpike Burlington, MA 01803 Kevin Madden (617) 890-3600	VEM Module	Not Available	1/7/80	The plug-in module is used with the Nixdorf 8864 CPU for encrypting data transmission blocks and file protection; may be used in terminal applications in the financial community; uses TTL.
Racal-Milgo P.O. Box 407044 Ft. Lauderdale, FL 33340-7044 Richard Abbruscato (305) 476-6800	Datacryptor	Datacryptor II; Datacryptor III; Dial- up Datacryptor II; Datacryptor II Model 1027 Standard 1027	1/7/80	Stand alone equipment with public key management remote distribution of master keys.
Rothenbuhler Engineering P.O. Box 708 2191 Rhodes Road Sedro Wolley, WA 98284-0708 Andrew Benson (206) 856-0836	CLS Series 5200 Encryption Module	CLS Series 5200 Polling System	3/19/91	The CLS Series 5200 Encryption Module is used in a system which communicates 8 channels of electronic security information between a client and a central monitoring facility.



## DES Validated Devices, *Continued*

MANUFACTURER ADDRESS	DEVICE ID	PRODUCT	VALIDATION DATE	DESCRIPTION
Secur-Data Systems, Inc. Omega Center 7340 Executive Way, Suite R Frederick, MD 21701 Ronald Baum (301) 698-9955	DESPLEX	TMS; MP5	2/2/89	Used in a CF configuration as part of a firmware operating system for processing and transmission of alarm sensor data as well as receiving and annunciating data at an alarm monitoring facility.
Texas Instruments, Inc. P.O. Box 1443, M/S 736 Houston, TX 77001 Mike Polen (713) 274-3635	TMS 99541	TMS 7500 Chip; New name for the TMS 99521 Chip;	2/28/82	Preprogrammed TMS7020 8-bit single chip microprocessor; 40-pin DIP plastic package I/O pins are TTL compatible; master and active key registers.
UNIVAC P.O. Box 3942 St. Paul, MN 55165 Jim Nelson (612) 631-6728	End-End/Mass Storage Encryptor	Not Available	1/29/80	Prototype device for testing purposes only
VLSI Technology, Inc. 8375 S. River Parkway Tempe, AZ 85284 R. Slusarczyk (602) 752-8574	VM007 - Data Encryption Processor	VM007 Chip	1/6/92	The VM007 Data Encryption Processor is a programmable integrated circuit that provides a complete cryptographic system on a single chip. It contains a hardware implementation of the DES, RISC-based sequencer, data storage registers, and ROM-based microprogram. It is designed to provide very high data and key processing rates (up to 190 Megabits per second), flexible I/O inter-facing, advanced security features and supports all DES modes of operation. The VM007 is manufactured using 1.0 micron CMOS technology and is available in a 84-pin lead ceramic chip carrier.
	VM009 Data Encryption Processor	VM009B; VM009A80; VM009A86;		
	VM009 Data Encryption			
Wells Fargo Security Products A Unit of Baker Protective Services 1010 North Glebe Road, Suite 680 Arlington, VA 22201 William Martin (703) 247-4250	WP PN 5286/WP PN 5287	MP40/AS- 40; MP44/AS- 44;	5/26/89	The monitor panels are intended for use in a monitoring station of a proprietary intrusion detection alarm system.
Western Digital Corporation 2445 McCabe Way Irvine, CA 92714 Product Marketing Manager for Security Devices (714) 474-2033 X7853	WD-2001/WD2002	WD-2001 Chip; WD-2002 Chip;	8/9/79	Uses si-gate nMOS, TTL compatible; ECB speeds of up to 40 Kbytes/second, 161 Kbytes/second and 242 Kbytes/second.
	WD20C03 DES Device	WD-20C03 Chip	2/19/87	Uses si-gate CMOS, TTL compatible; ECB and CBC, speeds of up to 403 Kbytes/second, 645 Kbytes/second and 807 Kbytes/second in ECB.

## 7.7 FIPS 113, Computer Data Authentication Message Authentication Code (MAC) Implementations

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
1. ACS Communications Systems Inc. 480 Spring Park Place Suite 800 Herndon, VA 22070  Don Cole, (703) 471-0892	Personal Computer Security Module, PCSM-T  May 16, 1986	BINARY OPTION (FIPS 113)	9. Digitech Telecommunications, Inc. 342 Madison Avenue Suite 2010 New York, NY 10017  James J. McKeeff, (212) 557-7230	Softnet Software, Version 1  June 29, 1987	BINARY OPTION (FIPS 113)
2. Federal Reserve Bank of Cleveland P.O.B. 6387 Cleveland, Ohio 44101  Dave Rich, (216) 579-2221	Jones Futurex PC Encryption Board FRS PC MAC Processor  October 28, 1986	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING	10. Sytek, Inc.  Rights transferred to AeT Research, Inc. on January 29, 1986 - see entry 17	MACbox  June 30, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
3. Shannon Systems, Inc. Mountain View, CA  Out of Business	Remote Crypto Facility Software Version 3.0  January 16, 1987	BINARY OPTION (FIPS 113)	AeT Research 675 North First Street Suite 800 San Jose, CA 95112  Linden Feldman, (408) 275-0820	PORT-OF-ENTRY Computer Security System Vers 1.2 (Software)  August 17, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
4. Codercard, Inc.  Rights transferred to LTRONICS Information Systems on Sept. 12, 1980 - see entry 23.  LTRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626  Bob Gray, (714) 557-3444	Personal Computer Security Adaptor, CPS-300 Argus, Version 1 Software  February 26, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE, NO EDITING CODED CHARACTERS; ENTIRE MESSAGE, EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS, NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS, EDITING	11. Inter-Quest, Inc. 16508 East Laser Drive Fountain Hills, AZ 85268  Charles Redding, (602) 948-2560	PC Security Module, RGL 800 RGL 800 Host PC C Driver Software, Version: V1.01  November 20, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
5. Jones Futurex, Inc. 10933 Trade Center Drive Rancho Cordova, CA 95670  Don Thompson, (916) 635-3672	MAC-310 Message Authenticator  February 27, 1987	BINARY OPTION (FIPS 113)	12. Racal-Guardata Limited Richmond Court 309 Fleet Road Fleet, Hampshire GU13 8BU England  Paul Halliden, (252) 622144, England	PC Security Module, RGL 800 RGL 800 Host PC C Driver Software, Version: V1.01  November 20, 1987	BINARY OPTION (FIPS 113)
6. Infomax Securities 6674 Sandpiper Place Carlsbad, CA 92009  David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.5  March 27, 1987	BINARY OPTION (FIPS 113)	13. The Chase Manhattan Bank, N.A. 1 Seaport Plaza 11th Floor New York, New York 10038  Bob Marlian, (212) 797-4038	C-FIMAS 16 Software, Version 1.0  December 8, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
7. Inter-Quest, Inc. 16508 E. Laser Drive Fountain Hills, AZ 85268  Charles Redding, (602) 948-2560	PORT-OF-ENTRY Computer Security System Vers. 1.1 (Software)  May 8, 1987	BINARY OPTION (FIPS 113)	14. Atalla Corporation 2304 Zanker Road San Jose, CA 95131  Dale Hopkins, (408) 435-8850	Personal Computer Module, CPCM CPCM.HEX Software, Version OA 13-2043-01  January 11, 1988	BINARY OPTION (FIPS 113)
8. Infomax Securities 6674 Sandpiper Place Carlsbad, CA 92009  David Howard, (619) 931-8787	Protecom Crypto Processor Protecom Device Driver & Utilities, Version 0.6  May 11, 1987	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING			



# Message Authentication Code (MAC) Implementations, Continued

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
16. GN Telematic, Inc. 46 Manning Road Billerica, MA 01821  Poul Hebegaard, (617) 667-8644	safeMatic 2000, KB76-17527 Coded Character Set Processing Software, Model KB77-17012, Version A  February 3, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDIT- ING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	22. Racal-Guardata, Inc 480 Spring Park Place Suite 600 Herndon, VA 22070  Brian Bucholz, (703) 471-0892	X9 Crypto Server  June 1, 1990	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; EDITING
17. AeT Research 675 North First Street Suite 800 San Jose, CA 95112  Originally validated on June 30, 1987 as a Sylek, Inc. device - see entry 10.  Linden Feldman, (408) 275-0820	MACbox  August 8, 1988	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDIT- ING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	23. LITRONIC Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626  Flights transferred on September 12, 1990  Bob Gray, (714) 545-8849 James Prohaska, (703) 980-8088	Personal Computer Security Adapter Argus, Version 1 Software**  Originally validated by Codercard, Inc. on February 26, 1987 - see entry 4.	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MES- SAGE ELEMENTS; EDITING
18. Atalla Corporation 2304 Zanker Road San Jose, CA 95131  Dale Hopkins, (408) 435-8850	Personal Computer Module, MN-40-249 CPCM.HEX Software, Version OE 13-2043-00  September 28, 1988	BINARY OPTION (FIPS 113)	24. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257  Roger Evans, (704) 594-7080	4755 Cryptographic Adapter  October 15, 1990	BINARY OPTION (FIPS 113)
19. Cypher Communica- tions Technology, Inc. 4520 East-West High- way Suite 550 Bethesda, MD 20814  Angel Bailey, (301) 652-8790	CYCOM SCI AX3 5.01, Version 10084002  February 2, 1989	BINARY OPTION (FIPS 113)	25. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257  Roger Evans, (704) 594-7080	4754 Security Interface Unit  October 15, 1990	BINARY OPTION (FIPS 113)
20. Dial-Guard 55 Koch Road/PO Box 7045 Corte Madera, CA 94925  Shun-Hwa Cheng or Trone Miller, (415) 927-2232	Dial-Guard Remote Authenti- cator 01-103, Version 2.0 Rev. 0  March 6, 1989	BINARY OPTION (FIPS 113)	26. IBM Corporation Dept. 65K/B204-3 1001 W.T. Harris Blvd. Charlotte, NC 28257  Roger Evans, (704) 594-7080	IBM Personal Security Card  October 15, 1990	BINARY OPTION (FIPS 113)
21. Oldok Data 3945 St. Martin Laval, Quebec, Canada H7T 1B7  Claude Vigeant, (514) 681-1681	RAC/M FAS-PACK, Version 1.0  April 24, 1989	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDIT- ING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING	27. Cypher Communica- tions Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850  Angel Bailey, (301) 590-8314	CYCOM SCI/SL 98 AX5 5.03, Version 10084012  December 19, 1990	BINARY OPTION (FIPS 113)
			28. Cypher Communica- tions Technology, Inc. 15200 Shady Grove Rd. Suite 350 Rockville, MD 20850  Angel Bailey, (301) 590-8314	CYCOM SCI 182 AX7 5.05, Version 10084020  January 10, 1991	BINARY OPTION (FIPS 113)

## Message Authentication Code (MAC) Implementations, *Continued*

Vendor/Contact	Implementation	Validated Options
29. Digital Equipment Corporation Digital Drive - MK01-2/B06 Merrimack, NH 03054  Steve Lawrence, (603) 884-3445	PIN Pad 201 SMD Model: P003-120-XX  March 25, 1991	BINARY OPTION (FIPS 113)
30. Information Security Corporation 1141 Lake Cook Road Suite D Deerfield, IL 60015  Michael Markowitz, (708) 405-0500	DES Module used in SpyProof  July 10, 1991	BINARY OPTION (FIPS 113)
31. Digital Signature  Validated by Information Security Corporation 1115 N. East Avenue Oak Park, IL 60302  Michael Markowitz, (708) 405-0500	DES Module used in CryptMaster (3.20) and SecretAgent (1.00)  July 15, 1991	BINARY OPTION (FIPS 113)
32. The Exchange Systems 15395 SE 30th Place Bellevue, WA 98007- 6594  Robert Adamson, (206) 644-7000 X255	PCE-3000 (IBM PS/2 Microchannel)  January 8, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING
33. The Exchange Systems 15395 SE 30th Place Bellevue, WA 98007- 6594  Robert Adamson, (206) 644-7000 X255	PCE-1000 ISA Adaptor  January 9, 1992	BINARY OPTION (FIPS 113) CODED CHARACTERS; ENTIRE MESSAGE; NO EDITING CODED CHARACTERS; ENTIRE MESSAGE; EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; NO EDITING CODED CHARACTERS; EXTRACTED MESSAGE ELEMENTS; EDITING



## 7.8 FIPS 171, Key Management Validation Using ANSI X9.17

Vendor/Contact	Implementation	Validated Options	Vendor/Contact	Implementation	Validated Options
<p>1. LITRONICS Information Systems 2950 Redhill Avenue Costa Mesa, CA 92626</p> <p>(Originally validated by Codercard; rights transferred on September 11, 1990)</p> <p>Bob Gray, (714) 545-8649 James Prohaska, (703) 960-8068</p>	<p>Hardware: <u>Argus-PC</u>, Model: <u>CMS-100</u> Software: <u>Argus/MACE</u> <u>Software, Version:</u> <u>1.0</u></p> <p>September 23, 1988</p>	<p>No. of communicating pairs: <u>2</u> No. of manual (*)KKs per comm. pair: <u>2</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>YES</u> Number of auto. distr. (*)KKs shared: <u>UP TO 4</u> Number of KDs shared: <u>UP TO 8</u> 2 KDs in KSMS: <u>SOMETIMES</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMS: <u>ALWAYS</u> Action if EDC received in RSIs and ESMS: <u>NOT APPLICABLE</u> Send EDKs in KSMS: <u>SOMETIMES</u> Action on count error: <u>ADJUST COUNT</u> Send DSMS: <u>YES</u> Receive DSMS: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space &amp; CRLF as field delimiter: <u>NOT TESTED</u></p>	<p>3. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742</p> <p>John Gill, (617) 862-8035</p>	<p>Hardware: <u>CX5000</u> Software: <u>Version: 2.0</u> May 15, 1991</p>	<p>No. of communicating pairs: <u>1</u> No. of manual (*)KKs per comm. pair: <u>2</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>YES</u> Number of auto. distr. (*)KKs shared: <u>4</u> Number of KDs shared: <u>1</u> 2 KDs in KSMS: <u>NEVER</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMS: <u>ALWAYS</u> Action if EDC received in RSIs and ESMS: <u>NOT</u> <u>APPLICABLE</u> Send EDKs in KSMS: <u>NEVER</u> Action on count error: <u>ADJUST COUNT</u> Send DSMS: <u>YES</u> Receive DSMS: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space &amp; CRLF as field delimiter: <u>NOT TESTED</u></p>
<p>2. TECHNICAL COMMUNICATIONS CORPORATION 100 Domino Drive CONCORD, Massachusetts 01742</p> <p>John Gill, (617) 862- 8035</p>	<p>Hardware: <u>CX5000A</u> Software: <u>Version: 1.0</u> May 8, 1991</p>	<p>No. of communicating pairs: <u>1</u> No. of manual (*)KKs per comm. pair: <u>2</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>YES</u> Number of auto. distr. (*)KKs shared: <u>0</u> Number of KDs shared: <u>1</u> 2 KDs in KSMS: <u>NEVER</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMS: <u>ALWAYS</u> Action if EDC received in RSIs and ESMS: <u>NOT</u> <u>APPLICABLE</u> Send EDKs in KSMS: <u>NEVER</u> Action on count error: <u>ADJUST COUNT</u> Send DSMS: <u>YES</u> Receive DSMS: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space &amp; CRLF as field delimiter: <u>NOT TESTED</u></p>	<p>4. COMMUNICATION DEVICES, INC. 1 Forstmann Court Clifton, NJ 07011</p> <p>Gene Hartsell, (201) 772-6987</p>	<p>Hardware: <u>RSD/E</u> Software: <u>Version 7.2</u></p>	<p>No. of communicating pairs: <u>1</u> No. of manual (*)KKs per comm. pair: <u>1</u> Length of manual and auto. (*)KKs: <u>PAIR</u> Key generation capability: <u>NO</u> Number of auto. distr. (*)KKs shared: <u>0</u> Number of KDs shared: <u>1</u> 2 KDs in KSMS: <u>NEVER</u> Send RSI messages: <u>NOT</u> <u>TESTED</u> Receive RSI messages: <u>NOT</u> <u>TESTED</u> Notarization of keys in KSMS: <u>ALWAYS</u> Send odd parity on keys in KSMS: <u>ALWAYS</u> Send IVs in KSMS: <u>SOMETIMES</u> Send encrypted IVs in KSMS: <u>ALWAYS</u> Send EDCs in RSIs and ESMS: <u>ALWAYS</u> Action if EDC received in RSIs and ESMS: <u>NOT APPLICABLE</u> Send EDKs in KSMS: <u>NEVER</u> Action on count error: <u>ADJUST COUNT</u> Send DSMS: <u>YES</u> Receive DSMS: <u>YES</u> IDA in DSM if only one KD can be shared: <u>YES</u> Role assumed: <u>EITHER A OR B</u> Automatic error recovery: <u>NOT</u> <u>TESTED</u> Space &amp; CRLF as field delimiter: <u>NOT TESTED</u> Number of communicating pairs: <u>1</u> Number of manual (*)KKs per comm. pair: <u>2</u> Length of manual and</p>

## **APPENDIX A**

### **FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES**





## APPENDIX A

### FIPS CONFORMANCE TESTING PRODUCTS AND SERVICES

The purpose of this appendix is to provide information about products and services that are available to Federal Agencies for assessing products for conformance to FIPS.

The entries in this list identify the topic, the standard tested, the NIST contact, and the product or service offered. The letters T, S, or C in the Product/Service column indicate a test method, testing service, or certificate/registered report respectively.

<u>TOPIC</u>	<u>STANDARD</u>	<u>CONTACT</u>	<u>PRODUCT/SERVICE</u>
COBOL	FIPS PUB 21-3	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Fortran	FIPS PUB 69-1	Judy Kailey NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3259	T, S, C
Pascal	FIPS PUB 109	Carmelo Montanez (Technical) NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398 Judy Kailey (Scheduling) (301) 975-3259	T, S, C
C	FIPS PUB 160	Carmelo Montanez (Technical) NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2398 Judy Kailey (Scheduling) (301) 975-3259	T, S, C
Ada	FIPS PUB 119	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C
MUMPS	FIPS PUB 125	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T, S, C

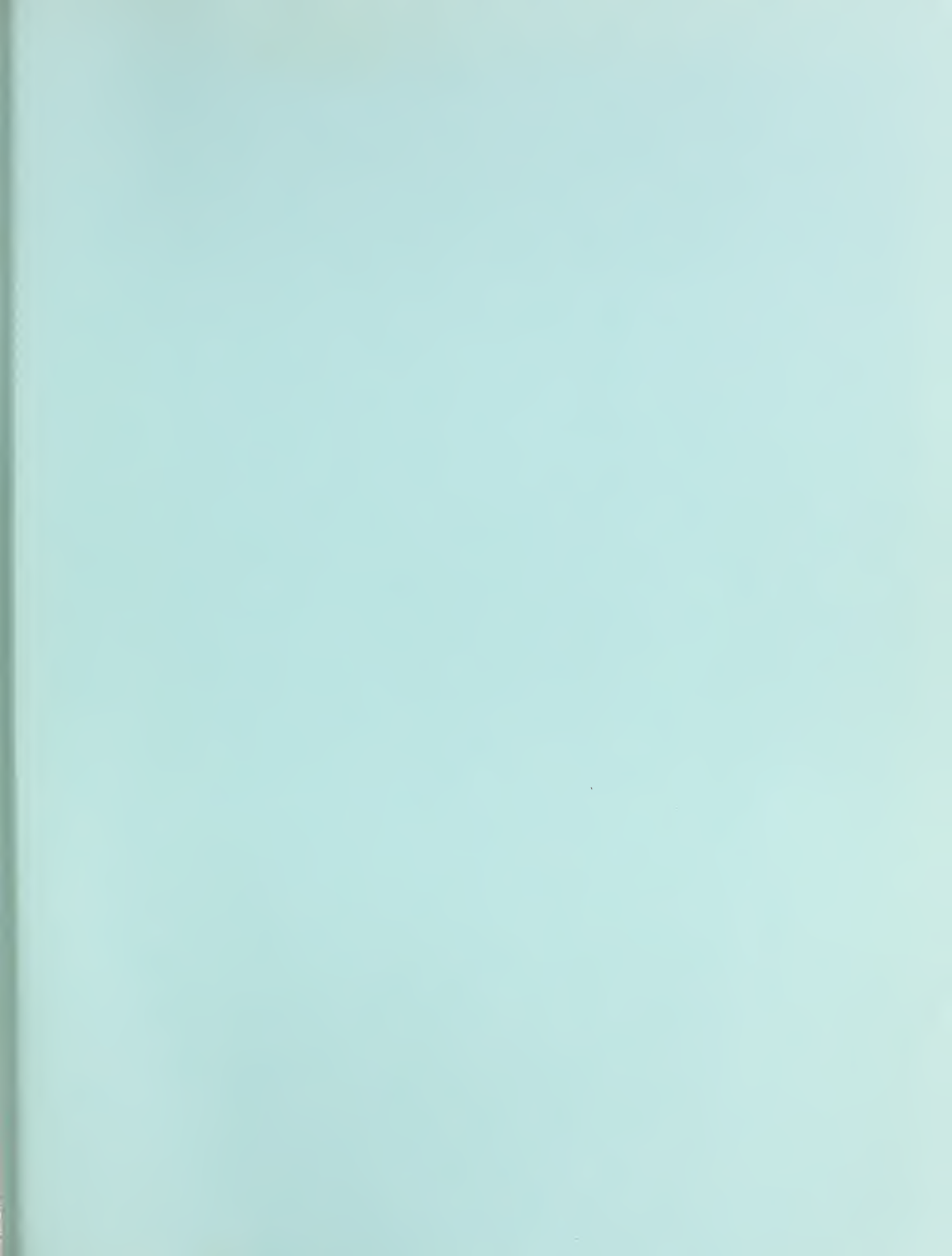


<u>TOPIC</u>	<u>STANDARD</u>	<u>CONTACT</u>	<u>PRODUCT/SERVICE</u>
SQL	FIPS PUB 127-1	Joan Sullivan NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3258	T, S, C
GKS	FIPS PUB 120	Susan (Quinn) Sherrick NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3268	T, S, C
CGM	FIPS PUB 128 MIL-D-28003	Lynne Rosenthal NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3353	T, S, C
PHIGS	FIPS PUB 153 ANSI/ISO 9592.1-1989	Kevin Brady NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3644	T, S, C
Raster	FIPS PUB 150 MIL-R-28002	Frank Spielman NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3257	T
IRDS	FIPS PUB 156	Alan Goldfine NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3252	T, S, C
POSIX	FIPS PUB 151-2	Martha Gray NIST, Bldg. 225, Rm. B266 Gaithersburg, MD 20899 (301) 975-3276	T, S, C
Message Authentication	FIPS PUB 113	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Key Management Validation	FIPS PUB 171 ANSI X9.17	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C
Data Encryption Standard	FIPS PUB 46-1	Miles Smid NIST, Bldg. 225, Rm. A216 Gaithersburg, MD 20899 (301) 975-2938	T, S, C

<u>TOPIC</u>	<u>STANDARD</u>	<u>CONTACT</u>	<u>PRODUCT/SERVICE</u>
GOSIP	FIPS PUB 146	J. P. Favreau NIST, Bldg. 225, Rm B217 Gaithersburg, MD 20899 (301) 975-3634	T, S
1984 X25	CCITT X.25-1984 ISO 7776, ISO 8208 ISO 8882, ISO 9646 FIPS PUB 100-1	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN	FIPS PUB 182	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Physical Layer	ANSI T1.605 (S/T Interface) ANSI T1.601 (U Interface)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Data Link Layer	CCITT Q.921 ANSI T1.602	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Network Layer	ANSI T1.607 ANSI T1.608 FIPS PUB	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
FDDI	ANSI X3T9	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T









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