

AD-A212 437

DTIC FILE COPY

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DATE July 27, 1989

TO: Information Services Branch

FROM: Computer Products Support Group FG : KT LY
(Init) (Init) (Init)

RE: DOD/SW/MT-89/022 ANNOUNCE IN GRA & I
(REPORT NO.)

PRIORITY ACTION IS REQUIRED

ASSIGNED

- Form NTIS 281
- Form 277/FCPC-01
- NTIS 79
- RDP (OF 272)
- Consigned Inventory Acquisition Form (Interagency Agreement Number and Split)

Process form:	
K File (Data)	<input type="checkbox"/> Documentation
	<input type="checkbox"/> Mag Tape
	<input type="checkbox"/> Diskette
H File (Software)	<input checked="" type="checkbox"/> Documentation
	<input checked="" type="checkbox"/> Mag Tape
	<input type="checkbox"/> Diskette

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 AUG 22 1989
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DISTRIBUTION STATEMENT A
 Approved for public release
 Distribution Unlimited

Actions:

- Defense Sponsored: Acquire ADA Number
- Order Pending. Return immediately after copying necessary pages.
- Forward processing pages for documentation to Document Control Section.
- Subscription request: _____ copies
- Shelf Stock request _____ copies
- Regular Processing. Do not send to Document Control Section.

89 8 18 007

Remarks:

Highlight
 The documentation is to be related to report numbers: DOD/SW/MT-89/023, DOD/SW/MT-89/024, DOD/SW/OK-89/025 and DOD/SW/MT-89/026

15. COMPUTER PRODUCT ABSTRACT

The Ada Compiler Validation Support (ACVC) is a program designed to determine if an Ada compiler conforms to the Ada Language Reference Manual (ALRM). A new official version of the ACVC is released regularly - currently an 18 month cycle. Six months prior to the expiration of an ACVC version, a field - test release of the subsequent version is made available for distribution. ACVC 1.10 was officially released in Jun 88 and will expire 30 Nov 89. . . Software Description: The model is written in the ADA programming language for implementation on a DEC VAX- 8650 computer using the VMS Version 4.7 operating system.

Accession For	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By Mag. Tape 1,000.00 NTIS	
Distribution	
Availability Codes	
Dist	Avail and/or Special
A-1	21



16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in ASCII character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording mode by specifying density only. Call NTIS Computer Products, if you have any questions.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran _____ COBOL _____ Basic _____ Assembly _____ Other (Specify) Ada

Software requires;

CPR Mfr. _____ Model(s) _____ Operating system(s) _____

Minimum of _____ K bytes core. The following special features and/or additional requirements in hardware:

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE

Steven G. White 513-255-4472
11 Jul 89

SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED

COMPUTER MAGNETIC TAPES FILE PROPERTIES

01. Completion Date <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Year</th> <th>Month</th> <th>Day</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Year	Month	Day				02. Form Prepared By (Name and Phone) Thomas H. Stripe (513) 255-4472			03. Reel ID Number (Property Control No.) ACVC 1.11 tar								
Year	Month	Day																		
04. Recording Date <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Year</th> <th>Month</th> <th>Day</th> </tr> <tr> <td>8</td> <td>9</td> <td>06</td> </tr> </table>			Year	Month	Day	8	9	06	05. File Identifier or Descriptive Title Ada Compiler Validation Capability (ACVC) Version 1.11 (Field-Test Release)			06. Short Title (External Label Name) ACVC11								
Year	Month	Day																		
8	9	06																		
07. Source Unavailable <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Year</th> <th>Month</th> <th>Day</th> <th>Yes</th> <th>No</th> <th>Available</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			Year	Month	Day	Yes	No	Available							08. Documentation Available (Enter Citation)			09. File Position on Reel ___ of ___		
Year	Month	Day	Yes	No	Available															
10. To Be Returned <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Yes</th> <th>No</th> <th>To Other Than The Sender</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Yes	No	To Other Than The Sender				11. Submitting Organization & Address ASD/SCEL ACVC Maintenance Organization Bldg 676 Wright-Patterson AFB, Ohio 45433-6503			12. Receiving Organization & Address U.S. Department of Commerce National Technical Information Service 5285 Port Royal Road Springfield, VA 22161								
Yes	No	To Other Than The Sender																		
13. Due Back Date <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Year</th> <th>Month</th> <th>Day</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Year	Month	Day				14. Technical Contact(s) & Phone Number(s) Steven P. Wilson (513) 255-4472											
Year	Month	Day																		

RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit Digital Equipment Corp VAX 8650	17. No. of Tracks		18. Parity		19. Density (BPI)
	16. Tape Subsystem DEC TU81E/AA	7	9	Other	Odd	
RECORDING SOFTWARE	20. Operating System, Release & Version VAX/VMS Version 4.7	22. Internal File Identifier				
	21. Utility Program or Data Base Language UNIXWRITE (FORTRAN)					
23. Characters Set (Graphics)	<input checked="" type="checkbox"/> ASCII <input type="checkbox"/> BCD <input type="checkbox"/> Other (Specify)	24. Recorded Label (Internal Label)				
	<input type="checkbox"/> EBCDIC <input type="checkbox"/> FIELDATA <input type="checkbox"/> Non-Print Codes	<input type="checkbox"/> Header <input type="checkbox"/> ANSI X 3.27 Standard <input type="checkbox"/> Other <input type="checkbox"/> Trailer <input type="checkbox"/> FIPS Standard <input checked="" type="checkbox"/> None				

FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical 1694	27. Record Type <input type="checkbox"/> Fixed Length <input checked="" type="checkbox"/> Other Than Fixed	28. Records/Block (Blocking Factor) N/A	29. TYPE OF FILE ORGANIZATION (Check One Box) <input checked="" type="checkbox"/> One File One Reel <input type="checkbox"/> One File Multiple Reels <input type="checkbox"/> Multiple Files One Reel <input type="checkbox"/> Multiple Files Multiple Reels
	26. Logical 1			
RECORD LENGTH	30. Physical <input checked="" type="checkbox"/> Bytes <input type="checkbox"/> Chars. <input type="checkbox"/> Words (Bits/Word)			
	31. Logical <input type="checkbox"/> Bytes <input checked="" type="checkbox"/> Chars. <input type="checkbox"/> Words (Bits/Word)			

SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes)	
Yes	No
X	
The ACVC is unclassified U.S. Software Technology. It should be distributed to domestic and foreign requesters according to U.S. Department of Commerce Regulations.	
33. For Submitting Organization Use	

06/21/89

ACVC 1.11 Tape Information
(Field-Test Release)

UNIX TAR Format

1 INTRODUCTION

The Ada Compiler Validation Capability, Version 1.11, was written in UNIX TAR format on one tape volume. The first file contained within the tape archive is ACVC11.LST, which contains the names of all of the remaining files contained within the TAR set.

2 TAPE FORMAT

The tape was written in UNIX TAR format at a density of 1600 bpi, with 20 records as the block size. An example of the directory path/filename given in the header for each file is

acvc11/tests/atests/a2/a21001a.ada

3 SPECIAL NOTE

Special attention must be given to the following four ACVC tests which contain line feed characters--ASCII control character LF--as part of the tests:

a22006c.ada b25002b.ada a22006e.ada b26005a.ada

Since UNIX TAR uses a line feed character to designate the end of a line of text, these line feed characters cause extra lines to be placed in each test. The tests are internally documented to describe the actual sequence of characters that the tests should contain.

4 TEST MODIFICATIONS

The Ada tests will be periodically updated and corrected. Their correctness is not guaranteed either by the ACVC Maintenance Organization (AMO) or by its contractor. Please report errors in writing to

Mr. Steven P. Wilson
ACVC Maintenance Organization
ASD/SCEL
Wright-Patterson AFB, OH 45433-6503

You will receive notification of changes to this version on a periodic basis. Please notify the AMO of any change of address.

5 IMPORTANT INFORMATION

The Field-Test release of ACVC Version 1.11 includes some required (".ADA") tests that were included in version 1.10 as ".DEP" tests. The file READ.ME on the tape discusses significant changes from ACVC 1.10 to ACVC 1.11. A hard copy of this file is included with this notice, under the title "Overview: Field-Test Release of ACVC Version 1.11."