NISTIR 4623

**Programming Languages
and Database Language SQL**

VALIDATED PROCESSOR LIST

**Including GOSIP
Conformance Testing Registers**

**Judy B. Kailey
Editor**

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

July 1991

(Supersedes April 1991 issue)

NIST

NISTIR 4623

Programming Languages and Database Language SQL

VALIDATED PROCESSOR LIST

Including GOSIP Conformance Testing Registers

Judy B. Kailey
Editor

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

TABLE OF CONTENTS

1. INTRODUCTION

1.1   Purpose

The Validated Processor List (VPL) identifies those COBOL, Fortran, Ada, and Pascal programming language processors that have a current validation certificate and those SQL language processors that have a registered test report, referencing the applicable Federal Information Processing Standard (FIPS) as of the date of this publication. The testing of language processors to determine the degree to which they conform to the Federal Standards is required by Government agencies as specified by the FIPS, Federal Information Resources Management Regulation (FIRMR) Parts 201.13 and 201.39, and the associated Federal ADP and Telecommunications Standards Index. Processors scheduled for validation or processors 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.

This List is updated and published periodically. The information contained herein is supplied by the contributors listed in Appendix A, and is current as of the tenth of the month preceding the publication date. Copies of the VPL may be obtained from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22151. 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

The Ada Information Clearinghouse, listed in Appendix A, maintains a current list of validated Ada processors.

1.2   Document Organization

1.2.1   Language Processors

Sections 2, 3, 4, 5, and 6 describe the COBOL, Fortran, Ada, Pascal, and SQL processors, respectively, that have been tested and include the following information:

- 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 Appendix A.

- 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.

1

- 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. 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. This 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 ENVIR column are other hardware and operating system environments in which the processor operates. 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.

- The word "Yes" in the NONCONFORMITIES column indicates that the processor did not conform to the applicable FIPS in one or more cases as evidenced by the validation. The requirements referenced in Section 1.1 above allows for certain processors to be validated with nonconformities, with the stipulation that the nonconformities are corrected and the processor is revalidated within one year. For SQL processors this column will include the number of errors for each interface. The VSR should be reviewed for details of the nonconformities.

- The PROCESSOR ID column for SQL processors contains the name of the processor, its version number, and the Expiry date of the Notification of Registration.

- The INTERFACES & COMPILERS column for SQL processors contains the names of associated interactive SQL or programming language interfaces, and identification of the programming language compilers that interface with the SQL processor.

1.2.2 Contributors to the VPL

Appendix A identifies contributors to the main body of the Validated Processor List.

1.2.3 Other FIPS Conformance Testing Products

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

1.2.4 GOSIP Registers

To implement FIPS 146 which specifies the Government Open Systems Interconnection Profile (GOSIP), it is necessary to establish policy and procedures for testing Federally procured data

communications products for conformance to standards and for interoperability. A FIPS has been proposed for GOSIP Conformance and Interoperation Testing and Registration to assist Federal agencies in procurement of GOSIP products. The FIPS provides for publicly accessible registers verifying supplier claims of conformance and documenting instances of interoperability of GOSIP conformant products. This publication includes the Register of GOSIP Conformance Testing Laboratories and the Register of Conformance Tested GOSIP Products in Appendix C, GOSIP CONFORMANCE TESTING REGISTERS. These and other GOSIP Registers are available as described in Appendix C.

1.3   FIPS Programming and Database Language Standards

As specified by the FIPS, FIRMR and the associated Federal ADP and Telecommunications Standards Index, Federal agencies acquire language processors that conform to the following programming and database language FIPS:

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. 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.

c. Pascal processors must satisfy the provisions of FIPS PUB 109, Pascal.

d. BASIC processors must satisfy the provisions of FIPS PUB 68-2, BASIC.

e. Ada processors must satisfy the provisions of FIPS PUB 119, Ada.

f. Mumps processors must satisfy the provisions of FIPS PUB 125, Mumps.

g. SQL processors must satisfy the provisions of FIPS PUB 127-1, Database Language SQL.

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

1.4   Validation of Processors

1.4.1   Validation Requirements

In accordance with the requirements referenced in Section 1.1, 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 or Database Language SQL. 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,

d. all deficiencies 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 an Ada processor to receive a Certificate of Validation the processor must successfully pass all applicable tests of the Ada Compiler Validation Capability (ACVC) 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 and database 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.

1.4.2 Placement in the List

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

a. have been officially validated within the past twelve calendar months, and

b. have no errors remaining that were identified during a previous test.

1.4.3 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.

1.4.4 Validation Procedures

Validation procedures are published in the following documents:

Compiler Validation Procedures, dated February 1, 1990
Ada Compiler Validation Procedures and Guidelines, Version 2.1, August, 1990
Language Processor Validation Procedures for SQL Validation Service (Trial Use Period)

1.5 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.

1.6   Registered Report

A registered Validation Summary Report 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. SQL processors are tested in accordance with procedures described in the NIST Language Processor Validation Procedures for SQL Validation Service (Trial Use Period).

1.7   Processor Validation Suites

The following is a list of the current versions of the validation suites, and ordering information for each one.

a. Copies of the COBOL, Fortran, and Ada Compiler Validation Suites may be purchased from the following organization using the ordering information provided below:

> National Technical Information Service (NTIS)
> 5285 Port Royal Road
> Springfield, VA 22151
> Telephone (703) 487-4750 (Voice)
>   (703) 321-8547 (FAX)

COMPILER VALIDATION SYSTEM [MEDIUM/FORMAT]	VERSION	NTIS ACCESSION NUMBER
COBOL 85 (CCVS85)	2.1	PB90-501925
Fortran (FCVS78)	2.0	PB85-226736
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

b. The current version of the Pascal Validation System (PVS) is Version 5.3 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 SQL Validation System is Version 2.0 and is available from:

National Institute of Standards and Technology (NIST)
Computer Systems Laboratory
Database and Graphics Group
Building 225, Room A266
Gaithersburg, MD 20899
Telephone (301) 975-3258, (301) 975-3267 (Voice)
            (301) 590-0932 (FAX)

2. COBOL PROCESSORS

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	SUBSET	OTHER ENVIR HW/OS	NONCON-FORMITIES
Bull HN Information Systems, Inc.	COBOLM Release 2.0 *NIST-90/1321*	DPS 6000 Model 634 *GCOS6 HVS Version 2.0*	2/1/92	High	DPS6/EMMU Series *GCOS6 Mod 400 Release 4.1* DPS6 PLUS Series *HVS6 PLUS Version 2.0* DPS 6000 Series *GCOS6 HVS Version 2.0*	Yes
	COBOL-85 Version 8C82.2 Update 1 *NIST-91/1681*	DPS-90 *GCOS8 Version 4020 Release 1*	6/1/92	High	DPS-9000, DPS-8000 *GCOS8 Version 4020 Release 1*	Yes
Concurrent Computer Corporation, Ltd.	COBOL Plus R00.00 *NIST/NCC-90/929*	Concurrent 3210 *OS/32 R08-03.1*	6/21/91	High	Concurrent Series 3200: 3200MPS 3203 3205 3210 3212 3230 3230SP 3230MPS 3240 3250SP 3260MPS 3280MPS 3280EMPS; MicroThree and MicroFive *OS/32 R08.03.1*	
	COBOL Plus R00.00 *NIST/NCC-90/930*	Concurrent MC5400 *RTU Version 5.0*	6/21/91	High	MC5520, MC5550, MC5300, MC5400, MC5600, MC5700, MC6300, MC6400, MC6600 and MC6700 families *RTU Version 5.0*	
Control Data Corporation	COBOL/VE Version 1.9 Release 90330 *NIST-91/1431*	CYBER 180-995 *NOS/VE Version 1.5.3 Level 765*	3/1/92	High	CYBER 180 Series; CYBER 2000 *NOS/VE Version 1.5.3 Level 765*	*Yes*
Digital Equipment Corporation	VAX COBOL Version 4.4 *NIST-90/2201*	VAX 8800 *VAX/VMS Version 5.4*	11/1/91	High	VAX 6000 Mod 200, 300, 400; VAX 8200, 8250, 8300, 8350, 8500, 8530, 8550, 8600, 8650, 8700, 8800, 8810, 8820, 8830, 8840, 8842, 8974, 8978, 9000; MicroVAX II, 2000, 3100, 3300, 3400, 3500, 3600, 3800, 3900; VAXstation II, 2000, 3100, 3200, 3500, 3520, 3540, 8000; VAXserver 3100, 3300, 3400, 3500, 3600, 3602, 3800, 3900, 6000-210, 6000-310, 6000-410, 6000-420; *VAX/VMS Version 5*	
Hewlett-Packard Company	COBOL/HP-UX Version X.03.50 *NIST-91/1661*	HP 9000 Series 840 *HP-UX Version 7.0*	5/1/92	High	HP 9000 Series 815, 822, 825, 832, 834, 835, 842, 845, 850, 852, 855, 860, 865, 870 *HP-UX Version 7.0*	Yes
	COBOL/HP-UX Version X.03.01 *NIST-91/1662*	HP 9000 Series 370 *HP-UX Version 7.0*	5/1/92	High	HP 9000 Series 318, 319, 320, 330, 332, 340, 350, 360, 370, 375, 400, 425 *HP-UX Version 7.0*	Yes
	COBOLII/XL Version A.04.02 *NIST-91/1663*	HP3000 Series 930 *MPE XL Version A.40.00*	5/1/92	High	HP3000 Series 920, 922, 925, 932, 935, 948, 949, 950, 955, 958, 960, 980/100, 980/200 *MPE XL Version A.40.00*	Yes
	COBOLII/V Version A.02.02 *NIST-91/1664*	HP3000 Series 70 *MPE/V Version G.03.09*	5/1/92	High	HP3000 Series 37, 40, 42, 48, 54, 58, 64, 68, 70, 3000LX, 3000RX, 3000XE *MPE/V Version G.03.09*	Yes

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	SUBSET	OTHER ENVIR HW/OS	NONCON-FORMITIES
IBM Canada, LTD.	AIX VS COBOL Compiler/6000 & AIX VS COBOL Run Time Env./6000 Version 1 Release 1 *NIST-91/1351*	IBM RISC System/6000 POWERstation 520 *AIX Version 3 for RISC System/6000 Version 3 Release 1*	2/1/92	High	IBM RISC System/6000 POWERstations 320, 520, 530, 550, 730; IBM RISC System/6000 POWERservers 320, 520, 530, 540, 930 *AIX Version 3 for RISC System/6000 Version 3 Release 1*	Yes
	COBOL/400 Version 1 Release 3.0 *NIST-90/2261*	AS/400 *OS/400 Version 1 Release 3.0*	11/1/91	Intermediate		
IBM Corporation	VS COBOL II Version 1 Release 3.2 *NIST-91/1441*	IBM 3090 *MVS/ESA Version 3 VM/ESA Version ESA, Release 1.0*	3/1/92	High	IBM 370, 390, 3000, 4300, 9000 *MVS/370 Version 1, MVS/XA Version 2, VM SP Release 6*	Yes
	VS COBOL II Version 1 Release 3.2 *NIST-91/1442*	IBM 4381 *VSE/ESA Version 1 Release 1*	3/1/92	Intermediate	IBM 370, 390, 3000, 4300, 9000 *VSE/ESA Version 1 Release 1*	Yes
	AIX PS/2 VS COBOL Version 1.1 *NIST-89/1891*	PS/2 Model 8580 *AIX PS/2 Version 1.1*	8/1/91	High	PS/2 Model 8570 *AIX PS/2 Version 1.1*	
	IBM System 88 COBOL Release 6.0 *NIST-89/1862*	IBM System 88 Model 84 *OS Release 6.0*	9/1/91	High	IBM System 88 Models 40, 50, 81, 82, 83, 85, 86 *OS Release 6.0*	
	RM/COBOL-85 for the AS/400 Version 3 *NIST-90/2105*	IBM AS/400 9406 *OS/400 Release 3 M00*	10/1/91	High		Yes
Micro Focus LTD	Micro Focus COBOL/2 Version 2.4 *NIST-90/1621*	IBM PS/2 Model 80 *IBM DOS Version 4.0* IBM PS/2 Model 80 *OS/2 Version 1.2* IBM PC/AT *IBM DOS Version 4.0*	8/1/91	High	IBM PS/2 55SX, 60, 70 *IBM DOS Version 4.0* IBM PS/2 55SX, 60, 70, 80 *IBM DOS Version 3.3* IBM PS/2 55SX, 60, 70 *OS/2 Version 1.2* IBM PS/2 55SX, 60, 70, 80 *OS/2 Version 1.1* IBM PC/XT *IBM DOS Version 4.0* IBM PC/AT, IBM PC/XT *IBM DOS Version 3.3*	
	Micro Focus COBOL/2 Version 1.1.0 *NIST/NCC-90/931*	Data General AViiON 5000 (Motorla 88000 Processor) *DG-UX Version 4.20*	7/1/91 *(pending)*	High		
	Micro Focus COBOL/2 Version 1.1.0 *NIST/NCC-90/932*	Texas Instruments Bs1500 (Motorola 68020 Processor) *Texas Instruments System V3.2*	7/1/91 *(pending)*	High		
	Micro Focus COBOL/2 Version 1.1.0 *NIST/NCC-90/933*	Texas Instruments BS1300 (Intel 80386 processor) *Xenix System V Release 2.2*	7/1/91 *(pending)*	High	IBM PS2 model 80; Zenith 1000; Compaq 386 *SCO Xenix Versions 2.2-2.3*	
	Micro Focus COBOL/2 Version 1.1.0 *NIST/NCC-90/934*	Hewlett-Packard 9000/800 Model 840 (RISC Spectrum Processor) *HP-UX Release A.B3.00*	7/1/91 *(pending)*	High	HP9000/825, 835, 850, 855 *HP-UX Release 3.0*	

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	SUBSET	OTHER ENVIR HW/OS	NONCON-FORMITIES
	Micro Focus COBOL/2 Version 1.1.0 NIST/NCC-90/935	AT&T 3B2/1000 (Western Electrics 32000 processor) *Unix System V Version 3.2.2*	7/1/91 *(pending)*	High	AT&T 3B2 310/400/500 /600/700 AT&T 3B1000 60/70/80 AT&T 3B15 *Unix System V Versions 3.2.2*	
	Micro Focus COBOL/2 Version 1.1.0 NIST/NCC-90/939	Elonex 386 (Intel 80386) *SCO Unix 386 Version 3.2*	7/1/91 *(pending)*	High	Altos 386/2000, 386/3000 *Unix System V Version 5.3* AT&T WG2 6386 *Unix System V Version 3.2* Unisys 6000/50 *Unix Version 2.0* ICL DRS300 *DRS/NX Version 3.0* Philips PG130 *Unix System V Version 3.0* Prime 386 EXL-316 *Unix System V/386 Release 3.0* JDR 386 *SCO Unix System V Version 3.2*	
	Micro Focus COBOL/2 Version 1.1.0 NIST/NCC-90/936	Motorola 68030 (Motorola 68030 processor) *Unix System V/68 Release BSE Version 880617*	7/1/91 *(pending)*	High		
	Micro Focus COBOL/2 Version 1.1.0 NIST/NCC-90/937	SUN4/260 (Sparc Risc) *SUNOS Release 4.0*	7/1/91 *(pending)*	High		
	Micro Focus COBOL/2 Version 1.1.0 NIST/NCC-90/938	Siemens MX300 (Nat Semi 32000) *Sinix-H Version 5.2*	7/1/91 *(pending)*	High		
	Micro Focus COBOL/2 Version 1.1.0 NIST/NCC-90/940	IBM 4381 700 *UTS Version 1.1 (amdahl)*	7/1/91 *(pending)*	High	Fujitsu Facom - M760 *Uts System V Release 5*	
Microsoft Corporation	Microsoft COBOL Version 4.0 NIST-90/1622	IBM PS/2 Model 80 *IBM DOS Version 4.0*	8/1/91	High	IBM PS/2 55SX, 60, 70 *IBM DOS Version 4.0* IBM PS/2 55SX, 60, 70, 80 *IBM DOS Version 3.3*	
		IBM PS/2 Model 80 *OS/2 Version 1.2*			IBM PS/2 55SX, 60, 70 *OS/2 Version 1.2* IBM PS/2 55SX, 60, 70, 80 *OS/2 Version 1.1*	
		IBM PC/AT *IBM DOS Version 4.0*			IBM PC/XT *IBM DOS Version 4.0* IBM PC/AT, IBM PC/XT *IBM DOS Version 3.3*	
		IBM PC/AT *OS/2 Version 1.2*			IBM PC/AT *OS/2 Version 1.1*	
		Compaq 386 *IBM DOS Version 4.0*			Compaq 386 *IBM DOS Version 3.3*	
		Compaq 386 *OS/2 Version 1.2*			Compaq 386 *OS/2 Version 1.1*	
NCR Corporation	VCOBOL85 Version 15 Release 1.03.00 NIST-90/2141	NCR 9844 *VRX/E Version 2.0 Release VE2.20.11*	9/1/91	High	NCR 8500/8600/8800 *VRX/E Version 2.0 Release VE2.20.11*	

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	SUBSET	OTHER ENVIR HW/OS	NONCON-FORMITIES
	ITX COBOL 85 Release ITX 7.0 *NIST-90/2142*	ITX 9400 *ITX Release ITX 7.0*	9/1/91	High	ITX System 9000, System 10000 *ITX Release ITX 7.0*	
Prime Computer, Inc.	COBOL85 Version 1.1.1-22.0 *NIST-90/2281*	P9955 - 64V mode machine architecture *PRIMOS Version 22.1.3*	12/1/91	Intermediate	Prime 50-Series machines 64V-mode machine architecture *PRIMOS Version 22.1.1*	
Pyramid Technology Corporation	COBOL 85 Release 5.0 *NIST-90/1341*	MIS/2-2 *OSx Release 5.0*	7/1/91 *(pending)*	High		Yes
Realia, Inc.	Realia COBOL Version 4.1 *NIST-91/1421*	Compaq 486/25 *DOS Version 4.0* *OS/2 Version 1.2* IBM PC/AT *DOS Version 4.0* *OS/2 Version 1.2*	2/1/92	Intermediate	Compaq: Systempro, Deskpro 386, Deskpro 286, Portable 386, Portable III, SLT/286, LTE/286; *DOS Version 4.0;* *OS/2 Version 1.2* IBM PS/2 55SX, 60, 70, 80, 90; PC/XT *DOS Version 4.0;* *OS/2 Version 1.2*	Yes
Ryan McFarland Corporation	RM/COBOL-85 Version 5.00.00 *NIST-90/2101*	IBM PS/2 Model 80 *PC/DOS Version 4.01*	10/1/91	High		
	RM/COBOL-85 Version 5.00.00 *NIST-90/2102*	NCR PC925 *SCO Unix System V/386 Release 3.2.0*	10/1/91	High	NCR PC925 *Interactive Unix System V/386 Release 2.2*	
	RM/COBOL-85 Version 5.00.00 *NIST-90/2103*	NCR PC486/MC *AT&T Unix V.4 Version i386 Release 0.00.00.08*	10/1/91	High		
	RM/COBOL-85 Version 5.00.00 *NIST-90/2104*	IBM RISC System/6000 *AIX Version 3*	10/1/91	High		
	RM/COBOL-85 Version 5.00.00 *NIST-90/2106*	HP 9000 Model 325 *HP-UX Version 7.0*	10/1/91	High		
	RM/COBOL-85 Version 5.00.00 *NIST-90/2107*	HP 9000 Model 825 *HP-UX Version 7.0*	10/1/91	High		
	LPI-COBOL Version 06.06.00 *NIST-91/1401*	NCR PC486/MC (System 3340) *UNIX V/386 Release 4.0 Version 01.00.00.08*	6/1/92	High		
	LPI-COBOL Version 06.09.01 *NIST-91/1402*	Prime EXL 320 *UNIX V/386 Release 3.1*	6/1/92	High	Prime EXL 316 *UNIX V/386 Release 3.1*	
	LPI-COBOL Version 06.09.01 *NIST-91/1403*	Everex 386 (AGI 3000D) *UNIX V/386 Release 3.2*	6/1/92	High		
Sequent Computer Systems, Inc.	ptx/COBOL Version 1.1ap *NIST-90/2181*	Sequent Symmetry S16 *Dynix/ptx Version 1.2*	9/1/91	High	Sequent Symmetry S3, S16, S27, S81 *Dynix/ptx Version 1.1, 1.2*	

COBOL PROCESSORS *Continued*

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	SUBSET	OTHER ENVIR HW/OS	NONCON-FORMITIES
Stratus Computer, Inc.	VOS COBOL Release 10.0 *NIST-89/1861*	Stratus XA2000 Model 150 *VOS Release 9.0*	9/1/91	High	Stratus XA2000 Models 110, 120, 130, 140, 160; XA400/ XA440; XA2000 Model 100 *VOS Release 9.0*	
Sun Microsystems	SUN COBOL Version 1.0 *NIST-90/2201*	Sun Sparcstation 1+ *SUNOS Version 4.1*	12/1/91	High	Sparcstation SLC, IPC, 1, 330, 370, 470; Sparcserver 1+, 330, 370, 470, 390, 490 *SUNOS Version 4.1, 4.03, 4.1.1*	Yes
Tandem Computers Inc.	COBOL85 Version C30 *NIST-91/1461*	Nonstop VLX *Guardian 90 Version C30*	3/1/92	High	NonStop Cyclone, NonStop TXP, CLX, EXT *Guardian 90 Version C30*	Yes
UNISYS Corporation	NPE COBOL (UCOB) Version 4R1B Release SB3R4 *NIST-89/1721*	1100/90 *1100 OS Exec Version 41R5 Release SB3R4*	8/1/91	High	2200 Series *1100 OS Exec Version 41R6 Release SB3R4*	
	A Series COBOL ANSI-85, Version 2.0 *NIST-90/2161*	Unisys A5 *MCP/AS MARK 3.9*	9/1/91	High	Unisys Micro A, A1, A2, A3, A4, A5, A6, A9, A10, A12, A15, A17/A19; *MCP/AS MARK 3.9* Unisys A Series: A5 *MCP MARK 3.9*	
	Micro Focus COBOL/2 Version 1.1 Release 2 *NIST-91/1241*	U6000/70 *Unix System V Release 3.2*	1/1/92	High	U6000/10 /WS /31 /51 /55 /60 /80 *Unix System V Release 3.2*	Yes
Wang Laboratories, Inc.	VS COBOL 85 Version 2.10.07 *NIST-90/2301*	WANG VS 300 *VS OS Version 7.30.00*	11/1/91	High	VS 5, 6, 15, 25, 45, 65, 85, 90, 100, 300; 5000, 7000, 8000, 10000 Series *VS OS Version 7.20.00-07.21.03* VS 300, 7000, 8000, 10000 Series *VS OS Version 7.30.00*	

3. FORTRAN PROCESSORS

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON-FORMITIES
Alliant Computer Systems Company	FX/Fortran Version 4.2 *NIST-90/1802*	FX/80 *Concentrix Version 5.5*	11/1/91	Full	FX/1, FX/4, FX/8, FX/40, FX/82; VFX/4, VFX/40, VFX/80, VFX/82 *Concentrix Version 5.5*	
	FX/Fortran-2800 Version 1.0 *NIST-90/1801*	FX/2800 *Concentrix Version 1.1*	11/1/91	Full		
Amdahl Corporation	Amdahl Fortran 77 Version 10 Level 31 *NBS/ICST-88/3561A*	Amdahl 5860 *IBM MVS/SP Version 2.2.0*	12/1/91	Full	Amdahl 580, Amdahl Vector Processor *IBM MVS/SP Version 2*	
	Amdahl Enhanced Fortran 77 Version 10 Level 31 *NBS/ICST-88/3565A*	Amdahl 5860 *UTS Version 1.2*	12/1/91	Full	Amdahl 580, 5890, 5990 *UTS Version 1.2*	
	Amdahl Fortran 77/VP Version 10 Level 30 *NBS/ICST-88/3562A*	Amdahl 1200E *IBM MVS/SP Version 2.2.0*	12/1/91	Full	Amdahl 580 Amdahl Vector Processor *IBM MVS/SP Version 2*	
Apple Computer, Inc.	A/UX Fortran 77 Version 2 Release 2.0.1 *NIST-91/1741*	Apple Macintosh IIfx w/Motorola MC68030 CPU and MC68882 FPU *A/UX Version 2 Release 2.0.1*	6/1/92	Full	Macintosh IIci,IIcx,SE30,IIx; Mac IIsi w/MC68882 FPU; Mac II w/MC68882 PMMU *A/UX Version 2 Release 2.0.1*	
Bull HN	FORTRANA Release R3.0 *NIST-90/1322*	DPS6 PLUS Model 634 *GCOS6 HVS Version 2.0*	2/1/92	Full	DPS6/EMMU Series *GCOS6 Mod 400 Release 4.1* DPS6 PLUS Series *HVS6 PLUS Version 2.0* DPS 6000 Series *GCOS6 HVS Version 2.0*	
	Fortran 77-ESV Version 8FV4.1 Update 0 *NIST-91/1682*	DPS-9000 *GCOS8 Version SR40201 (with SR40004)*	6/1/92	Full	DPS-90, DPS-8000 *GCOS8 Version SR40201 (with SR40004)*	
	Fortran SXL-3001 Version 01.00 *BIA/90/001*	DPX/2 210 *B.O.S. Versions 01.01 and 02.00*	11/15/91	Full	DPS/2 200 and 300 *B.O.S. Versions 01.01 and 02.00*	
Concurrent Computer Corporation	SP-2450 (Fortran 77) Version 2.0 *NIST-90/1001*	MC 5600 w/MC68881 and Lightning floating point hardware *RTU Version 5.0*	5/1/92	Full	MC5300, MC5400, MC5450, MC5700, w/MC68881 and Lightning floating point hardware *RTU Version 5.0*	
	SP-2450 (Fortran 77) Version 2.0 *NIST-90/1002*	MC 6300 w/MC68882 and Lightning floating point hardware *RTU Version 5.0*	5/1/92	Full	MC6350, MC6400, MC6450, MC6600, MC6700, MC6750 w/MC68882 and Lightning floating point hardware *RTU Version 5.0*	
	SP-2450 (Fortran 77) Version 1.7 *NIST-90/1003*	MC 8500 *RTU Version 5.1*	5/1/92	Full	MC8400 *RTU Version 5.1*	
	Fortran VII Z Version R06 Release 00 *NIST-90/1501*	3280 MPS *OS/32 Version R08 Release 03*	7/1/92	Full	3205, 3210, 3220, 3230, 3240, 3250, 3230XP, 3230MPS, 3260MPS, 3280E MPS; 8/32; Micro 3200CS*, Micro 3200ES*, Micro 3200 MPS* *OS/32 Version R08 Release 03*	

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON-FORMITIES
	Fortran VII O Version R06 Release 00 NIST-90/1502	3280 MPS OS/32 Version R08 Release 03	7/1/92	Full	3205, 3210, 3220, 3230, 3240, 3250, 3230XP, 3230MPS, 3260MPS, 3280E MPS; 8/32; Micro 3200CS*, Micro 3200ES*, Micro 3200 MPS* OS/32 Version R08 Release 03	
Control Data Corporation	Fortran/VE 1 Version 1.7 Release 90325 NIST-91/1432	CYBER 180-995 NOS/VE Version 1.5.3 Level 765	4/1/92	Full	CYBER 180 Series; CYBER 2000 NOS/VE Version 1.5.3 Level 765	
	Fortran/VE 2 Version 2.5 Release 90325 NIST-91/1433	CYBER 180-995 NOS/VE Version 1.5.3 Level 765	4/1/92	Full	CYBER 180 Series, CYBER 2000 NOS/VE Version 1.5.3 Level 765	
Convex Computer Corporation	Convex Fortran Version 6.1 NIST-91/1521	Convex C-240 ConvexOS Version 9.0	4/1/92	Full	Convex C-Series Convex OS Version 8.1	
Cray Research, Inc.	CF77 Compiling System Release 4.0.2 NIST-91/1101	Cray X-MP Cray-2S 4/128 Cray Y-MP/832 UNICOS Release 5.1 Cray X-MP/48 COS Release 1.17 Rev 1	2/1/92	Full	Cray X-MP EA and Y-MP ser. in X-mode; Cray 1 and X-MP ser.; Cray-2S ser., Cray-2 ser; Cray Y-MP ser., Cray X-MP EA ser. UNICOS Release 5.1 Cray 1 and X-MP Series COS Release 1.17 Rev 1	
Digital Equipment Corporation	VAX Fortran Version 5.0 NBS/ICST-88/2821	VAX 8800 VMS Version 5.0	7/1/91	Full	VAX, MicroVAX, VAXStation VMS Version 5.0	
	VAX Fortran/ ULTRIX Version 4.7 NBS/ICST-88/2822	VAX-11/785 ULTRIX-32 Version 2.2	7/1/91	Full	VAX, MicroVAX Series Ultrix-32 Version 2.2	
Edinburgh Portable Compilers LTD	EPC Fortran 77 Version 2.5 NIST/NCC-90/945	Solbourne Series 5/500 w/Sparc Processor Sun OS Version 4	11/1/91	Full	Solbourne Series 5/600, 5/800, 5E/900, S/4000 Sun OS Version 4	
	EPC Fortran 77 Version 2.5 NIST/NCC-90/946	Data General AV410C DG/UX 4.30	11/1/91	Full	Data General AV3200, AV4000, AV4020, AV4100, AV4120, AV5010, AV5200, AV5220, AV6200, AV6220, AV6200-20, AV200, AV300, AV310, AV400, AV402, AV412 DG/UX 4.30	
	EPC Fortran 77 Version 2.5 NIST/NCC-90/947	ICL DRS IXP 95 w/80486/80487 ICL DRS/NX V.4.0 (IXP) UNIX	11/1/91	Full		
	EPC Fortran 77 Version 2.5 NIST/NCC-90/948	ICL DRS 6000 ICL DRS/NX V.4.0 UNIX	11/1/91	Full		
Electronic Data Systems Corporation	SVS Fortran/Unix Version 2.8 NIST-91/1401	Prime EXL 320 Prime Unix V/386 Release 3.1	5/1/92	Full		Yes

VENDOR	PROCESSOR ID & VSR #	HARDWARE & *OPERATING SYSTEM*	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON- FORMITIES
	SVS Fortran/Unix Version 2.8 *NIST-91/1402*	Everex AGI System 3000 D *Interactive Unix V/386* *Release 3.2*	5/1/92	Full		Yes
Encore Computer Corporation	Fortran 77 Version 2.1 *NIST-91/1551*	Multimax 320 *UMAX V Version 2.4* *MACH Version 1.0* *UMAX 4.3 Version R4.1*	4/1/92	Full	Multimax 310, 510, 520 *UMAX V Version 2.4* *MACH Version 1.0* *UMAX 4.3 Version R4.1*	
	Parallel Fortran Plus Version 1.0 *NIST-91/1552*	Encore 91 *UMAX V Version 3.0*	4/1/92	Full		
	Fortran-77+ Version 5.0C *NIST-91/1541*	Concept 32/97 *MPX-32 Version 3.5u01*	4/1/92	Full	Concept 32/67, 32/2040, 32/2030, 32/2050 *MPX-32 Version 3.5u01*	
	GCF Version 2.0 *NIST-91/1542*	Concept 32/97 *MPX-32 Version 3.5u01*	4/1/92	Full	Concept 32/67, 32/2040, 32/2030, 32/2050 *MPX-32 Version 3.5u01*	
Fujitsu America, Inc.	Fortran 77-M Version 10 Level 31 *NBS/ICST-88/3561*	Amdahl 5860 *IBM MVS/SP Version 2.2.0*	12/1/91	Full	Amdahl 580; Amdahl Vector Processor *IBM MVS/SP Version 2*	
	Fortran 77/VP-M Version 10 Level 30 *NBS/ICST-88/3562*	Amdahl 1200E *IBM MVS/SP Version 2.2.0*	12/1/91	Full	Amdahl Vector Processor; Amdahl 580 *IBM MVS/SP Version 2*	
	Fortran 77 Version 10 Level 31 *NBS/ICST-88/3563*	Amdahl 1200E *VSP Version 10*	12/1/91	Full	FACOM M *FACOM OS IV/F4 MSP Edition 20* FACOM VP; Amdahl Vector Processor *VSP Version 10*	
	Fortran 77/VP Version 10 Level 30 *NBS/ICST-88/3564*	Amdahl 1200E, FACOM VP *VSP Version 10*	12/1/91	Full	FACOM M *FACOM OS IV/F4 MSP Edition 20* FACOM VP; Amdahl Vector Processor *VSP Version 10*	
	UTS Fortran 77 Version 10 Level 31 *NBS/ICST-88/3565*	Amdahl 5890 *UTS Version 1.2*	12/1/91	Full	Amdahl 580 *UTS Version 2.0* FACOM M *UTS/M Version 10* FACOM S3000 *UTS/S Version 10*	
	UTS Fortran77 EX Version 10 Level 10 *NIST-91/1381*	Fujitsu M760 *UTS/M Version 22 Level 10*	2/1/92	Full	Fujitsu M780 *UTS/M Version 22 Level 10*	
	UTS Fortran77 EX Version 10 Level 10 *NIST-91/1382*	Amdahl 5990 Amdahl *UTS Version 2* *Release 1*	2/1/92	Full	Amdahl 5990 *Amdahl UTS Version 2*	
	OSIV/MSP Fortran77 Version 11 Level 10 *NIST-91/1383*	Fujitsu VP100E *OSIV/F4 MSP Edition 20*	2/1/92	Full	Fujitsu M780; M760 *OSIV/F4 MSP Edition 20*	
	OSIV/MSP Fortran77 Version 11 Level 10 *NIST-91/1384*	Amdahl 5990 *IBM MVS/SP Version 3* *Release 1.3*	2/1/92	Full	IBM 3090/200E *MVS/SP Version 2 Release 2.3*	
Hewlett-Packard Company	HP 9000 S300 Fortran 77 Version A.07.40 *NIST-91/1021*	HP9000 Model 345 *HP-UX Version A.07.05*	1/1/92	Full	HP9000, Models 370, 360, 375, 332, 350; 425T, 433S *HP-UX Version A.07.05*	

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON-FORMITIES
	HP 9000 S700 Fortran 77 Version A.08.01 NIST-91/1022	HP9000 Model 840 HP-UX Version A.07.00	1/1/92	Full		
	HP 9000 S700 Fortran 77 Version A.08.10 NIST-91/1023	HP9000 Model 720 HP-UX Version A.08.00	1/1/92	Full		
	HP Fortran 77/XL Version A.03.11 NIST-91/1024	HP3000 Model 930 MPE XL Version A.05.10	1/1/92	Full	HP3000, Models 922, 925, 930, 932, 935, 949, 950, 955, 960, 980, 980/100 MPE XL Version A.02.20	
	HP Fortran 77/V Version A.02.05 NIST-91/1025	HP3000 Model 68 MPE/V Version G.03.09	1/1/92	Full	HP3000, Models MICRO 3000, MICRO 3000XE, 52, 58, 70, 72 MPE/V Version G.03.09	
Apollo Systems Division of Hewlett-Packard	Domain Fortran Version 10.8 NIST-90/2001	DN10000 Domain OS Version SR10.3	10/1/91	Full	DN300, DN320, DN330, DN460, DN550, DN560, DN570, DN580, DN590, DN660, DN2500, DN3000, DN3500, DN4000 Domain OS Version SR10.3	
IBM Canada, LTD	XL Fortran Compiler /6000 & XL Fortran Run Time Env. /6000 Version 2 Release 1 NIST-91/1341	IBM RISC System/6000 Model 530 AIX V3 for RISC System/6000 Version 3 Release 1	3/1/92	Full	IBM RISC System/6000 Models 320, 520, 540, 550, 730, 930 AIX V3 for RISC System/6000 Version 3 Release 1	
	VS Fortran Version 1 Release 1 NIST-90/2121	IBM PS/2 IBM AIX Version 1 Release 1	10/1/91	Full		Yes
	VS Fortran Version 1 Release 1 NIST-91/1701	IBM RT AIX Version 2 Release 1	5/1/92	Full		
IBM Corporation	IBM Fortran/2 Version 1.02 NBS/ICST-88/3420	IBM PS/2 Model 80 OS/2 Version 1.00 DOS Version 4.00	10/1/91	Full		
	VS Fortran Version 2 Release 5 NIST-90/1821	IBM 4381 VM/SP HPO Version 1 Release 5	8/1/91	Full	S/370, 30xx, 43xx, 93xx VM/SP Version 1, Release 4 VM/XA Version 1, Release 1	
	VS Fortran Version 2 Release 5 NIST-90/1822	IBM S/370 3090 MVS/SP Version 3 Release 1	8/1/91	Full	S/370, 30xx, 43xx, 93xx MVS/SP Version 1, Release 3 MVS/SP Version 2, Release 1	
	VS Fortran Version 2 Release 5 NIST-90/1823	IBM 3090 AIX/370 Version 1 Release 2	8/1/92	Full	S/370, 30xx, 43xx, 93xx AIX/370 Version 1, Release 2	
	IBM RT PC Fortran 77 Version 1.02.0000 OIT/FSMC-86/3780	IBM RT PC IBM RT PC AIX Version 01.02.0000	8/1/91	Full		
	IBM RT PC VS Fortran Version 1.1.0 NIST-89/1441	IBM RT PC IBM RT PC AIX Version 2.2.1	5/1/92	Full		
Language Systems Corporation	Language Systems Fortran Version 2.1 NIST-90/1921	Apple Macintosh IIfx Macintosh OS Version 6.0.5	9/1/91	Full	Apple Macintosh IIcx Macintosh OS Version 6.0.5	

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON-FORMITIES
Microsoft Corporation	Microsoft Fortran Version 5.1 *NIST-91/1841*	IBM PS/2 Model 80/386, 80387 math co-processor *MS-DOS Version 5.0* COMPAQ DESKPRO 486/25 *OS/2 Version 1.2* COMPAQ 286, 80287 math co-processor *DOS Version 3.31* Everex 386, 80287 math co-processor *DOS Version 3.31*	7/1/92	Full		
MIPS Computer Systems, Inc.	MIPS Fortran Version 2.20 *NIST-91/1221*	M/2000 *RISC/os Version 4.51*	1/1/92	Full	M/500, M/800, M/1000, M/120, RC3230, RS3230, RC3260, RC3260 (Genesis 25), RC3240, RC2030, RS2030, RC6280, RC6260 *RISC/os Version 4.51*	
Modular Computer Systems	MODCOMP GLS-F77 Release A.0 *NIST-89/1961*	MODCOMP 9730 *REAL/IX Release A.0*	9/1/91	Full	MODCOMP 9720, 9740 *REAL/IX Release A.0*	
	MODCOMP Fortran 77/32 Release B.2 *NIST-89/1962*	MODCOMP 32/87 *MAX 32 Release D.0*	9/1/91	Full	MODCOMP 32/85, 9230, 9250 *MAX 32 Release D.0*	
	MODCOMP Fortran 77/16 Release B.2 *NIST-89/1963*	MODCOMP Classic 7860 *MAX IV Release K.0*	9/1/91	Full	MODCOMP 32/85, 32/87, 9230, 9250 *MAX IV Release K.0*	
NKR Research, Inc.	NKR Fortran Version 3.2.0 *NIST-90/1881*	Motorola Delta Series 3000, MC68030 w/MC68881/2 co-processor *UNIX System V/68 Version 890128 Release R3V5*	9/1/91	Full		
Prime Computer, Inc.	Fortran 77 Release T3.0-23.0 *NIST-91/1721*	Prime Model 9955 *Primos Revision 23.0*	5/1/92	Full	2350, 2450, 2355, 4050, 4150, 4450, 6150, 6350, 6550, 2550, 2655, 2755, 9650, 9655, 9750, 9755, 9950, 9955-II, 5310, 5320, 5330, 5340 w/32IX-mode arch.; 2350, 2450, 2355, 4050, 4150, 4450, 6150, 6350, 6550, 2250, 2550, 2655, 2755, 9650, 9655, 9750, 9755, 9950, 9955-II, 750, 850, 5310, 5320, 5330, 5340 w/32I-mode arch. 2350, 2450, 2355, 4050, 4150, 4450, 6150, 6350, 6550, 2250, 2550, 2655, 2755, 9650, 9655, 9750, 9755, 9950, 9955-II, 750, 850, 5310, 5320, 5330, 5340 w/64V-mode arch. *PRIMOS Revision 23.1*	
Pyramid Technology Corporation	Fortran-77 Release 5.0 *NIST-90/1342*	MIS/2-2 *OSx Release 5.0*	7/1/91	Full		

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON-FORMITIES
Sequent Computer Systems	ptx/Fortran Version 1.8p *NIST-90/2182*	Sequent Symmetry S16 *Dynix/ptx Version 1.2*	9/1/91	Full	Sequent Symmetry Series S3, S16, S27, S81 *Dynix/ptx Version 1.1, 1.2*	
Siemens Nixdorf Informations-systeme AG	FOR1 V2.1A *GMD/VAL-91-003*	Siemens 7.540-W *BS2000 V9.5A* *Siemens 7.592-I* *BS2000 V10.0A*	2/1/92	Full		
	Sinix Fortran 77 V1.1A, V1.2A, V1.2B *GMD/VAL-91-009*	MX500-F *Sinix-F V5.21* *MX300-H* *Sinix-H 5.23* *MX300-L* *Sinix-L V5.4* *WX200-K* *Sinix-ODT V1.5*	2/1/92	Full		
Silicon Graphics Computer Systems Inc.	Fortran 4D77 Release S4-FTN 1-4.0 *NIST-91/1201*	IRIS 4D/25 *IRIX 4D1-4.0*	3/1/92	Full	IRIS 4D/20, 4D/25, 4D/35, 4D/70, Power Series *IRIX 4D1-4.0*	
Sun Microsystems, Inc.	Sun Fortran (FOR-1.4-4-3-5) Version 1 Release 4 *NIST-91/1301*	SUN-3/80 w/MC 68882 *SUNOS (SM3-07) Version 4 Release 1*	3/1/92	Full	SUN-3/470, SUN-3/480; SUN-3/60, SUN-3/180, SUN 3/260 w/MC 68882 *SUNOS (SM3-07) Version 4 Release 1*	
	Sun Fortran (FOR-1.4-4-4-5) Version 1 Release 4 *NIST-91/1302*	SPARCstation 2 (SUN-4/75) w/FPU (TI TMS390C602A) *SUNOS (SS2-07) Version 4 Release 1*	3/1/92	Full	SPARCserver 2 (SUN-4/75X) w/FPU (TI TMS390C602A) *SUNOS (SS2-07) Version 4 Release 1*	
	Sun Fortran (FOR-1.4-4-4-5) Version 1 Release 4 *NIST-91/1303*	SPARCserver 330 (SUN-4/330) w/FPU2 (TI 8847) *SUNOS (SS2-07) Version 4 Release 1*	3/1/92	Full	SPARCserver 470 (SUN-4/470) w/FPU2 (TI 8847) *SUNOS (SS2-07) Version 4 Release 1*	
	Sun Fortran (FOR-1.4-4-4-5) Version 1 Release 4 *NIST-91/1304*	SPARCserver 490 (SUN-4/490) w/FPU2 (TI 8847) *SUNOS (SS1-07) Version 4 Release 1*	3/1/92	Full		
	Sun Fortran (FOR-1.4-4-4-5) Version 1 Release 4 *NIST-91/1305*	SPARCstation IPC (SUN-4/40) w/FPU (WEITEK 3172) *SUNOS (SS2-07) Version 4 Release 1*	3/1/92	Full	SPARCstation SLC (SUN-4/20); SPARCstation 1+ (SUN-4/65) w/FPU (WEITEK 3172) *SUNOS (SS2-07) Version 4 Release 1*	
Tandem Computers, Inc.	Fortran (f77) Version 1.0 Release A01 *NIST-90/1602*	Integrity S2 *Non Stop-UX Version 1.0 Release A01*	7/1/91	Full		
Unisys Corporation	NPE Fortran (UFTN) Version 3R1B Release SB3R4 *NIST-89/1722*	1100/90 *1100 OS EXEC Version 41R5 Release SB3R4*	8/1/91	Full	2200 Series *1100 OS Exec Version 41R6 Release SB3R4*	
	A Series Fortran77 Version 3.8 *NIST-89/2302*	Unisys A5 *MCP/AS MARK 3.8*	10/1/91	Full	Unisys Micro A, A1, A2, A3, A4, A5, A6, A9, A10, A12, A15, A17 *MCP/AS, MARK 3.8*	

VENDOR	PROCESSOR ID & VSR #	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	LEVEL	OTHER ENVIR HW/OS	NONCON-FORMITIES
	SVS Fortran Version 2.8 Release 2 *NIST-91/1242*	U6000/70 *Unix System V Release 3.2*	1/1/92	Full	U6000/10 /31 /51 /55 /60 /80 /WS *Unix System V Release 3.2*	
University of Salford	FTN77I (I-mode) Version 232b *NIST/NCC-90/944*	Prime 9955 Model I *PRIMOS Revision 21.0.5q*	9/1/91	Full	Prime 50-series w/I-mode instruction set *Primos Revision 19.0-22.1*	
	FTN77 (V-mode) Version 232b *NIST/NCC-90/943*	Prime 9955 Model I *PRIMOS Revision 21.0.5q*	9/1/91	Full	Prime 50-series w/V-mode instruction set *Primos Revision 19.0 to 22.1*	
	FTN77/486 Version 2.42 *NIST/NCC-90/942*	Olivetti CP486/25 *MS-DOS Version 4.01*	9/1/91	Full	HPVectra/486 Research Machines VX-486 *MS-DOS Versions 3.30, 4.01*	
	FTN77/386 Version 2.42 *NIST/NCC-90/941*	Olivetti MX380/XPI w/80387 coprocessor *MS-DOS Version 3.30*	9/1/91	Full	Compaq 386S w/80387SX Compaq Deskpro 386/16, 386/20, 386/25; CompuAdd 386/20, 386/25; Dell 310, 325 w/A02 BIOS, G03 m/board; HP Vectra RS/20; IBM PS/2 Models 80, 70; NEC ProSpeed 386 Portable; Northgate Elegance 386 20MHz; Tandon 386 20 MHz; Tandon 386SX; Toshiba T5100, T5200, 3200SX; Walters 386/20 *MS-DOS version 3.30, 4.01*	

4. Ada PROCESSORS

The following are 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 161 base compilers and 66 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)
#YYMMDDFX.XXNNN = Certificate Number: YYMMDD = date on-site testing was completed;
                                          F   = Ada Validation Facility;
                                          X.XX   = ACVC Version;
                                              NNN   = sequence number assigned by AVO

All Ada Validation Certificates issued for validations completed with ACVC Version 1.10 expired on December 1, 1990. At the TRI-Ada 1990 meeting in Baltimore, it was announced that the Ada Joint Program Office (AJPO) would be conducting a public review of ACVC 1.12 in the near future. It has been decided to suspend this public review and not to use ACVC 1.12 for validation under Ada 83. The proposed ACVC 1.12 will be provided to the Ada 9X Project as the baseline validation suite for Ada 9X.

ACVC 1.11 is the official validation test suite and will remain in effect until at least 1 January 1992. The certificates associated with 1.11 will remain current until at least 1 March 1993. Prior to the release of the Ada 9X suite (ACVC 2.0), there may be a transition suite -- tentatively designated 1.11A -- which will be similar to the proposed ACVC 1.12 except tests that conflict with 9X will be removed.

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
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. 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)
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, 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
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 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)
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

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
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 AlsyCOMP_053, Version 1.82 (#900509I1.11009)	VAX 8530 (under VMS, Version 5.1)	Same as Host
Alsys AlsyCOMP_042, Version 5.3 (#900627N1.11013)	IBM 9370 Model 90 (under AIX/370 Version 1.2)	Same as Host
Alsys AlsyCOMP_026, Version 1.82 (#900814I1.11040)	Sun-3/60 (under SunOS, Version 4.0.3)	Same as Host
Alsys AlsyCOMP_025, Version 1.83 (#900814I1.11041)	MIPS M/120-5 (under RISC/os, Version 4.0)	Same as Host
Alsys AlsyCOMP_046, Version 5.3 (#901022A1.11043)	Sony NEWS NWS-1850 (under NEWS-OS 3.3)	Same as Host
Alsys AlsyCOMP_004, Version 5.3 (#901022A1.11044)	Apollo DN4000 (under Domain/OS SR10.2)	Same as Host
Alsys AlsyCOMP_050, Version 5.3 (#901022A1.11045)	Bull DPX/2 320 (under B.O.S. 02.00.05)	Same as Host
Alsys AlsyCOMP_002, Version 5.3 (#901022A1.11046)	HP 9000s350 (under HP-UX 6.5)	Same as Host
Alsys AlsyCOMP_005, Version 5.3 (#901022A1.11047)	Sun-3/260 (under SunOS 3.2)	Same as Host
Alsys AlsyCOMP_035, Version 5.3 (#901022A1.11048)	CETIA Unigraph 6000 (under Unigraph/X 3.1)	Same as Host
Alsys AlsyCOMP_016 Version 5.1 (#901102W1.11055)	Compaq Deskpro 386 (under MS-DOS 3.30, Phar Lap 2.0)	Same as Host
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 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

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*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_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 Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11058)	Unisys Desktop III (under MS-DOS 3.30)	Same as Host
Alsys AlsyCOMP_003 Version 5.1 (#901102W1.11059)	Zenith Z-248 Model 50 (under MS-DOS 3.30)	Same as Host
*Validated by Registration 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 Alsys AlsyCOMP_003, Version 5.1 (BASE #901102W1.11059)	ICS SB286SC/12 (under MS-DOS 3.30)	Same as Host
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 Iserver V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver 1.3 for file-server support via an INMOS B008 board link
*Validated by Registration 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 Iserver V1.3)	INMOS T800 transputer on a B405 TRAM (bare) using an IBM PC/AT under MS-DOS 3.1 running INMOS Iserver 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 Iserver 1.3 for file-server support via an INMOS B008 board link
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_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)
Alsys AlsyCOMP_015, Version 5.3 (#901116A1.11068)	Sun 3/260 (under SunOS 3.2) (bare machine, using ARTK Version 5.3)	Motorola MVME121 (68010)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
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 Iserver 1.3 for file-server support via a CAPLIN QT0 board link
*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 Iserver 1.3 for file-server support via a CAPLIN QT0 board link; INMOS T800 transputer on a B405 TRAM (bare) using the Host running INMOS Iserver 1.3 for file-server support via a CAPLIN QT0 board link
Alsys AlsyCOMP_018 Version 5.2 (#901120A1.11070)	MicroVAX 3100 (under VMS 5.3)	Same as Host
Alsys AlsyCOMP_006, Version 5.3 (#901125N1.11071)	IBM 9370 Model 90 (under VM/IS CMS release 5.1)	Same as Host
Alsys AlsyCOMP_023, Version 5.3 (#901125N1.11072)	IBM 370 3084Q (under MVS/XA release 3.2)	Same as Host
Alsys AlsyCOMP_011, Version 5.3 (#901127A1.11069)	VAX 6210 (under VMS 5.2) (68020/68881) (bare machine, using ARTK Version 5.3)	Motorola MVME135-1
Alsys AlsyCOMP_034, Version 5.1 (#901221W1.11103)	Multitech 1100 (under SCO Unix 3.2)	Same as Host
Alsys AlsyCOMP_043, Version 5.3 (#901221W1.11104)	Apple Macintosh IIcx (under Macintosh System Software 6.0.5)	Same as Host
Alsys AlsyCOMP_034 Version 5.1 (#910129W1.11113)	IBM PS/2 Model 80 (under lynxOS Version 2.0 + Threads Release 11)	Same as Host
*Validated by Registration Alsys AlsyCOMP_034, Version 5.1 (BASE #910129W1.11113)	IBM PS/2 Models 70-xxx & 80-xxx (under LynxOS Version 2.0 Release 15)	Any Host
Alsys AlsyCOMP_056, Version 1.82 (#910131I1.11127)	Sun 3/60 (under SunOS, Version 4.0.3)	KWS EB68020 (under OS-9/68020, Version 2.3)
Alsys AlsyCOMP_055, Version 1.82 (#910201I1.11128)	VAX 8530 (under VMS, Version 5.3-1)	KWS EB68020 (under OS-9/68020, Version 2.3)
Alsys AlsyCOMP_029, Version 5.3 (#910323W1.11131)	CompuAdd 325 (under DOS 3.31)	Intel iSBC 386/116 (bare machine, using ARTK 5.3)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Alsys AlsyCOMP_030, Version 5.3 (#910323W1.11132)	MicroVAX II (under VMS 5.2)	Intel iSBC 386/31 (bare machine, using ARTK 5.3)
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)
Alsys AlsyCOMP_049, Version 1.83 (#910407I1.11144)	VAX 8530 (under VMS Version 5.3-1)	Integrated Device Technology IDT7RS301 System (R3000/R3010) (bare machine)
Concurrent Computer Corporation C3Ada, Version 0.5 (#900427I1.11008)	Concurrent Computer Corporation 8400 (MIPS R3000/3010) (under RTU Version 5.1)	Same as Host
*Validated by Registration Concurrent Computer Corporation C3Ada, Version 0.5 (BASE #900427I1.11008)	Concurrent Computer Corporation 8500 (MIPS R3000/R3010) (under RTU Version 5.1)	Same as Host
Concurrent Computer Corporation C3 Ada Version (#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 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 #901130W1.11107)	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 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 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
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
*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

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*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
*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 (#901130W1.11110)	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 #901130W1.11110)	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 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
*Validated by Registration Concurrent Computer Corporation C3 Ada, Version 1.2 (BASE #901130W1.11110)	Concurrent Computer Corporation Series 7000 (MC68040) (under RTU Version 6.1)	Any Host
CONVEX Computer Corporation CONVEX Ada, Version 2.0 (#900910W1.11027)	CONVEX C220 (under ConvexOS 8.1)	Same as Host
*Validated by Registration CONVEX Computer Corporation CONVEX Ada, Version 2.0 (BASE #900910W1.11027)	CONVEX C120, C201, C202, C210, C220, C230, C240, C210i, C220i & C230i (under ConvexOS, Versions 8.1 and 9.0)	Any Host
Cray Research, Inc. Cray Ada Compiler Release 2.0 (#901112W1.11116)	Cray X-MP/EA (under UNICOS Release 5.0)	Same as Host
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 VAX/VMS to 80386 PM Bare Ada Cross Compiler System, Version 4.6 (#901129S1.11074)	VAX 8530 (under VMS Version 5.3)	Intel iSBC 386/21 (bare machine)
DDC International A/S DACS 80386 UNIX V Ada Compiler System, Version 4.6 (#901129S1.11075)	ICL DRS300 (under DRS/NX, Version 3.2 (UNIX System V/386 release 3.2))	Same as Host

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
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)
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 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 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
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 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 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)
DDC-I 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
DDC-I International A/S DACS VAX/VMS to 68020 Bare Cross Compiler System, Version 4.6 (#901129S1.11051)	MicroVAX 3100 (under VMS Version 5.3)	Motorola MVME133 board (68020/68881) (bare machine)
Digital Equipment Corporation VAX Ada, Version 2.2 (#901109S1.11053)	VAX 8800 (under VMS Version 5.4)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11053)	DEC VAX-11, VAXserver, VAXstation, VAXft, microVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MilVAX Computer Model MilVAX II (under VMS Version 5.4)	Any 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)
*Validated by Registration Digital Equipment Corporation VAX Ada Version 2.2 (BASE #901109S1.11054)	DEC VAX-11, VAXserver, VAXstation, VAXft, microVAX, VAX 4000, VAX 6000, VAX 8000 & VAX 9000 Series of computers (as supported); Ratheon Military VAX Computer Model 860; and Norden MilVAX Computer Model MilVAX II (under VMS Version 5.4) 3300, 3400, 3500, 3600, 3602, 3800, 3900; VAXserver 6000 Models 210, 220, 310, 320, 410 & 420; Ratheon Military VAX Computer Models 810 & 860; Norden Computer Model MilVAX II, IVAX 620 & 630; VAX RTA; KA620-BA & KA800-M; rtVAX 300, 1000, 3200, 3300, 3305, 3400, 3500, 3600, 3800, 4000 Model 300, 8550, 8700, rtVAX 6000 Models 200, 300 & 400 Series and rtVAXstation 3100 Models 30 & 38 (under VAXELN Version 4.2, using VAXELN Ada Version 2.2)	VAX 4000 Models 200 & 300; VAX 6000 Series 200, 300 & 400; VAX 8200, 8250, 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,
E-Systems/ECI Division Tolerant Ada Development System, Version 6.0 (#901003W1.11039)	Tolerant Eternity (under TX, 5.4.0)	Same as Host
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11114)	Encore 91 Series Model 91-0430 (under UMAX 3.0)	Same as Host
*Validated by Registration Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (BASE #910130W1.11114)	Encore 91 Series, all models (under UMAX 3.0)	Any Host
Encore Computer Corporation Parallel Ada Development System, Revision 1.0 (#910130W1.11115)	Encore 91 Series Model 91-0430 (under UMAX 3.0)	Encore 91 Series Model 91-0430 (under uMPX 1.0)
*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)
Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11028)	Harris NH-4400 (under CX/UX 5.1)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11028)	Harris NH-4400 (under CX/UX 5.1, CX/RT 5.1, OR CX/SX 5.1)	Any Host
*Validated by Registration Harris 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
Harris Corporation, Computer Systems Division Harris Ada 5.1 (#900918W1.11029)	Harris NH-3800 (under CX/UX 5.1)	Same as Host
*Validated by Registration Harris Corporation, Computer Systems Division Harris Ada 5.1 (BASE #900918W1.11029)	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 #900918W1.11029)	NH-1200, NH-3400 & NH-3800 (under CX/UX 5.2, CX/RT 5.2 & CX/SX 5.2)	Same as Host
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0m (#910411W1.11137)	DN4500 (under Domain/OS SR10.3)	Same as Host
Hewlett-Packard Co./Apollo Systems Division Domain Ada V6.0p (#910411W1.11138)	DN10000 (under Domain/OS SR10.3.p)	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
*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
IBM Canada, Ltd. AIX Ada/6000 Release 2, Preliminary Version (#901127W1.11085)	RISC System/6000 model 7013-530 (under AIX 3.1)	Same as Host
*Validated by Registration IBM Canada, Ltd. AIX Ada/6000 Release 2.0 (BASE #901127W1.11085)	RISC System/6000 models 7013-320, -520, -530, -540, -550, -730 & -930 (under AIX 3.1)	Any Host
Intermetrics, Inc. UTS Ada Compiler, Version 302.03 (#910425W1.11141)	IBM 3083 (under UTS 580 Release 1.2.3)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
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
International Business Machines Corporation IBM Ada/370, Version 1.1.0 (#901128W1.11092)	IBM 4381 (under MVS/XA Release 3.8)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11145)	HP 9000 Model 720 (under HP-UX Release 8.01)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11146)	Sun 3/50 (under SunOS V4.0)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11147)	HP 9000 Model 400 (under HP-UX Release 7.03)	Same as Host
Irvine Compiler Corporation ICC Ada v7.0.0 (#910510W1.11148)	VAXstation 3100 Model M38 (under VMS 5.3-1)	Intel i80960MC (bare machine)
KRUPP ATLAS ELEKTRONIK GmbH KRUPP ATLAS ELEKTRONIK Ada Compiler VVME 1.82 (#910324I1.11136)	VAX 6000-410 (under VMS Version 5.2)	KRUPP ATLAS ELEKTRONIK GmbH MPR 2300 (under MOS2300, Version 2.1)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11031)	Sun-3/260 (under SunOS, Version 4.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11032)	Sun-4/110 (under SunOS, Version 4.1)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11033)	DECstation 3100 (under Ultrix, Version 3.0)	Same as Host
*Validated by Registration Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (BASE #900909W1.11033)	DECstation 2100, 3100 & 5000 (under Ultrix 3.0)	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 (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
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

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*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 (#900909W1.11036)	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 #900909W1.11036)	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 (#900909W1.11037)	80 Data 386/25 (under 386/ix 1.0.6)	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
*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
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#900909W1.11038)	Apple Macintosh II (under System 6.0.3)	Same as Host
*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
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 (#901108W1.11061)	Stardent Titan P3 (under Stardent/Unix 3.0)	Same as Host
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11062)	MicroVAX 3100 (under Ultrix 3.1)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Meridian Software Systems, Inc. Meridian Ada, Version 4.1 (#901108W1.11063)	MicroVAX II (under VMS 5.2)	Same as Host
MIPS Computer Systems MIPS ASAPP 3.0 (#900619W1.11010)	MIPS M/2000 (under RISC/os 4.50)	R3200-6 CPU board (bare machine)
MIPS Computer Systems MIPS Ada 3.0 (#900619W1.11011)	MIPS M/2000 (under RISC/os 4.50)	Same as Host
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)
*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)
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 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 Phar Lap/DOS 3.3)	Same as Host
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)
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)
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)
Rational Rational Environment, D_12_24_0 (#901116W1.11084)	R1000 Series 300 (under Rational Environment Version D_12_24_0)	Same as Host
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#900306W1.11129)	VAX 8650 (under VMS, Version 5.3-1)	CAPS/AAMP1 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #900306W1.11129)	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)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.0 (#900306W1.11130)	VAXstation 3100 Model 30 (under VMS 5.3-1)	CAPS/AAMP2 (bare machine)
*Validated by Registration Rockwell International Corporation DDC-Based Ada/CAPS Compiler, Version 6.1 (BASE #900306W1.11130)	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)
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 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)
*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)
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)
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)
Siemens Nixdorf Informationssysteme AG SIEMENS NIXDORF BS2000 Ada Compiler V2.1 (#901119I1.11111)	SIEMENS NIXDORF 7.590G (under BS2000 V9.5)	Same as Host
*Validated by Registration Siemens Nixdorf Informationssysteme 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 Computer Systems 4D ADA 3.0 (#900703W1.11014)	Iris-4D/380 (under IRIX Release 4D-3.3)	Same as Host
Silicon Graphics Computer Systems 4D ADA 3.0 (#900703W1.11015)	Iris-4D/220S (under IRIX Release 4D-3.3)	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

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Tartan, Inc. Tartan Ada VMS/C30, Version 4.0 (#901210I1.11121)	VAXstation 3100 (under VMS 5.2)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada Sun/960MC, Version 4.0 (#901210I1.11122)	Sun 3/60 (under SunOS Version 4.0.3)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
Tartan, Inc. Tartan Ada Sun/Sun, Version 4.0 (#901211I1.11118)	Sun 3/60 (under SunOS Version 4.0.3)	Same as Host
Tartan, Inc. Tartan Ada VMS/960MC, Version 4.0 (#901212I1.11120)	VAXstation 3100 (under VMS 5.2)	Intel ICE960/25 on an Intel EXV80960MC board (bare machine)
Tartan, Inc. Tartan Ada Sun/C30 Version 4.0 (#901212I1.11123)	Sun 3/50 (under SunOS Version 4.0.3)	Texas Instruments TMS320C30 Application Board (bare machine)
Tartan, Inc. Tartan Ada VMS/1750A, Version 4.0 (#901213I1.11119)	VAXstation 3200 (under VMS 5.2)	Texas Instruments STL VHSIC 1750A (bare machine)
TeleSoft TeleGen2 Sun-3 Ada Development System, Version 4.01 (#900525I1.11012)	Sun-3/280 (under Sun UNIX 4.2, Release 4.0.3)	Same as Host
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
TeleSoft TeleGen2 Ada 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)
*Validated by Registration TeleSoft TeleGen2 Ada 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 Force CPU-30, CPU-31, CPU-32 & CPU-37 (bare machines)	Motorola board series MVME133*, MVME135*, MVME136* (MC68020); MVME141* & MVME147* (MC68030); and
*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	Motorola board series MVME147* (MC68030) (bare machines, using TeleAda-Exec)
TeleSoft TeleGen2 Ada Cross Development System, Version 4.1, for VAX/VMS to MIPS (#910123I1.11125)	MicroVAX 3800 (under VAX/VMS Version 5.2) (R3000/R3010) (bare machine)	Integrated Device Technology IDT7RS301 System

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
TeleSoft TeleGen2 Ada 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 Ada 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)
TeleSoft TeleGen2 Ada 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)
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)
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)
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)
UNISYS Corporation UCS Ada, Version 1R1 (#910510S1.11161)	UNISYS 2200/600 (under OS1100, Version 43R2)	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 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
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 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
*Validated by Registration Verdix Corporation VADS DEC-RISC, Ultrix 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
Verdix Corporation VAda-110-0202, Version 6.0 (#900228W1.11002)	VAXsystem 3100 (under ULTRIX 3.1)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*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
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 VADS IBM PS/2 AIX = > Intel 80386, VAda-110-35315, Version 6.0 (#900510W1.11004)	IBM PS/2 Model 80 (under AIX 1.1)	Intel iSBC 386/12 (bare machine)
Verdix Corporation VADS IBM PS/2 AIX = > 68K, VAda-110-35125, Version 6.0 (#900510W1.11005)	IBM PS/2 Model 80 (under AIX 1.1)	Motorola MVME133A-20 (MC68020) (bare machine)
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 Sun Microsystems Sun Ada, SunOS, ADE-1.0-4-4-21, Version 1.0 (BASE #900510W1.11006)	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, IPC (under SunOS 4.1)	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 Sun3 SunOS = > 68K, VAda-110-13125, Version 6.0 (#900510W1.11007)	Sun 3/280 (under SunOS 4.0) (bare machine)	Motorola MVME147 (MC68030)
*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) 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, MZ7170, 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)	Cyclone CVME 44, CVME 46 & CVME 48; Force CPU 21, CPU 29, CPU 30, CPU 31, CPU 32,
Verdix Corporation VADS IBM RISC System/6000, AIX 3.1, VAda-110-7171, Version 6.0 (#900726W1.11017)	IBM RISC System/6000 Model 530 (under AIX 3.1)	Same as Host
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

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
*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
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 VAX/VMS 5.2, VAda-110-0303, Version 6.0 (#900726W1.11020)	MicroVAX 3100 (under VAX/VMS V5.2)	Same as Host
Verdix Corporation VADS VAX/VMS= >68k, VAX/VMS 5.2, VAda-110-03125, Version 6.0 (#900726W1.11021)	MicroVAX 3100 (under VMS V5.2)	Motorola MVME147 (MC68030) (bare machine)
*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, MZ7130, MZ7170, 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)
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)
Verdix 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 TekDB Version 5.0.2 emulation software (bare machine simulation)
*Validated by Registration Verdix 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 SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ7170, 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 TekDB Version 5.0.2 emulation software (bare machine simulation)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix Corporation VADS DEC-RISK= >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 Verdix 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 SBC; Matrix MS-CPU220 & MS-CPU320; Mizar MZ7120, MZ7122, MZ7124, MZ7130, MZ7170, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)
Verdix 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)
Verdix 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 iSBC 386/116 (bare machine)
Verdix 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 uisng a WEITEK 3167 fpu (bare machine)
Verdix 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
Verdix 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
Verdix Corporation VADS Sun4 = > 68K, Sun OS 4.0, VAda-110-40125, Version 6.0 (#901129W1.11097)	Sun-4/260 (under SunOS 4.0)	Motorola MVME147 (68030) (bare machine)
Verdix 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)
Verdix Corporation VADS AT&T 315 UNIX System V, Rel. 3.1, VAda-110-5151, Version 6.0 (#901129W1.11099)	AT&T 3B15 (under UNIX System V, Release 3.1)	Same as Host

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix 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 Verdix 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, MZ7170, MZ8120 & MZ8130; Sun Microsystems 3E Board Set; Motorola MVME147 Series (MC68030), MVME133 Series, MVME134 & MVME135 (MC68020); Tadpole TP32V & TP33M (bare machines)
Verdix Corporation VADS BCS/88K, AViion DGUX 4.3, VAda-110-8080, Version 6.1 (#901129W1.11101)	Data General AViiON Model 5120 (under DG/UX 4.3)	Same as Host
Verdix Corporation VADS Sun4 = > SPARC, Sun OS 4.1, VAda-110-40440, Version 6.0 (#901129W1.11102)	Sun-4/490 (under SunOS 4.1) machine)	SPARCengine 1E (bare
Verdix 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)
Verdix Corporation VADS DEC-RISC = > MIPS R3000, VAda-110-61620, Version 6.1 (#910517W1.11150)	DECstation 5000-200 (under ULTRIX V4.0)	MIPS R3000 (bare machine)
Verdix 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)
Verdix 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)
Verdix Corporation VADS DEC-RISC = > 88k, VAda-110-61680, Version 6.1 (#910517W1.11153)	DECstation 2100 (under ULTRIX V4.0)	Motorola MVME181 (bare machine)
Verdix 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)
Verdix 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
Verdix 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)

VENDOR, COMPILER & CERTIFICATE #	HOST MACHINE & (OS)	TARGET MACHINE & (OS)
Verdix 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
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)	InterServe 200, 300, 2000, 3000, 4200, 5200, 6000, 6105 & 6505 (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
*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

5. PASCAL PROCESSORS

VENDOR	PROCESSOR ID VSR # & LEVEL	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	OTHER ENVIR HW/OS	NONCON-FORMITIES
BSO/TASKING	BSO/Pascal II Version 1.20 producing code for MC68881 PCVS/0079/UK Level 0	Host: Digital VAXStation 3100 VAX/VMS Version 5.3 Target: Applied Microsystems ES1800 w/ES68020, MC68881	7/1/91	Host: Digital VAX series VAX/VMS Version 4.7-5.3	Yes
	BSO/Pascal II Version 1.20 producing emulation code PCVS/0080/UK Level 0	Host: Digital VAXStation 3100 VAX/VMS Version 5.3 Target: Applied Microsystems ES1800 w/ES68020, MC68881	7/1/91	Host: Digital VAX series VAX/VMS Version 4.7-5.3	Yes
Bull HN, Inc.	Pascal PCVS1.1 Version PCV1.1 Release 1.1 NIST-91/1684 Level 0/1	DPS 90 GCOS-8 Version SR4000	6/1/92	DPS 8000, 9000 GCOS-8 Version SR4000	
Control Data Corporation	PASCAL/VE Version 1.7 Release 90337 NIST-91/1434 Level 0/1	CYBER 180-995 NOS/VE Version 1.5.3 Level 765	6/1/92	Cyber 180 Ser; Cyber 2000 NOS/VE Ver. 1.5.3 Level 765	
Digital Equipment Corporation	Pascal for RISC Version 1.1 NIST-90/2152 Level 0/1	DECsystem 5840 ULTRIX(tm) Version 4.0	9/1/91	DECstations 2100, 3100, 5000-200 ULTRIX Worksystem Software Version 4.0 DECsystem 3100, 5400, 5810, 5820, 5830, 5840, 5000 model 200 ULTRIX Version 4.0	
	VAX Pascal Version 4.1 NIST-90/2151 Level 0/1	VAX 8800 VMS Version 5.3	9/1/91	8200 8250 8300 8350 8500 8530 8550 8600 8650 8700 8800 8810 8820 8830 8840 8842 8974 8978; VAX-11/730 11/750 11/780 11/785; 4000/300; 6000/ 200 300 400; MicroVAX II 2000 3100 3300 3400 3500 3600 3800 3900; VAXstation II 2000 3100 3200 3500 3520 3540; VAXserver 3100 3300 3400 3500 3600 3602 3800 3900 6000-210 6000-310 6000-410 6000-420 VMS Version 5.3	
Edinburgh Portable Compilers Ltd.	EPC Pascal-E Version 4.3.2 PCVS/0081/UK Level 0/1	ICL DRS 3000 DRS/NX IXP Release 4	11/1/91		
	EPC Pascal-E Version 4.3.2 PCVS/0082/UK Level 0/1	ICL DRS 6000 DRS/NX 6000 Release 4	11/1/91		
	EPC Pascal-E Version 4.3.2 PCVS/0083/UK Level 0/1	OPUS PM/8000 UNIX Release 3.0	11/1/91		
Electronic Data Systems Corp.	SVS Pascal Version 2.8 NIST-91/1401 Level 0	Everex AGI System 3000D Interactive Unix V/386 Release 3.2	5/1/92		
	SVS Pascal Version 2.8 NIST-91/1402 Level 0	Prime EXL 320 Prime Unix V/386 Release 3.1	5/1/92		
Hewlett-Packard Company	HP Pascal/UX 92431 Release A.08.02 NIST-90/2081 Level 0/1	HP9000 Model 840 HP-UX Release A.B7.00	9/1/91	HP9000 635, 645, 808, 815, 825, 832, 845, 850, 855, 870 HP-UX Release UX 7.0	

VENDOR	PROCESSOR ID VSR # & LEVEL	HARDWARE & OPERATING SYSTEM	EXPIRY DATE	OTHER ENVIR HW/OS	NONCON- FORMITIES
	HP Pascal/XL 31502 Release A.03.11 NIST-90/2082 Level 0/1	HP3000 Model 950 MPE XL Release A.40.00 XL 2.1	9/1/91	HP3000 922LX, 922RX, 922, 925, 925LX, 930, 932, 935, 949, 950, 955, 960, 980 MPE XL Release A.40.00 XL2.1	
	HP-UX Pascal B1689 Version 19.1 Release H. Per Code C.07.05 NIST-90/2083 Level 0/1	HP9000 Model 350 HP-UX Release 7.0	9/1/91	HP9000 320, 330, 340, 345, 350, 360, 375, 385 HP-UX Release 7.0 HP9000 425S, 425T, 433T, 433S HP-UX Release 7.05	
	HP-UX Pascal B1689 Version 19.1 Release H. Per Code C.07.05 NIST-90/2084 Level 0/1	HP9000 Model 350 w/floating point HP-UX Release 7.0	9/1/91	HP9000 320, 330, 340, 345, 350, 360, 375, 385 (w/floating point) HP-UX Release 7.0 HP9000 425S, 425T, 433T, 433S (w/floating point) HP-UX Release 7.05	
IBM Canada LTD	IBM AIX XL PASCAL Compiler/6000 Version 1 Release 1 NIST-91/1761	IBM RISC System/6000 POWERstation 530 AIX Version 3 for RISC System/6000 Version 3.1	5/1/92	POWERstation 320, 520, 550, 730; POWERserver 320, 520, 530, 550, 730 AIX Version 3 for RISC System/6000 Version 3.1	
Sequent Computer Systems	EPC Pascal Version 4.3.0p NIST-90/2183 Level 0/1	Sequent Model S16 Dynix/ptx Version 1.2	9/1/91	Sequent Symmetry Series S3, S16, S27, S81 Dynix/ptx Version 1.1 Sequent Symmetry Series S3, S16, S27, S81 (w/weitek 1167 (FPU)) Dynix/ptx Version 1.1, 1.2	
Siemens Nixdorf Informations- systeme AG	SNI Pascal-XT Version 2.1A PCVS/0084/UK Level 0/1	SNI H120-I 7.592I-0003 BS2000 Version 10.0T20	1/1/92	SNI 7.500 BS2000 Version 9.0A-10.10A	
	SNI Pascal-XT Version 2.1A PCVS/0085/UK Level 0/1	SNI MX500 SINIX-F Version 5.21	1/1/92		
	SNI Pascal-XT Version 2.1A PCVS/0086/UK Level 0/1	SNI MX300-50 SINIX-L Version 5.4	1/1/92		
	SNI Pascal-XT Version 2.1A PCVS/0087/UK Level 0/1	SNI MX300-30 SINIX-H Version 5.23	1/1/92	SNI MX300-30 SINIX-H Version 5.1B-5.2A	
	SNI Pascal-XT Version 2.1A PCVS/0088/UK Level 0/1	SNI WX200 SINIX-ODT-R Version 1.5	1/1/92		
	SNI Pascal-XT Version 2.1A PCVS/0089/UK Level 0/1	SNI C40-S FALCON 1281 BS2000 Version 9.5A	1/1/92	SNI 7.500 BS2000 Version 9.0A-10.0A	

6. SQL PROCESSORS

VENDOR	PROCESSOR ID VSR # & EXPIRY DATE	INTERFACES & COMPILERS	HARDWARE & OPER. SYS.	OTHER HW/OS & COMPILERS	*NONCON- FORMITIES

Digital Equipment Corporation	VAX Rdb/VMS Version 4.1 *NIST-91/7071* 6/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	Integrity Enhancement Option
	FIPS Sizing Defaults
	FIPS Flagger
		Embedded C
		Module C
		  VAX C Version 3.0
		Embedded COBOL
		Module COBOL
		  VAX COBOL Version 4.4
		Embedded Fortran
		Module Fortran
		  VAX Fortran Version 5.0
		Embedded Pascal
		Module Pascal
		  VAX Pascal Version 4.1
		Interactive SQL (FIPS
		  Default)
			VAXstation 3500; VAX 6220 *VMS Version 5.4-2*	VAX, MicroVAX, VAXstation *VMS Versions 5.0-5.4*
				  VAX C V 3.0
				  VAX COBOL V 4.2-4.4
				  VAX Fortran V 5.0-5.3
				  VAX Pascal V 3.9-4.1	

IBM Corporation	SQL/DS Version 3 Release 2 *NIST-90/7021* 1/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
	FIPS Flagger
		Embedded C
		  IBM C/370 Version 1
		  Release 2
		Embedded COBOL
		  IBM VS COBOL II
		  Version 1 Release 3.1
		Embedded Fortran
		  IBM VS Fortran Version 2
		  Release 4.0
		Interactive SQL (FIPS
		  Default)
			IBM 3090 *VM/XA SP Release 2*	IBM 30xx, 43xx, 90xx, 93xx *VM/ESA Release 1*
				VM/SP Release 6
				VM/XA SP Release 2	

	SQL/DS Version 3 Release 2 *NIST-90/7022* 1/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
	FIPS Flagger
		Embedded COBOL
		  IBM VS COBOL II
		  Version 1 Release 3.2
		Embedded Fortran
		  IBM VS Fortran Version 1
		  Release 4.1
		Interactive SQL (FIPS
		  Default)
			IBM 3090 *VSE/ESA Release 1*	IBM 30xx, 43xx, 90xx, 93xx *VSE/ESA Release 1*
				VSE/SP Release 3
				VSE/SP Release 4	

Informix Software Inc.	INFORMIX-OnLine Version 4.10 *NIST-91/7031* 2/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
	FIPS Flagger
		Schema Processor
		  INFORMIX-SQL
		    Version 4.00
		Embedded C
		  INFORMIX-ESQL/C
		    Version 4.10
		  Sun C 4.1
			Sun 4 Model 260 *Sun OS 4.1*	Sun Model 4/60, 4/100, 4/200; Sun Sparcserver 1, 1+, 330, 370, 390, 490; Sun Sparcstation 300, 330 *Sun OS 4.1*
				Solbourne Series 4/601, 4/602, 4/603, 4/604, 5/601, 5/602, 5/604, 5/671, 5/672, 5/673, 5/674 *OS/MP 4.0*
					1 C

	INFORMIX-OnLine Version 4.10 *NIST-91/7032* 2/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
	FIPS Flagger
		Schema Processor
		  INFORMIX-SQL
		    Version 4.00
		Embedded C
		  INFORMIX-ESQL/C
		    Version 4.10
		  AT&T C 4.2
			AT&T 3B2/700 *Unix System V Release 3.2.1, Rev. 3*	AT&T 3B2 300, 310, 400, 500, 600, 750 *Unix System V Release 3.2.1, Rev. 3*	1 C

	INFORMIX-OnLine Version 4.10 *NIST-91/7033* 2/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
	FIPS Flagger
		Schema Processor
		  INFORMIX-SQL
		    Version 4.00
		Embedded C
		  INFORMIX-ESQL/C
		    Version 4.10
		  HPUX C
			HP 9000/825 *HP-UX Version A.B7.00*	HP 9000/808, 808S, 815, 815S, 822, 825, 825S, 832, 834, 835, 835S, 835SE, 840, 842, 845, 845S, 850, 852, 855 *HP-UX A.B7.00*	1 C

* This column lists the number of nonconformities for each interface tested (C, COBOL, Fortran, etc). "FIPS Flagger" in this column indicates that the FIPS Flagger requirement of FIPS 127-1 was not implemented. Refer to 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.

VENDOR	PROCESSOR ID *VSR # & EXPIRY DATE*	INTERFACES & COMPILERS	HARDWARE & *OPER. SYS.*	OTHER HW/*OS* & COMPILERS	*NONCON- FORMITIES
	INFORMIX-OnLine Version 4.10 *NIST-91/7034* 2/1/92 Features Tested: *Level 2 ANSI SQL* *FIPS Sizing Defaults* *FIPS Flagger*	Schema Processor INFORMIX-SQL Version 4.00 Embedded C INFORMIX-ESQL/C Version 4.10 C 4.1	Prime EXL320 *Unix System V 3.1*		1 C
	INFORMIX-OnLine Version 4.10 *NIST-91/7035* 2/1/92 Features Tested: *Level 2 ANSI SQL* *FIPS Sizing Defaults* *FIPS Flagger*	Schema Processor INFORMIX-SQL Version 4.00 Embedded C INFORMIX-ESQL/C Version 4.10 Interactive C 4.1.5	INTEL WS3000 *Interactive Unix System V 3.2.2*	Compaq Systempro 486 *Interactive Unix V/386 2.2* Compaq Deskpro 386/25; 386/33; 486/25 MDL120; 486/25 MDL 320; 486/25 MDL650; 486/33 *Interactive Unix V/386 2.2* Data General Dasher 386/386SX *Interactive Unix V/386 2.2* AT&T 6386; 6386/25; 6386/33 *Unix System 3.2*	1 C
	INFORMIX-ESQL/C Version AR4.00 *NIST-91/7036* 2/1/92 Features Tested: *Level 2 ANSI SQL (single-user)* *FIPS Sizing Defaults* *FIPS Flagger*	Schema Processor INFORMIX-SQL Version 4.00 Embedded C INFORMIX-ESQL/C Version AR4.00 Microsoft 6.0 C	Concord 386 *MS-DOS 3.30*	Compaq Deskpro 386/486 *MS-DOS 3.30* IBM PC AT *MS-DOS 4.0/3.30* Toshiba 3100 SX/3200 *MS-DOS 4.01*	14 C
	INFORMIX-OnLine Version 5.0 *NIST-91/7037* 5/1/92 Features Tested: *Level 2 ANSI SQL* *Integrity Enhancement Option* *FIPS Sizing Defaults* *FIPS Flagger*	Embedded C Informix-ESQL/C Sun C as bundled with Sun OS 4.1.1 Interactive SQL (FIPS Default) Informix-Dbaccess	Sun SPARCserver 470 *Sun OS 4.1.1*	Sun Model 4/60, 4/100, 4/200, 4/260; Sun Sparcserver 1, 1+, 330, 370, 390; Sun Sparcstation 300, 330 *Sun OS 4.1 - 4.1.1*	1C
	INFORMIX-OnLine Version 5.0 *NIST-91/7038* 5/1/92 Features Tested: *Level 2 ANSI SQL* *Integrity Enhancement Option* *FIPS Sizing Defaults* *FIPS Flagger*	Embedded C Informix-ESQL/C C as bundled with ULTRIX 4.0 rev 179 Interactive SQL (FIPS Default) Informix-Dbaccess	DECSYSTEM 3100 *ULTRIX 4.0 rev 179*	DECSYSTEM 3100, 5100, 5400, 5500, 5810, 5820, 5830, 5840; DECSTATION 2100, 3100, 5000-200 *ULTRIX 4.0 rev 179*	1C
	INFORMIX-OnLine Version 5.0 *NIST-91/7039* 5/1/92 Features Tested: *Level 2 ANSI SQL* *Integrity Enhancement Option* *FIPS Sizing Defaults* *FIPS Flagger*	Embedded C Informix-ESQL/C C as bundled with SoftwareDevelopment System 4.1.5 Interactive SQL (FIPS Default) Informix-Dbaccess	Zenith 386/33E *SCO Unix System V 3.2*		1C

VENDOR	PROCESSOR ID *VSR # & EXPIRY DATE*	INTERFACES & COMPILERS	HARDWARE & *OPER. SYS.*	OTHER HW/*OS* & COMPILERS	*NONCON- FORMITIES

Oracle
Systems
Corporation
	ORACLE RDBMS
	Version 7.0
	NIST-91/7051 4/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	Integrity Enhancement Option
	FIPS Sizing Defaults
	FIPS Flagger
		Embedded C
		  Pro*C Version 1.5
		  VAX C Version 3.1
		Embedded COBOL
		  Pro*COBOL Version 1.5
		  VAX COBOL Version 4.2
		Embedded Fortran
		  Pro*Fortran Version 1.5
		  VAX Fortran Version 5.2
		Embeded Pascal
		  Pro*Pascal Version 1.5
		  VAX Pascal Version 3.9
		Interactive SQL (FIPS
		  Default)
		  SQL*DBA Version 7.0
			DEC VAX 6560
			VMS Version 5.4
				VAX, MicroVAX,
				VAXStation
				VMS Versions 5.0 - 5.4	

	ORACLE RDBMS
	Version 6.0
	NIST-91/7052 4/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
		Embedded C
		  Pro*C Version 1.4
		  VAX C Version 3.1
		Embedded COBOL
		  Pro*COBOL Version 1.4
		  VAX COBOL Version 4.2
		Embedded Fortran
		  Pro*Fortran Version 1.4
		  VAX Fortran Version 5.2
		Embedded Pascal
		  Pro*Pascal Version 1.4
		  VAX Pascal Version 3.9
		Interactive SQL (FIPS
		  Default)
		  SQL*DBA Version 6.0
		  SQL*PLUS Version 3.0
			DEC VAX 6560
			VMS Version 5.4
				VAX, MicroVAX,
				VAXStation
				VMS Versions 4.6 - 5.4
					2 Schema
					14 C
					11 COBOL
					11 Fortran
					11 Pascal
					9 Interactive
					
					FIPS Flagger

ShareBase
Corporation
	ShareBase III
	Release 1
	NIST-90/7001 12/1/91
	
	Features Tested:
	Level 2 ANSI SQL
	Integrity Enhancement Option
	FIPS Sizing Defaults
		Embedded C
		  Sun UNIX C 4.2
		    Release 3.4
			Client: Sun 3/50
			Sun OS 4.2 Release 3.5
			Server: Server/8000
			Sharebase III Release 1
				Client: Sun 3/60
				Sun OS 4.2 Release 3.5
				Server: Server/8000
				ShareBase III Release 1
					FIPS Flagger

Unisys
Corporation
	SQLDB Mark 3.9
	NIST-90/7011 1/1/92
	
	Features Tested:
	Level 2 ANSI SQL
	FIPS Sizing Defaults
	FIPS Flagger
		Module COBOL
		  A Series COBOL
		  ANSI-85, Version 2.0
			Unisys A15 Model H
			MCP/AS Mark 3.9
				Unisys Micro A, A1, A2, A3,
				A4, A5, A6, A9, A10, A12,
				A15, A16, A17, A19
				MCP/AS Mark 3.9	

APPENDIX A

CONTRIBUTORS TO THE VALIDATED PROCESSOR LIST

APPENDIX A

CONTRIBUTORS TO THE VALIDATED PROCESSOR LIST

The organizations listed below have performed validations, supplied information for the Validated Processor List, or are sources for Validation Summary Reports (VSR). 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.

CODE	ORGANIZATION	CONTACTS	LANGUAGE
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 Telecopier: (301) 590-0932	L. Arnold Johnson Judy Kailey Woody Schneider Kathryn Miles William Dashiell	All COBOL Fortran BASIC, SQL Pascal, SQL Ada
N	National Computing Centre Limited Oxford Road Manchester M1 7ED ENGLAND (011) +44 (61) 228 6333 +44 (61) 236 4715 (FAX) Telex 668962	Jane Pink	COBOL Fortran Ada
	Gesellschaft fur Mathematik und Datenverarbeitung mbH Institut fuer Technologie-Transfer Schloss Birlinghoven D-5205 St Augustin 1 Federal Republic of Germany	Berthold Kirsch	Fortran

CODE	ORGANIZATION	CONTACTS	LANGUAGE
	British Standards Institution P.O. Box 375 Milton Keynes MK14 6LL ENGLAND (011) +44 0908-220908 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	Bobby Evans	Ada
B or A	BNI-AVF AFNOR Tour Europe, Cedex 7 92080 Paris La Defense FRANCE (011) 33-142915960 Telefac: (011) 33-142915656 Telex: AFNOR 611 974 F	Fabrice Garnier de Labareyre	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)
	Bureau Inter Administration de Documentation Informatique 21 Rue Bara 92132 Issy France	E. Bialot	COBOL Fortran

APPENDIX B

OTHER FIPS CONFORMANCE TESTING
PRODUCTS AND SERVICES

APPENDIX B

OTHER 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.

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
MUMPS	FIPS PUB 125	William Dashiell NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-2490	T
GKS	FIPS PUB 120	Susan (Quinn) Sherrick NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3268	T, S, C
POSIX	FIPS PUB 151	Jim Hall NIST, Bldg. 225, Rm. B266 Gaithersburg, MD 20899 (301) 975-3273	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	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

*Distributed through: National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
(703) 487-4650

TOPIC	STANDARD	CONTACT	PRODUCT/SERVICE
GOSIP	FIPS PUB 146	Stephen Nightingale NIST, Bldg. 225, Rm 141 Gaithersburg, MD 20899 (301) 975-3616	T, S
1984 X25	CCITT X.25-1984 ISO 7776, ISO 8208 ISO 8882, ISO 9646 FIPS PUB 100-1 FIPS PUB 122(planned)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899	T
ISDN Data Link Layer	Q921.LAPD ANSI T1.602	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
ISDN Physical Layer	S/T Interface 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 (abstract)
ISDN Network Layer	Q931 ANSI T1.607 ANSI T1.608 FIPS PUB (planned)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
FDDI	ANSI X3T9 FIPS PUB (planned)	David Su NIST, Bldg. 223, Rm. B364 Gaithersburg, MD 20899 (301) 975-6194	T
CGM	FIPS PUB 128 MIL-D-28003	Lynne Rosenthal NIST, Bldg. 225, Rm. A266 Gaithersburg, MD 20899 (301) 975-3353	T, S, C

APPENDIX C

GOSIP CONFORMANCE TESTING REGISTERS

GOSIP CONFORMANCE TESTING REGISTERS

The Register of Conformance Testing Laboratories and the Register of Conformance Tested Products are presented on the following pages. These and the other registers listed below may be accessed from electronic media as ASCII text over the internet and using FTP as follows:

- Request a connection to host, **ftp osi.ncsl.nist.gov**
- Login as **anonymous**
- Password **any**

At this point FTP functions may be performed within the anonymous directory. The GOSIP register information is accessed by entering a sub-directory

- **cd pub/gosip.v1**

The registers are contained in the following files:

- Abstract Test Suites, **ats.reg**
- Means of Testing, **mot.reg**
- Accredited Laboratories, **lab.reg**
- Conformance Tested Products, **product.reg**
- Interoperability Test Suites, **int_ats.reg**
- Interoperability Services, **int_service.reg**

Tranfer the files using **get** < **filename** > (e.g., get ats.reg)
Leave FTP using **bye**

REGISTER OF CONFORMANCE TESTING LABORATORIES
June 4, 1991

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 Means of Testing identified. Entries on this Register may be Full or Provisional. Provisional entries are assessed and awaiting formal NVLAP Accreditation; entries are valid for 12 months from the date of registration. Fully Registered entries are NVLAP Accredited; entries are valid until expiration, revocation or suspension of NVLAP Accreditation.

Laboratory Name: Bull HN
13430 N. Black Canyon Highway
Phoenix, AZ 85029

Contact and Phone: Bill George, (602) 862-6008

Scope of Registration: FTAM, MHS, Session, TP4, CLNP

Type of Laboratory (1st, 2nd or 3rd Party): 1st Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

Laboratory Name: CDA Inc
301 W. Maple Avenue, Suite 100
Vienna, VA 22180

Contact and Phone: Paul Moyer, (703) 938-2253

Scope of Registration: X.25

Type of Laboratory (1st, 2nd or 3rd Party): 3rd Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

Laboratory Name: Control Data Corporation
4201 North Lexington Avenue
St Paul, MN 55126-6198

Contact and Phone: Ron Swan, (612) 482-6257

Scope of Registration: X.400, Session, TP4, TP0, CLNP, X.25

Type of Laboratory (1st, 2nd or 3rd Party): 1st Party

Type of Registration (Full or Provisional): Full

Registered Until: February 10 1993.

Laboratory Name: Corporation for Open Systems
1750 Old Meadow Road
McLean, VA 22102

Contact and Phone: Nancy Pierce, (703) 883-2873

Scope of Registration: FTAM, MHS, TP4, TP0, CLNP, X.25, 8802.3

Type of Laboratory (1st, 2nd or 3rd Party): 3rd Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

Laboratory Name: Digital Equipment Corporation
550 King Street
Littleton, MA 01460

Contact and Phone: Immi Mohammed (508)486-7634

Scope of Registration: FTAM, MHS, TP4, TP0, CLNP

Type of Laboratory (1st, 2nd or 3rd Party): 1st Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

Laboratory Name: Hewlett Packard
19420 Homestead Road
Cupertino, CA 95014

Contact and Phone: Murali Subbarao (408)447-2822

Scope of Registration: MHS, Session, TP4, TP0, CLNP

Type of Laboratory (1st, 2nd or 3rd Party): 1st Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

Laboratory Name: IBM Corporation
        P.O. Box 12195
        Research Triangle Park NC 27709

Contact and Phone: J.P. Streck, (919) 254-0256

Scope of Registration: X.25

Type of Laboratory (1st, 2nd or 3rd Party): 1st Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

Laboratory Name: National Computing Centre Ltd
        Oxford Road
        Manchester, M1 7ED
        ENGLAND

Contact and Phone: Jane Pink, +44 61 228 6333

Scope of Registration: FTAM, MHS, Session, TP4, TP0, CLNP

Type of Laboratory (1st, 2nd or 3rd Party): 3rd Party

Type of Registration (Full or Provisional): Full

Registered Until: November 30, 1992.

REGISTER OF CONFORMANCE TESTED GOSIP PRODUCTS

June 3, 1991

Products which have been tested in accordance with the GOSIP program of conformance testing are listed here. These Products relate to the protocols identified in FIPS 146 GOSIP, Version 1. For further details of each Product listed please contact the named supplier. Entries are registered according to the provisions of the **"GOSIP Conformance and Interoperation Testing and Registration"** proposed FIPS.

P-1 WAN Products

Supplier: A.T. & T. Computer Systems
307 Middletown - Lincroft Road
Lincroft, NJ 07738

Contact: Reginald Lewis, Tel. (201) 898-6005,
Fax (201) 898-3717

GOSIP Product Name, Release and Date:
AT & T X.25 Network Interface Product,
Release 2.0, January 1991.

Hardware and Operating System Platform(s):
AT & T 6386 StarServer S (or StarServer E),
UNIX System V, Release 4.0;
GPSC-AT, or GPSC-AT/E
Synchronous Card

Base/Derived: Base

Connectivity: X.21 (bis), V.35, RS 232C

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

Date Registered: April 9, 1991

Type of Registration: Provisional, based on use of ATS-1 and ATS-2

Conformance Lab Used: Corporation for Open Systems, McLean, VA

P-2 LAN Products

Supplier: Bull HN Information Systems
Technology Park, Billerica, MA 01821-4199

Contact: Kenneth B. Finkenauer,
OSI Program Manager
(508) 294-2909/2699

GOSIP Product Name, Release and Date:
Local Area Controller Subsystem (LACS)
(8802/2,8802/3)

Hardware and Operating System Platform(s):
DPS6000/HVS6 Release 2

Base/Derived: Base

Connectivity: 8802/3 10 Base 5 PLS

Protocols and Profiles:
ISO 8802/2, 8802/3

Date Registered: April 1, 1991

Type of Registration: Provisional, based on use of ATS-3 and ATS-6

Conformance Lab Used: Corporation for Open Systems, McLean, VA

P-4 Transport Products

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

Contact: Murali Subbarao, Tel. (408) 447-2822,
Fax (408) 447-3660

GOSIP Product Name, Release and Date:
HP OTS/9000 Series 800, Version C.02.00,
June 10, 1991

Hardware and Operating System Platform(s):
HP 9000 Series 800/ HP-UX Operating
System, Version 8.0

Base/Derived: Base

Connectivity: HP LAN/9000 Link Product

Protocols and Profiles:
IS 8073, Transport Class 4/IS 8473, CLNP

Date Registered: May 28, 1991

Type of Registration: Provisional, based on use of ATS-7 and ATS-9

Conformance Lab Used: Hewlett-Packard, Cupertino, CA

APPENDIX D

POSIX TESTING LABORATORIES

APPENDIX D

NIST POSIX Testing Laboratories and Validated Products

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.

Applications Software Incorporated
1656 Gryc Court
Mendota Heights, MN 55118

Contact: Mr. Robin Ehrlich
Phone: 612-456-5364

DataFocus Incorporated
12500 Fair Lakes Circle, Suite 160
Fairfax, VA 22033-3821

Contact: Mr. James Hegerty
Phone: 703-631-6770

Hewlett-Packard Company
Hewlett-Packard POSIX Conformance Test Center
250 Apollo Drive
Chelmsford, MA 01824

Contact: Ms. Linda DeYoung
Phone: 508-256-6600

Mindcraft, Inc.
410 Cambridge Avenue
Palo Alto, CA 94306

Contact: Mr. Bruce Weiner
Phone: 415-323-9000

National Computing Centre Ltd
Oxford Road
Manchester, M1 7ED, ENGLAND

Contact: Ms. A. E. J. Pink
Phone: +44 61 228-6333

PERENNIAL
4699 Old Ironsides Drive, Suite 210
Santa Clara, CA 95054

Contact: Mr. Barry E. Hedquist
Phone: 408-748-2900

UniSoft Corporation
6121 Hollis Street
Emeryville, CA 94608-2092

Contact: Ms. Barb Moran
Phone: 415-420-6400

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).

Product Supplier: Apple Computer Inc.

Product Tested: A/UX   Version: 2.0.1   Release: 01/30/1991
System Hardware: Macintosh   Model: IIci
C Compiler: A/UX native C compiler (cc)   Version: 1.21   Release: 01/13/1991
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342   Mindcraft, Inc.
Date Issued: 05/24/91
Reference File #: APP7235

Product Tested: A/UX   Version: 2.0.1   Release: 01/30/1991
System Hardware: Macintosh   Model: IIfx
C Compiler: A/UX native C compiler (cc)   Version: 1.21   Release: 01/13/1991
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342   Mindcraft, Inc.
Date Issued: 05/24/91
Reference File #: APP2482

Product Tested: A/UX   Version: 2.0.1   Release: 01/30/1991
System Hardware: Macintosh   Model: IIsi
C Compiler: A/UX native C compiler (cc)   Version: 1.21   Release: 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: Control Data Corporation

Product Tested: EP/IX   Version: 1.3.1   Release: 03/21/1991
System Hardware: Control Data 4000   Model: 4330-250
C Compiler: EP/IX C Language RISCompiler 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 #: CDC5574

Product Tested: EP/IX   Version: 1.3.1   Release: 03/21/1991
System Hardware: Control Data 4000   Model: 4680
C Compiler: EP/IX C Language RISCompiler 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
Reference File #: CDC5750

Product Supplier: Data General Corporation

Product Tested: DG/UX Version: 4.32 Release:
System Hardware: AViion AV/400/4000 Model: AV/410
C Compiler: GNU C Compiler for AViion Sys Version: 1.37.23 Release:
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342   Mindcraft, Inc.
Date Issued: 05/24/91
Reference File #: DGC9391

Product Supplier: Digital Equipment Corporation

Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
System Hardware: VAXstation II Model: GPX
C Compiler: pcc Version: 4.2 Release:
PCTS: 151-1 Version: 1.1 - 04/26/91
APTL: 0342   Mindcraft, Inc.
Date Issued: 06/17/91
Reference File #: DEC5794

Product Tested: ULTRIX Version: 4.2 Release: May 31, 1991
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 #: DEC9418

Product Supplier: International Business Machines Inc

Product Tested: AIX Version: 3 Release: 1
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 #: IBM1344

Product Tested: AIX Version: 3 Release: 1
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 #: IBM2592

For further information on the NIST/CSL POSIX validation program contact James A. Hall, Computer
Systems Laboratory, B266 Technology Bldg., NIST, Gaithersburg, MD 20899. Telephone: 301-975-3273,
fax: 301-590-0932, e-mail: hall@swe.ncsl.nist.gov.
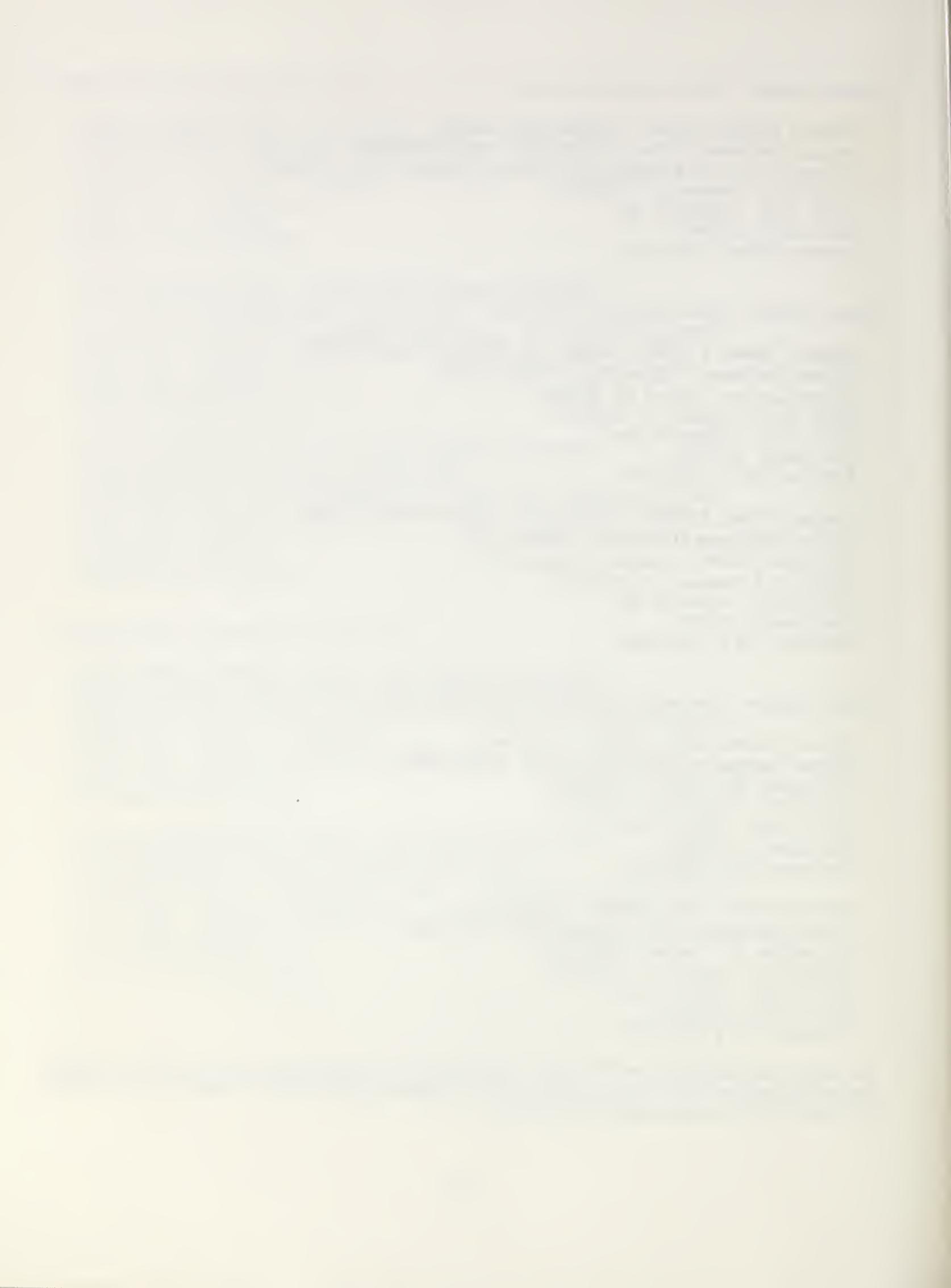
U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

BIBLIOGRAPHIC DATA SHEET

1. PUBLICATION OR REPORT NUMBER
NISTIR 4623
2. PERFORMING ORGANIZATION REPORT NUMBER
3. PUBLICATION DATE
July 1991

4. TITLE AND SUBTITLE

VALIDATED PROCESSOR LIST

5. AUTHOR(S)

Judy B. Kailey

6. PERFORMING ORGANIZATION (IF JOINT OR OTHER THAN NIST, SEE INSTRUCTIONS)

U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
GAITHERSBURG, MD 20899

7. CONTRACT/GRANT NUMBER

8. TYPE OF REPORT AND PERIOD COVERED

9. SPONSORING ORGANIZATION NAME AND COMPLETE ADDRESS (STREET, CITY, STATE, ZIP)

10. SUPPLEMENTARY NOTES

11. ABSTRACT (A 200-WORD OR LESS FACTUAL SUMMARY OF MOST SIGNIFICANT INFORMATION. IF DOCUMENT INCLUDES A SIGNIFICANT BIBLIOGRAPHY OR LITERATURE SURVEY, MENTION IT HERE.)

The Validated Processor List (VPL) identifies those COBOL, Fortran, Ada, and Pascal programming language processors that have a current validation certificate and those SQL language processors that have a registered test report, referencing the applicable Federal Information Processing Standard (FIPS) as of the date of this publication. This List also includes GOSIP Conformance Testing Registers; and POSIX Conformance testing Laboratories and Validated products. The testing of language processors to determine the degree to which they conform to the Federal Standards is required by Government agencies in accordance with the FIPS, Federal Information Resources Management Regulation (FIRMR) Parts 201.13 and 201.39, and the associated Federal ADP and Telecommunications Standards Index. This List is updated and published quarterly.

12. KEY WORDS (6 TO 12 ENTRIES; ALPHABETICAL ORDER; CAPITALIZE ONLY PROPER NAMES; AND SEPARATE KEY WORDS BY SEMICOLONS)

Ada, certificate; COBOL; compiler; FIPS; Fortran; GOSIP; operating system; Pascal; SQL; validation

13. AVAILABILITY

X	UNLIMITED
	FOR OFFICIAL DISTRIBUTION. DO NOT RELEASE TO NATIONAL TECHNICAL INFORMATION SERVICE (NTIS).
	ORDER FROM SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, DC 20402.
X	ORDER FROM NATIONAL TECHNICAL INFORMATION SERVICE (NTIS), SPRINGFIELD, VA 22161.

14. NUMBER OF PRINTED PAGES

67

15. PRICE

A04

ELECTRONIC FORM

U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
BLDG 225 ROOM A/266
GAITHERSBURG, MD 20899