

AD-A204 558

DATE 2-14-89

TO: Information Services Branch

FROM: Computer Products Support Group RT  
(Init)

KI  
(Init)

PL  
(Init) 1

RE: DCA/SW/MT-89/004 . Announce in GRA&I  
(Report No.)

Priority Action is Required

Attached

- Form NTIS 231.
- Form 277
- NTIS 79
- RDP (OF 272)
- Proof Listing
- Consigned Inventory Acquisition Form (Interagency Agreement Number and Split)

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

Action

- Loan Document Form Attached
- Defense Sponsored: Acquire ADA Number
- Order Pending. Return immediately after copying necessary pages.

**DTIC ELECTE**  
**S D**  
FEB 27 1989  
RD

Remarks

*Need ADA Number as soon as possible.  
Highlight!*

**DISTRIBUTION STATEMENT A**  
Approved for public release  
Distribution Unlimited

Computer Products Transmittal

89 2 24 033



**NTIS COMPUTER PRODUCTS CATALOG DATA SHEET**

**15. COMPUTER PRODUCT ABSTRACT**

This software package provides the capability to conformance test the Department of Defense suite of upper level protocols including: Internet Protocol (IP) Mil-Std 1777, Transmission Control Protocol (TCP) Mil-Std 1778, File Transfer Protocol (FTP) Mil-Std 1780, Simple Mail Transfer Protocol (SMTP) Mil-Std 1781, and TELNET Protocol Mil-Std 1782. The software runs under the Ultrix 1.1 Operating System and requires a DEC VAX series cpu with at least 8 MB main memory and a network interface... Software Description: The model is written in the C programming language for implementation on an DEC VAX 11/750 computer using the Ultrix 1.1 operating system. Memory requirement is 8000K bytes. (KR) ←

DTIC  
COPY  
INSPECTED  
1

Accession For	
NTIS CRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
MT 625 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) C

Software requires;

CPR Nr. DEC Model(s) VAX Operating system(s) Utrix 1.1

Minimum of 8000 K bytes core. The following special features and/or additional requirements in hardware:

Network interface and software drivers

**SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE**

Martin R. Gross 703-437-2165

**SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED**

## COMPUTER MAGNETIC TAPE 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>8</td> <td>9</td> <td>0</td> </tr> </table>		Year	Month	Day	8	9	0	02. Form Prepared By (Name and Phone) Martin R. Gross 703-437-2165		03. Reel ID Number (Property Control No.) DCA001	
Year	Month	Day									
8	9	0									
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>0</td> </tr> </table>		Year	Month	Day	8	9	0	05. File Identifier or Descriptive Title Defense Communications Agency Upper Level Protocol Test System		06. Short Title (External Label Name)	
Year	Month	Day									
8	9	0									
07. Source Unavailable <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				08. Documentation Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Available (Enter Citation)		09. File Position on Reel _____ of _____	
Year	Month	Day									
10. To Be Returned Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> To Other Than The Sender		11. Submitting Organization & Address Defense Communications Agency Defense Communications Eng. Ctr. Code R640 1860 Wiehle Ave. Reston, VA 22090-5500		12. Receiving Organization & Address National Technical Information Service Springfield, VA 22161							
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) Martin R. Gross 703-437-2165			
Year	Month	Day									

### RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit DEC VAX 11/750	17. No. of Tracks			18. Parity		19. Density (BPI) 6250 or 1600
	16. Tape Subsystem DEC TU80	7	9	Other	Odd	Even	
RECORDING SOFTWARE	20. Operating System, Release & Version Ultrix 1.1		22. Internal File Identifier				
	21. Utility Program or Data Base Language Unix tar						
23. Characters Set (Graphics)	<input checked="" type="checkbox"/> ASCII <input type="checkbox"/> BCD <input type="checkbox"/> Other (Specify) <input type="checkbox"/> EBCDIC <input type="checkbox"/> FIELDATA <input type="checkbox"/> Non-Print Codes		24. Recorded Label (Internal Label) <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 1051	27. Record Type <input checked="" type="checkbox"/> Fixed Length <input type="checkbox"/> Other Than Fixed		28. Records/Block (Blocking Factor) 20	29. TYPE OF FILE ORGANIZATION (Check One Box) <input type="checkbox"/> One File One Reel <input type="checkbox"/> One File Multiple Reels <input checked="" type="checkbox"/> Multiple Files One Reel <input type="checkbox"/> Multiple Files Multiple Reels
	26. Logical 2000				
RECORD LENGTH	30. Physical 10240	<input checked="" type="checkbox"/> Bytes	<input type="checkbox"/> Chars.	<input type="checkbox"/> Words (Bits/Word)	
	31. Logical 512	<input checked="" type="checkbox"/> Bytes	<input type="checkbox"/> Chars.	<input type="checkbox"/> Words (Bits/Word)	

### SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints (Specify if Yes)	
Yes	No
	<input checked="" type="checkbox"/>
33. For Submitting Organization Use	

## INSTRUCTIONS

### GENERAL:

The purpose of this form is to facilitate the interchange of recorded magnetic tape. This form is not intended to replace other subject matter/content documentation. If elements of documentation are available, they should be attached, or their location should be indicated in Item 8. Examples are: description of the record and/or file content; file layout; record format; record sequence; file type (data, bibliographic, source or object program; "as of" date; period of coverage; record names; file function; location and number of tape marks; character set; padding character information; last block conventions; special (record/file) separation (marks/characters); end of file or end of reel conventions (other than standard labels); and characteristics peculiar to the operating system or the practices of the generating agency. See FIPS PUB 20 for a discussion of the elements of file documentation for information interchange.

A separate form should be completed for each file.

01. **Completion Date.** Enter the date this form was prepared.
02. **Form Prepared By.** Enter the name and phone number (including area code) of the individual who prepared this form.
03. **Reel I.D. Number.** Enter the number which uniquely identifies this reel. It, generally, will be a property control number for the submitting organization. If the file is recorded on multiple reels, enter the first reel number in this item and list all others, in sequence, in Item 33. This information is used to identify the tape reels transmitted.
04. **Recording Date.** Enter the date the reels identified in Item 3 were recorded (copied).
05. **File Identifier or Descriptive Title.** Enter the name used to identify the file. If it is a generally known file, use the name by which it is commonly known. If it is not generally known, make the title as descriptive as possible.
06. **Short Title.** Enter the commonly used abbreviation or acronym which identifies the file. This will usually be the file identification written on the external (gummed) reel label.
07. **Source Unavailable.** Enter the date when your organization will no longer be able to supply a copy of this file.
08. **Documentation Available.** Enter an "X" in the appropriate box. If documentation is available, but is not being forwarded to the recipient as part of this transaction, provide in this space a bibliographic citation or mailing address.
09. **File Position on Reel.** If this is the first or only file on the reel, enter a "1". If the reel contains multiple files, enter the file's position number on the reel. See Item 29.
10. **To Be Returned.** Enter an "X" in the appropriate box. If the file is to be returned to an organization other than the sender, enter an "X" in "to other than sender", fill in Item 13, and enter the appropriate address in Item 33; or include a completed mailing label, and enter instructions for return in Item 33.
11. **Submitting Organization and Address.** Identify the sending organization. Fill in complete mailing address, including street, city, state, and zip code of the sending organization.
12. **Receiving Organization and Address.** Identify the receiving organization. Fill in complete mailing address, including street, city, state, and zip code. If possible, include the name of the individual who is expecting the file.
13. **Due Back Date.** Enter the date the file is expected to be returned, if the "Yes" box was checked in Item 10.
14. **Technical Contact(s) and Phone Number(s).** Enter person(s) or office(s) to be contacted for clarification and further information concerning the tape reel contents. Include telephone area code. Provide the organization name and mailing address (in Item 33), if different from that in Item 11.

### RECORDING SYSTEM CHARACTERISTICS

#### EQUIPMENT MANUFACTURER AND MODEL

15. **Processing Unit.** Enter the manufacturer's name and model number of the computer used (or emulated) to record the data.
16. **Tape Sub System.** Enter the manufacturer's name and model number of the tape drive used (or emulated) to record the data.
17. **Number of Tracks.** Enter an "X" in the appropriate box. If "Other" is checked, enter the number of tracks in Item 33.
18. **Parity.** Enter an "X" in the appropriate box.
19. **Density.** Enter the number of bits recorded per inch (e.g.: 200,556,800,1600,6250 BPI). For those unusual cases where "characters per inch" must be used, explain in Item 33.

### RECORDING SOFTWARE

20. **Operating System, Release and Version.** Identify the system software used to record this tape.
21. **Utility Program or Data Base Language.** Enter the name of the utility program used to copy the tape or the data base language used to create it. Identify the release and/or level.
22. **Internal File Identifier.** If there is a recorded label, enter the file identification (e.g., Data Set Name) used in the label.
23. **Character Set (Graphics).** Place an "X" in all appropriate boxes. If "Other" and/or "non-print codes" are checked, describe briefly in Item 33 and supply appropriate documentation. If nonprinting formats (such as packed decimal or three-bytes-in-four-characters) are used, specify in Item 33 and include documentation.
24. **Recorded Label (Internal Label).** Enter an "X" in all appropriate boxes. If "Other" is checked, include documentation of the label(s).

### FILE CHARACTERISTICS

#### NUMBER OF RECORDS

25. **Physical.** Enter the number of physical records (blocks) in the file. This number is normally supplied by utility programs which copy physical records without regard to the logical structure of the tape. Labels are not included in this count.
26. **Logical.** Enter the number of logical records in the file. This number is usually supplied by the program which created the file. Labels are not included in this count.
27. **Record Type.** Enter an "X" in the appropriate box. If "Other" is checked, provide documentation on how physical and logical record length control is established.
28. **Records/Block (Blocking Factor).** If "fixed length" is checked in Item 27, enter the blocking factor.
29. **Type of File Organization.** Enter an "X" in the appropriate box. If this form accompanies a single reel of tape which contains a single file, check "one file, one reel". If this form accompanies several reels of tape which contain a single file, check "one file, multiple reels". If this form is one of several which accompany a single reel of tape containing several files, check "multiple files, one reel". Finally, if this form accompanies several reels of tape which contain several files, check "multiple files, multiple reels" and describe this file's position in the file set in Item 33.

#### RECORD LENGTH

If the record is not fixed length, enter the maximum size record length, and describe techniques used to control and indicate size in Item 33. Enter an "X" in the appropriate box to indicate the unit of measurement. If size is indicated in number of words, also enter the word size as "bits per word".

30. **Physical.** Enter the physical record length (block size).
31. **Logical.** Enter the logical record length.

### SUPPLEMENTAL INFORMATION

32. **Use/Handling Constraints.** If the data in this file is subject to National Security classification, Atomic Energy Act classification, any Privacy Act constraints, Reproduction constraints, etc., enter an "X" in the "Yes" box. If "Yes" has been checked, indicate the security level and procedures to be followed.
33. **For Submitting Organization Use.** This area is provided for use of the organization submitting this form. It may contain any additional information useful to the recipient of the file. If information is entered here as a result of checks in other item numbers, the information should be identified by the corresponding item number. Use additional pages, if necessary.