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CMLD-81-08

**DAVID W. TAYLOR NAVAL SHIP
RESEARCH AND DEVELOPMENT CENTER**

Bethesda, Maryland 20084



COMPUTER CENTER
CDC LIBRARIES/PROCFIL (PROCEDURES)

by

David V. Sommer

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Computation, Mathematics and Logistics Department
Departmental Report

February 1981

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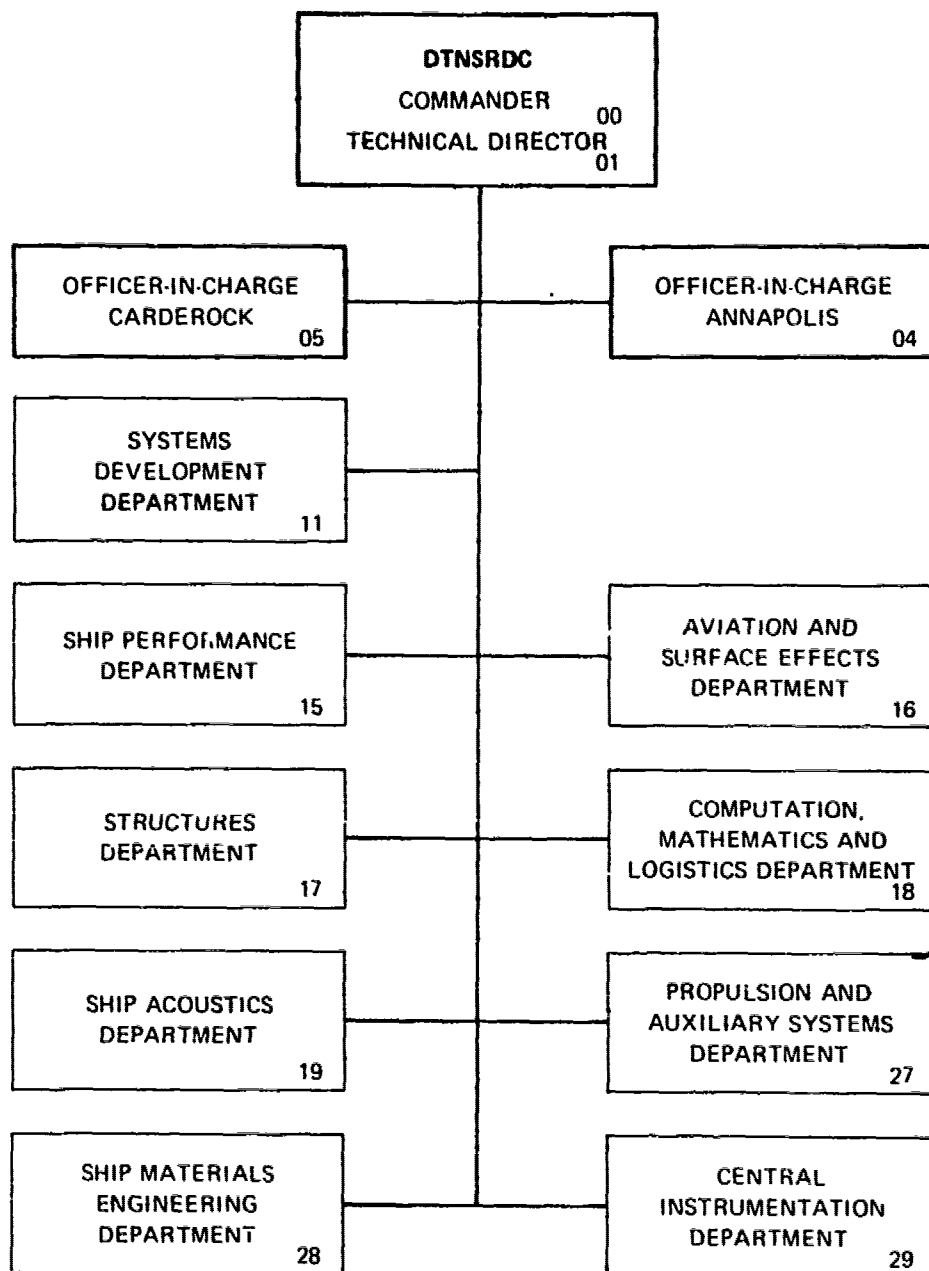
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Computer Center CDC Libraries/PROCFIL (Procedures), CLIB/P, is a reference manual which described all of the catalogued procedures (sets of control cards to accomplish a task) in library PROCFIL on the CDC 6000/ Cyber 74 computers at DTNSRDC. These procedures include document/source program/procedure file maintenance, program compilation/loading/execution, permanent file audit/rename, special copy functions. CLIB/P lists the procedures by functional category and alphabetically with a descriptive title. All machine-readable documents detailing the use of these procedures are included.		

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COMPUTER CENTER
CDC LIBRARIES / PROCFIL
(PROCEDURES)

BY
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USER SERVICES BRANCH
CODE 1892

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* - A LISTING OF THE DOCUMENTS IS NOT INCLUDED IN THIS TABLE OF CONTENTS (SEE PAGE 1-7). AS NEW ROUTINES ARE DEVELOPED, THEY WILL BE INSERTED ALPHABETICALLY INTO THIS DOCUMENT AND MAY BE PRINTED ON THE COMPUTER.

***** INTRODUCTION *****

THE COMPUTER CENTER MAKES AVAILABLE ON THE CDC COMPUTERS, IN ADDITION TO THE NOS/BE OPERATING SYSTEM, A WIDE VARIETY OF BOTH SCIENTIFIC AND UTILITY PROGRAMS, SUBPROGRAMS AND CATALOGUED PROCEDURES. MOST OF THE ROUTINES ARE MAINTAINED IN LIBRARIES ON PERMANENT FILES AND MAY BE INVOKED BY THE APPROPRIATE (LOADER) CONTROL CARDS. A FEW PROGRAMS ARE AVAILABLE AS INDEPENDENT PERMANENT FILES.

THE CLIB-SERIES OF MANUALS CONSISTS OF THE FOLLOWING, WHICH DESCRIBE THE CONTENTS OF THE VARIOUS CDC 6000 LIBRARIES MAINTAINED BY THE COMPUTER CENTER:

CLIB	- COMPUTER CENTER CDC LIBRARIES	CMLD-81-06
CLIB/N	- COMPUTER CENTER CDC LIBRARIES/NSRDC (SUBPROGRAMS)	CM'D-81-07
CLIB/P	- COMPUTER CENTER CDC LIBRARIES/PROCFIL (PROCEDURES)	CMLD-81-08
CLIB/U	- COMPUTER CENTER CDC LIBRARIES/UTILITY (PROGRAMS)	CMLD-81-09
CLIB/M	- COMPUTER CENTER CDC LIBRARIES/MNSRDC (PROGRAMS)	

THIS MANUAL, CLIB/P, IS A REFERENCE MANUAL WHICH DESCRIBES MOST OF CATALOGUED PROCEDURES IN LIBRARY 'PROCFIL'.

*** HOW TO USE THIS MANUAL ***

THE PROCEDURES ARE CLASSIFIED IN ONE OR MORE FUNCTIONAL CATEGORIES (SEE PAGE 1-2 FOR A LIST OF CATEGORIES). THEY ARE LISTED, BEGINNING ON PAGE 1-5, UNDER THE VARIOUS CATEGORIES. THE INDIVIDUAL PROCEDURES ARE LISTED, WITH DESCRIPTIVE TITLE, BEGINNING ON PAGE 1-7. CHAPTER 2 CONTAINS ALL CURRENTLY AVAILABLE MACHINE-READABLE DOCUMENTS DESCRIBING THE USE OF PROCEDURES IN LIBRARY 'PROCFIL'.

*** LIBRARY PROCFIL ***

A CATALOGUED PROCEDURE IS A SET OF CONTROL CARDS WHICH ACCOMPLISH A TASK. LIBRARY 'PROCFIL' CONTAINS MANY DTNSRDC WRITTEN AND/OR SUPPORTED PROCEDURES.

*** EXECUTING A PRODECURE ***

MOST OF THE PROCEDURES MAY BE EXECUTED BY:

BEGIN,<PROCNAME>,<PARAMETERS>.

THE INDIVIDUAL DOCUMENTS DESCRIBE THE <PARAMETERS>, IF ANY, AND THE METHOD OF EXECUTION.

*** FUNCTIONAL CATEGORIES ***

THE FOLLOWING FUNCTIONAL CATEGORIES ARE USED AT DTNSRDC. THOSE CATEGORIES PRECEDED BY AN ASTERISK (*) ARE LOCAL DTNSRDC CATEGORIES. THE OTHER ARE FROM THE VIM (CDC USERS GROUP) LIST.

- A0 ARITHMETIC ROUTINES
- A1 REAL NUMBERS
- A2 COMPLEX NUMBERS
- A3 DECIMAL
- A4 I/O ROUTINES

- B0 ELEMENTARY FUNCTIONS
- B1 TRIGONOMETRIC
- B2 HYPERBOLIC
- B3 EXPONENTIAL AND LOGARITHMIC
- B4 ROOTS AND POWERS

- C0 POLYNOMIALS AND SPECIAL FUNCTIONS
- C1 EVALUATION OF POLYNOMIALS
- C2 ROOTS OF POLYNOMIALS
- C3 EVALUATION OF SPECIAL FUNCTIONS (NON-STATISTICAL)
- C4 SIMULTANEOUS NON-LINEAR ALGEBRAIC EQUATIONS
- C5 SIMULTANEOUS TRANSCENDENTAL EQUATIONS
- * C6 ROOTS OF FUNCTIONS

- D0 OPERATIONS ON FUNCTIONS AND SOLUTIONS OF DIFFERENTIAL EQUATIONS
- D1 NUMERICAL INTEGRATION
- D2 NUMERICAL SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS
- D3 NUMERICAL SOLUTIONS OF PARTIAL DIFFERENTIAL EQUATIONS
- D4 NUMERICAL DIFFERENTIATION

- E0 INTERPOLATION AND APPROXIMATIONS
- E1 TABLE LOOK-UP AND INTERPOLATION
- E2 CURVE FITTING
- E3 SMOOTHING
- E4 MINIMIZING OR MAXIMIZING A FUNCTION

- F0 OPERATIONS ON MATRICES, VECTORS & SIMULTANEOUS LINEAR EQUATIONS
- F1 VECTOR AND MATRIX OPERATIONS
- F2 EIGENVALUES AND EIGENVECTORS
- F3 DETERMINANTS
- F4 SIMULTANEOUS LINEAR EQUATIONS

- G0 STATISTICAL ANALYSIS AND PROBABILITY
- G1 DATA REDUCTION (COMMON STATISTICAL PARAMETERS)
- G2 CORRELATION AND REGRESSION ANALYSIS
- G3 SEQUENTIAL ANALYSIS
- G4 ANALYSIS OF VARIANCE
- G5 TIME SERIES
- G6 SPECIAL FUNCTIONS (INCLUDES RANDOM NUMBERS AND PDF'S)
- * G7 MULTIVARIATE ANALYSIS AND SCALE STATISTICS
- * G8 NON-PARAMETRIC METHODS AND STATISTICAL TESTS
- * G9 STATISTICAL INFERENCE

H0 OPERATIONS RESEARCH TECHNIQUES, SIMULATION & MANAGEMENT SCIENCE
H1 LINEAR PROGRAMMING
H2 NON-LINEAR PROGRAMMING
H3 TRANSPORTATION AND NETWORK CODES
H4 SIMULATION MODELING
H5 SIMULATION MODELS
H6 CRITICAL PATH PROGRAMS
H8 AUXILIARY PROGRAMS
H9 COMBINED

I0 INPUT
I1 BINARY
I2 OCTAL
I3 DECIMAL
I4 BCD (HOLLERITH)
I9 COMPOSITE

J0 OUTPUT
J1 BINARY
J2 OCTAL
J3 DECIMAL
J4 BCD (HOLLERITH)
J5 PLOTTING
J7 ANALOG
J9 COMPOSITE

K0 INTERNAL INFORMATION TRANSFER
K1 EXTERNAL-TO-EXTERNAL
K2 INTERNAL-TO-INTERNAL (RELOCATION)
K3 DISK
K4 TAPE
K5 DIRECT DATA DEVICES

L0 EXECUTIVE ROUTINES
L1 ASSEMBLY
L2 COMPILING
L3 MONITORING
L4 PREPROCESSING
L5 DISASSEMBLY AND DERELATIVIZING
L6 RELATIVIZING
L7 COMPUTER LANGUAGE TRANSLATORS

M0 DATA HANDLING
M1 SORTING
M2 CONVERSION AND/OR SCALING
M3 MERGING
M4 CHARACTER MANIPULATION
M5 SEARCHING, SEEKING, LOCATING
M6 REPORT GENERATORS
M9 COMPOSITE

N0 DEBUGGING
N1 TRACING AND TRAPPING
N2 DUMPING
N3 MEMORY VERIFICATION AND SEARCHING
N4 BREAKPOINT PRINTING

00 SIMULATION OF COMPUTERS AND DATA PROCESSORS (INTERPRETERS)
01 OFF-LINE EQUIPMENT (LISTERS, REPRODUCERS, ETC.)
03 COMPUTERS
04 PSEUDO-COMPUTERS
05 SOFTWARE SIMULATION OF PERIPHERALS
09 COMPOSITE

P0 DIAGNOSTICS (HARDWARE MALFUNCTION)

Q0 SERVICE OR HOUSEKEEPING, PROGRAMMING AIDS
Q1 CLEAR/RESET
Q2 CHECKSUM ACCUMULATION AND CORRECTION
Q3 REWIND, TAPE MARK, LOAD CARDS, LOAD TAPE PROGRAMS, ETC.
Q4 INTERNAL HOUSEKEEPING, SAVE, RESTORE, ETC.
Q5 REPORT GENERATOR SUBROUTINES
Q6 PROGRAM DOCUMENTATION: FLOW CHARTS, DOCUMENT, STANDARDIZATION
Q7 PROGRAM LIBRARY UTILITIES

R0 LOGIC AND SYMBOLIC
R1 FORMAL LOGIC
R2 SYMBOL MANIPULATION
R3 LIST AND STRING PROCESSING
R4 TEXT EDITING

S0 INFORMATION RETRIEVAL

T0 APPLICATIONS AND APPLICATION-ORIENTED PROGRAMS
T1 PHYSICS (INCLUDING NUCLEAR)
T2 CHEMISTRY
T3 OTHER PHYSICAL SCIENCES (GEOLOGY, ASTRONOMY, ETC.)
T4 ENGINEERING
T5 BUSINESS DATA PROCESSING
T6 MANUFACTURING (NON-DATA) PROCESSING AND PROCESS CONTROL
T7 MATHEMATICS AND APPLIED MATHEMATICS
T8 SOCIAL AND BEHAVIORAL SCIENCES AND PSYCHOLOGY
T9 BIOLOGICAL SCIENCES
T10 REGIONAL SCIENCES (GEOGRAPHY, URBAN PLANNING)
T11 COMPUTER ASSISTED INSTRUCTION

U0 LINGUISTICS AND LANGUAGES

V0 GENERAL PURPOSE UTILITY SUBROUTINES
V1 RANDOM NUMBER GENERATORS
V2 COMBINATORIAL GENERATORS: PERMUTATIONS, COMBINATIONS & SUBSETS
* V3 STANDARD AND SPECIAL PROBLEMS

X0 DATA REDUCTION
X1 RE-FORMATTING, DECOMMUTATION, ERROR DIAGNOSIS
X2 EDITING
X3 CALIBRATION
X4 EVALUATION
X5 ANALYSIS (TIME-SERIES ANALYSIS)
X6 SIMULATION (GENERATE TEST DATA FOR DATA REDUCTION SYSTEM)

Y0 INSTALLATION MODIFICATION
Y1 INSTALLATION MODIFICATION LIBRARY
Y2 NEWPL TAPE OF INSTALLATION MODIFICATIONS

Z0 ALL OTHERS

*** LIST OF PROCEDURES BY CATEGORY ***

THE PUBLIC-ACCESS PROCEDURES ARE LISTED BELOW UNDER THEIR FUNCTIONAL CATEGORIES. AN ALPHABETICAL LIST, WITH A BRIEF DESCRIPTION OF EACH PROCEDURE BEGINS ON PAGE 1-7.

J1	BINARY		
	CV029		
J4	BCD (HOLLERITH)		
	BANNERS	LINE6	PM
	COMQ	LINE8	
J5	PLOTTING		
	CALC3D		
K1	EXTERNAL-TO-EXTERNAL		
	COPYS	RECADD1	RECGET1
	PFTRAN1	RECDEL1	RECREP1
K3	DISK		
	COPYLIB	UPDADD	UPDGETT
	PROS2R	UPDDELE	UPDREPL
	SELDUMP	UPDGET	
	TRANPAK	UPDGETS	
K4	TAPE		
	B7700S	COPYBLK	
	B7700U	SELLOAD	
L0	EXECUTIVE ROUTINES		
	ANYLIB	LIBPROA	NOGO
	ANYPRO	LIBSET1	PROGRAM
	ANYPROS	LIBSET2	SEGLD
	BIGLOAD	MNSRDC	S2K260
	DISPOST	MYPRO	UTILITY
	LIBPRO	MYPROS	
L2	COMPILING		
	RUNBAS	RUNMNF	RUNSEQ
	RUNFTN	RUNPAS	RUNTS
M1	SORTING		
	AUDIT	SORT	SORTCZ
M2	CONVERSION AND/OR SCALING		
	BR2CCL	CV029	
O1	OFF-LINE EQUIPMENT (LISTERS, REPRODUCERS, ETC.)		
	CV029	MANUAL	RECDOC
	DOCDATE	PROALL	TIDBITS
	DOCDOC	PRODOC	UPDDOC
	LIST	PROLIST	UPDLIST

Q0	SERVICE OR HOUSEKEEPING, PROGRAMMING AIDS		
	AUDIT	COMQ	NORERUN
	BANNERS	GETPROD	SEND
	BDT	MFx	WHATLIB
Q3	FILE MANIPULATION		
	ANYLIB	LIBPROA	NOGD
	ANYPRO	LIBSET1	PROGRAM
	ANYPROS	LIBSET2	SEGLD
	BIGLOAD	MNSRDC	S2K260
	DISPOST	MYPRO	UPDLIST
	LIBPRO	MYPROS	UTILITY
Q4	INTERNAL HOUSEKEEPING. SAVE, RESTORE, ETC.		
	ADDEXT	PFRSTOR	PURGEN
	PAC	PHC	RENAMAC
	PAHC	PLC	SELDUMP
	PALC	PURGALL	SELLOAD
Q6	PROGRAM DOCUMENTATION: FLOW CHARTS, DOCUMENT	STANDARDIZATION	
	DOCADD	DOCGET	DOCTAPE
	DOCDELE	DOCLIST	LGOTREE
	DOCFIL	DOCREPL	PGMTAPE
Q7	PROGRAM LIBRARY UTILITIES		
	COPYLIB	PRONAM	UPDGET
	PROADD	PROREPL	UPDGETS
	PRODELE	PROS2R	UPDGETT
	PROGET	UPDADD	UPDREPL
	PROHDR	UPDDELE	
S0	INFORMATION RETRIEVAL		
	AUDIT	GRIP	
	CCNOTE	VENUS	

*** DESCRIPTIVE TITLES ***

THE PUBLIC-ACCESS PROCEDURES ARE LISTED ALPHABETICALLY BELOW.

ADDEXT	MODIFY PRIVATE PACK DUM FILE FOR LEVEL 508 DUMPF/LOADPF
ANYLIB	EXECUTE A PROGRAM ON ANY EDITLIB USER LIBRARY
ANYPRO	EXECUTE A PROCEDURE ON ANY CATALOGUED RANDOM PROCEDURE FILE
ANYPROS	EXECUTE A PROCEDURE ON ANY CATALOGUED SEQUENTIAL PROCEDURE FILE
AUDIT	SORTED USER AUDIT
BANNERS	PRINT A PAGE WITH 1 TO 8 BANNERS
BDT	PRINT A BANNER PAGE WITH DATE AND TIME
BIGLOAD	CREATE AN ABSOLUTE FILE WHICH WILL ALLOW SOME LARGE PROGRAMS TO LOAD IN LESS CORE THAN NORMALLY NEEDED
BR2CCL	CONVERT SEQUENTIAL (UNIVERSITY OF WASHINGTON) BEGIN/REVERT PROCEDURE FILE TO SEQUENTIAL (CDC-SUPPORTED) CYBER CONTROL LANGUAGE FILE AND, OPTIONALLY, CATALOG THE CCL FILE
B7700S	PREPARE 9-TRACK EBCDIC TAPE TO MOVE A SINGLE CARD-IMAGE PERMANENT FILE FROM THE CDC 6000 TO THE BURROUGHS B7700
B7700U	PREPARE 9-TRACK EBCDIC TAPE TO MOVE A SINGLE DECK OR ALL DECKS IN AN UPDATE LIBRARY FROM THE CDC 6000 TO THE BURROUGHS B7700
CALC3D	THREE-D PROCEDURE FOR CALCOMP PLOTTERS
CCNOTE	PRINT A COMPUTER CENTER NOTE OR THE CCN INDEX
COMQ	PREPARE AND ROUTE A FILE TO THE MICROFICHE QUEUE
COPYBLK	REBLOCK STRANGER TAPES TO SCOPE STANDARD FILES (BOTH UNBLOCKED CARD AND PRINT LINE IMAGE TAPES AND BLOCKED STRANGER TAPES)
COPYLIB	CONDENSE (AND SORT) AN EDITLIB USER LIBRARY PRESERVING AL, FL, FLO VALUES. BINDEK AND LISTBIN LISTS ARE PROVIDED.
COPYS	ATTACH, EXECUTE AND RETURN THE RIQSCOPYS PROGRAM
CV029	CONVERT TO 029 PUNCH CODE
DISPOST	INVOKE THE TEKTRONIX POSTPROCESSOR
DOCADD	ADD ONE DOCUMENT TO A DOCUMENTATION FILE
DOCDATE	LIST DOCUMENT NAMES (ON *DECK CARDS) TOGETHER WITH THE DOCUMENT DATE AND PAGE NUMBERS (FROM BOTTOM LINE OF EACH PAGE)

DOCDELE DELETE ONE DOCUMENT FROM A DOCUMENTATION FILE

DOCDOC LIST DOCUMENTATION FOR PROCEDURES DOCADD, DOCDATE, DOCDELE, DOCDUC, DOCFILE, DOCGET, DOCLIST, DOREPL

DOCFILE ATTACH A DOCUMENTATION FILE

DOCGET GET (EXTRACT) SPECIFIED DOCUMENT FROM A DOCUMENTATION FILE

DOCLIST LIST DOCUMENT NAMES (ON *DECK) CARDS IN A DOCUMENTATION FILE

DOCREPL REPLACE ONE DOCUMENT IN A DOCUMENTATION FILE

DOCTAPE EXTRACT (PRINT) ONE OR ALL DOCUMENTS FROM A DOCUMENT FILE ON TAPE

GETPROD GET PRODUCTS FILE(S) FOR NOS/BE LEVELS 461, 439, 434, 420, 414, 410, 406, 401, 380

GRIPE ALLOW USER TO MAKE GRIPES OR SUGGESTIONS DIRECTLY TO THE COMPUTER

LGOTREE GENERATE CROSS-REFERENCE LISTS AND TREE STRUCTURE FROM BINARY RELOCATABLE OBJECT FILE

LIBPRO EXECUTE A PROCEDURE ON LIBRARY 'PROCFIL' CATALOGED UNDER ANY ID

LIBPROA EXECUTE A PROCEDURE ON ANY CATALOGUED PROCEDURE LIBRARY

LIBSET1 CREATE SIMPLE ABSOLUTE USING ONE EDITLIB LIBRARY

LIBSET2 CREATE SIMPLE ABSOLUTE USING TWO EDITLIB LIBRARIES

LINE6 SET PRINT FILE TO 6 LINES PER INCH

LINE8 SET PRINT FILE TO 8 LINES PER INCH

LIST LIST A PERMANENT FILE

MANUAL PRINT ONE COPY OF A MANUAL OR ITS REVISION PAGES

MFx TELL INTERACTIVE USER WHICH MAINFRAME HE IS USING

MNSRDC EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'MNSRDC'

MYPRO EXECUTE A PROCEDURE ON SEQUENTIAL FILE 'PROCFIL' CATALOGED UNDER ANY ID

MYPROS EXECUTE A PROCEDURE ON SEQUENTIAL FILE 'PROCFILS' CATALOGED UNDER ANY ID

NOGO CREATE SIMPLE ABSOLUTE FROM RELOCATABLE

NORERUN INSURE THAT A BATCH JOB CANNOT BE RERUN BY OPERATOR TYPE-IN

PAC	PURGE ALL CYCLES OF A FILE
PAHC	PURGE ALL HIGH CYCLES OF A FILE WHILE RETAINING THE LOW CYCLE
PALC	PURGE ALL LOW CYCLES OF A FILE WHILE RETAINING THE HIGH CYCLE
PFRSTOR	CREATE A FILE OF DIRECTIVES TO RESTORE PERMANENT FILES
PFTRAN1	INVOKE PFTRANS TO TRANSFER ONE FILE
PGMTAPE	EXTRACT A SOURCE PROGRAM FROM TAPE
PHC	PURGE HIGH CYCLE OF A FILE WHILE RETAINING THE LOW CYCLE
PLC	PURGE LOW CYCLE OF A FILE WHILE RETAINING THE HIGH CYCLE
PM	CREATE CERTAIN PRINT MESSAGE (PM) RECORDS
PROADD	ADD ONE PROCEDURE TO A SEQUENTIAL PROCEDURE FILE
PROALL	LIST PROCEDURE NAMES, PROCEDURE HEADERS AND THE PROCEDURES IN A SEQUENTIAL PROCEDURE FILE (COMBINES PRONAM, PROHDR AND PROLIST)
PRODELE	DELETE ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE
PRODOC	LIST DOCUMENTATION FOR PROCEDURES PROADD, PROALL, PRODELE, PRODOC, PROGET, PROHDR, PROLIST, PRONAM, PROREPL, PROS2R
PROGET	GET (EXTRACT) ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE
PROGRAM	EXECUTE A CATALOGED PROGRAM (NOT IN A LIBRARY)
PROHDR	LIST PROCEDURE HEADERS IN A PROCEDURE FILE
PROLIST	LIST PROCEDURE(S) IN A SEQUENTIAL PROCEDURE FILE
PRONAM	LIST NAMES OF PROCEDURES IN A SEQUENTIAL PROCEDURE FILE
PROREPL	REPLACE ONE PROCEDURE IN A SEQUENTIAL PROCEDURE FILE
PROS2R	CONVERT SEQUENTIAL PROCEDURE FILE TO RANDOM EDITLIB USER LIBRARY
PURGALL	PURGE PERMANENT FILES OF SPECIFIED AC AND ID
PURGEN	GENERATE PROCEDURE 'PUR' TO PURGE SEVERAL FILES WITH COMMON KERNEL

RECADD1 ADD ONE OR MORE LOGICAL RECORDS TO A FILE

RECDL1 DELETE ONE OR MORE LOGICAL RECORDS FROM A FILE

RECDL1 LIST DOCUMENTATION FOR PROCEDURES RECADD1, RECDL1, RECDL1, RECGET1, RECDL1

RECGET1 EXTRACT ONE OR MORE LOGICAL RECORDS FROM A FILE

RECDL1 REPLACE ONE OR MORE LOGICAL RECORDS IN A FILE

RENAMAC RENAME AC FIELD ON PERMANENT FILES

RUNBAS COMPILE AND EXECUTE BASIC PROGRAM (SIMILAR TO EDITOR RUN,BAS FOR USE OUTSIDE OF EDITOR)

RUNFTN COMPILE AND EXECUTE FTN PROGRAM (SIMILAR TO EDITOR RUN,FTN FOR USE OUTSIDE OF EDITOR)

RUNMNF COMPILE AND EXECUTE MNF PROGRAM UNDER INTERCOM

RUNPAS COMPILE AND EXECUTE PASCAL PROGRAM UNDER INTERCOM

RUNSEQ COMPILE AND EXECUTE FTN,SEQ PROGRAM

RUNTS COMPILE AND EXECUTE FTN,TS PROGRAM

SEGLD CREATE A SEGLOAD ABSOLUTE FILE

SELDUMP CREATE BACKUP DUMP TAPE OF THE USER PERMANENT FILE OF AN ACCOUNT NUMBER

SELLOAD RESTORE SELECTED ROUTINES FROM A BACKUP DUMPF TAPE

SEND SEND MESSAGES TO AN INTERCOM USER WHO IS NOT LOGGED IN; LIST MESSAGES

SORT INVOKE SORTMRG TO SORT UP TO 5 'DISPLAY' FIELDS USING 'COBOL6' COLLATING SEQUENCE

SORTCZ INVOKE SORTMRG TO SORT UP TO 5 'DISPLAY' FIELDS IN BT=C,RT=Z RECORDS USING 'COBOL6' COLLATING SEQUENCE ('FILE' CARDS NOT REQUIRED)

S2K260 ATTACH FILES FOR S2000 (VERSION 2.60) NATURAL LANGUAGE, FORTRAN, OR COBOL PRECEDURAL LANGUAGE INTERFACE

TIDBITS LIST FILE OF TIDBITS (HINTS ON IMPROVED COMPUTER USAGE)

TRANPAK COPY CONTENTS FROM ONE DEVICE SET TO ANOTHER FOR BACKUP

UPDADD	ADD ONE DECK TO AN UPDATE LIBRARY
UPDDELE	DELETE ONE DECK FROM AN UPDATE LIBRARY
UPDDOC	LIST DOCUMENTATION FOR PROCEDURES UPDADD, UPDDELE, UPDDOC, UPDGET, UPDLIST, UPDREPL
UPDGET	EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,C) AND, OPTIONALLY, ADD EDITOR SEQUENCING
UPDGETS	EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,S) AND, OPTIONALLY, ADD EDITOR SEQUENCING
UPDGETT	EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,T) AND, OPTIONALLY, ADD EDITOR SEQUENCING
UPDLIST	LIST DECK/COMDECK NAMES IN UPDATE LIBRARY WITH COUNT OF RECORDS IN EACH DECK/COMDECK
UPDREPL	REPLACE ONE DECK IN AN UPDATE LIBRARY
UTILITY	EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'UTILITY'
VENUS	ATTACH AND EXECUTE ONE OF THE VENUS RETRIEVAL PROGRAMS
WHATLIB	LIST LIBRARIES SPECIFIED IN LAST 'LIBRARY' COMMAND

***** PROCEDURE DOCUMENTATION *****

THIS CHAPTER CONTAINS THE DOCUMENTATION FOR ALL PROCEDURES IN PUBLIC-ACCESS PROCEDURE FILE 'PROCFIL'.

*** HOW TO PRINT A DOCUMENT ***

INDIVIDUAL DOCUMENTS MAY BE PRINTED USING:

BEGIN,DOCGET,,PROCFIL,,<PROCNAME>,OUTPUT.

WHERE <PROCNAME> IS THE DESIRED DOCUMENT.

SEVERAL DOCUMENTS MAY BE PRINTED AT ONE TIME USING:

```
JOBNAME.  
CHARGE...  
BEGIN,UTILITY,,MANYDOC,PROCFIL.  
' 7/8/9 EOR  
<PROCNAME1>  
<PROCNAME2>  
...  
<PROCNAMEN>  
" 6/7/8/9 EOI
```

PROCEDURE 'ADDEXT'

PURPOSE

MODIFY PRIVATE PACK DUM FILE FOR LEVEL 508 DUMPF/LOADPF

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,ADDEXT,,VSN,SN,RD,MD,CN,EX,UTK.

DESCRIPTION OF PARAMETERS

VSN - PACK VOLUME SERIAL NUMBER
SN - PACK SET NAME
RD,MD,CN - CURRENT PASSWORDS (FROM PACK INITIALIZATION)
EX - PASSWORD FOR LEVEL 508 LOADPF USE
UTK - USER TURNKEY (IF PASSWORD IS ON PACK)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT

MAX FL:

REMARKS

MUST BE RUN ON LEVEL 508 NOS/BE.

THE SYSTEM TURNKEY PASSWORD IS REMOVED FROM DUM FILE; AN
EXTEND PASSWORD IS ADDED TO ALLOW LOADPF AT LEVEL 508 TO RUN
ON PACKS INITIALIZED AT LEVEL 461 OR BEFORE.

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 09/19/80

DATE(S) REVISED

PROCEDURE 'ANYLIB'

PURPOSE

EXECUTE A PROGRAM ON ANY EDITLIB USER LIBRARY

FUNCTIONAL CATEGORIES: LO Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.ANYLIB,,LIB,ID,PROG,PARAMS.

DESCRIPTION OF PARAMETERS

LIB - 1-40 CHARACTER LIBRARY PFN
ID - ID IT IS CATALOGED UNDER.
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
USE 0 (ZERO) IF FILE IS ALREADY ATTACHED
AND IS TO REMAIN ATTACHED AT THE END OF THE
PROCEDURE.
PROG - PROGRAM TO BE EXECUTED
PARAMS - UP TO 13 PARAMETERS FOR 'PROG'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS ON PROGRAM BEING EXECUTED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'ANYPRO'

PURPOSE

EXECUTE A PROCEDURE ON ANY CATALOGUED PROCEDURE FILE

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, ANYPRO, . PFN, ID, PRO, PARAMS.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME OF PROCEDURE FILE

ID - ID UNDER WHICH PFN IS CATALOGED

PRO - PROCEDURE NAME

PARAMS - UP TO 17 POSITIONAL PARAMETERS FOR PROCEDURE 'PRO'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

REMARKS

SEE 'MYPRO' IF THE PFN IS 'PROCFIL'.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/21/76

DATE(S) REVISED

PROCEDURE 'ANYPROS'

PURPOSE

EXECUTE A PROCEDURE ON ANY CATALOGUED SEQUENTIAL PROCEDURE
FILE

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, ANYPROS, , PFN, ID, PNAME, PARAMS.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME OF PROCEDURE FILE

ID - ID UNDER WHICH IT IS CATALOGED

PNAME - PROCEDURE NAME

PARAMS - UP TO 17 POSITIONAL PARAMETERS FOR PROCEDURE 'PRO'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

* MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 10/29/79

DATE(S) REVISED

PROCEDURE 'AUDIT'

PURPOSE

SORTED (FAST) USER AUDIT

FUNCTIONAL CATEGORIES: Q0 S0 M1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,AUDIT,..<KEYWORD-PARAMETERS>.

DESCRIPTION OF PARAMETERS

ALL 'AUDIT' PARAMETERS ARE SUPPORTED WITH ONLY THREE RESTRICTIONS:

- 1) MULTIPLE ID'S MUST BE \$-DELIMITED AND LIMITED TO 40 CHARACTERS (UP TO 7 ID'S). WHEN MULTIPLE ID'S ARE GIVEN, A SEPARATE PARAMETER 'IDM=YES' MUST BE SPECIFIED. FOR EXAMPLE,

BEGIN,AUDIT,..ID=\$ID1/ID2/ID3\$,<OTHER-PARAMS>,
IDM=YES.

- 2) FOR 'AC', USE AC=AC.

- 3) IF PF IS SPECIFIED, IT MUST NOT EXCEED 10 CHARACTERS. SORTING IS NOT REALLY NECESSARY FOR PF. INSTEAD, USE
AUDIT,PF=<PFN>.....

IN ADDITION, UP TO 8 FIELDS MAY BE SORTED (KEYWORDS ARE S1= THRU S8=):

(A=ASCENDING, D=DESCENDING)

1A/1D - PF NAME - ALL SORTS

2A/2D - CYCLE - ALL SORTS

3A/3D - ID - AC SORT ONLY

4A/4D - ACCOUNT - ID (AI=1) OR
SEG - AC=JJJJJJJJJ00

5A/5D - CREATED - AC OR ID (AI=1)

6A/6D - USED-ON - AC OR ID (AI=1)

7A/7D - # USES - AC OR ID (AI=1)

8A/8D - # PRUS - AC OR ID (AI=1)

PL= MAY BE USED TO CHANGE THE 'OUTPUT' LINE LIMIT.

DEFAULT BEGIN STATEMENT

BEGIN,AUDIT,..ID=<CHG-CRD/LOGIN ID>,LF=OUTPUT,S1=1A,S2=2D.

WHEN AC=JJJJJJJJJ00 IS SPECIFIED:

BEGIN,AUDIT,..ID=<CHG-CRD/LOGIN ID>,LF=OUTPUT,S1=4A,S2=3A,
S3=1A,S4=2D.

MAX FL: 52000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/22/78

DATE(S) REVISED

- 03/01/78 - CONVERT TO CCL
- 05/10/78 - ADD IDM PARAMETER FOR MULTIPLE ID'S
- 05/26/78 - REWRITE VALIDATION ROUTINE
- 10/01/78 - PROCEDURE 'AUDIT' REMOVED.
- THIS PROCEDURE 'FASTAUD' RENAME 'AUDIT'.
- 12/18/78 - ADD SUPPORT FOR SN PARAMETER

PROCEDURE 'BANNERS'

PURPOSE

PRINT A PAGE WITH 1 TO 8 BANNERS

FUNCTIONAL CATEGORIES: J4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,BANNERS,.OUTPUT,NBANR,B1,B2,B3,B4,B5,B6,B7,B8.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

NBANR - NUMBER OF BANNERS TO PRINT (0-8)

(0 - PROGRAM WILL DETERMINE NUMBER OF BANNERS AND
ADD DATE AND TIME BANNERS, IF THERE IS ROOM)

B1-B8 - UP TO 8 BANNERS (1-10 CHARACTERS EACH)

THE FOLLOWING ARE RECOGNIZED FOR ANY B1:

CPU - MACHINE JOB IS RUNNING ON

DATE - CURRENT DATE

TIME - CURRENT TIME

DEFAULT BEGIN STATEMENT

BEGIN,BANNERS,.OUTPUT,0,CPU,DATE,TIME.

MAX FL: 340006

REMARKS

1, 2, 3, 5, AND 6 BANNERS ARE PRINTED AT 6 LINES/INCH.

4, 7 AND 8 BANNERS ARE PRINTED AT 8 LINES/INCH WITH THE
PRINTER RESTORED TO 6 LINES/INCH AT END-OF-PROCEDURE.

AUTHORS

GARY L STUMP - DTNSRDC CODE 2731

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/22/78 - GLS

DATE(S) REVISED

06/23/78 - DVS

PROCEDURE 'BDT'

PURPOSE

PRINT A BANNER PAGE WITH DATE AND TIME

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.BDT..OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN.BDT..OUTPUT.

MAX FL: 230C0B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'BIGLOAD'

PURPOSE

CREATE AN ABSOLUTE FILE WHICH WILL ALLOW SOME LARGE PROGRAMS TO LOAD IN LESS CORE THAN NORMALLY NEEDED

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,BIGLOAD,,PROGRAM,FL,LFN,ID,PW1,PW2.

DESCRIPTION OF PARAMETERS

PROGRAM - NAME OF USER'S PROGRAM
(THIS WILL ALSO BE THE LFN OF THE GENERATED FILE)
FL - AT LEAST EXACT OCTAL FIELD LENGTH REQUIRED TO EXECUTE THE USER'S PROGRAM
(E.G., 60000 (THE 0 AT THE END IS NOT SPECIFIED))
LFN - LFN OF USER'S ABSOLUTE PROGRAM
(CANNOT BE THE SAME AS <PROGRAM>)
IF SPECIFIED, THE USER'S PROGRAM ON <LFN> IS COPIED ONTO NEW FILE <PROGRAM> AFTER THE COMPASS PROGRAM
ID - IF SPECIFIED, FILE <PROGRAM> WILL BE CATALOGED WITH PFN OF <PROGRAM> UNDER THIS ID
PW1,PW2 - IF ID SPECIFIED, THESE ARE PASSWORDS FOR THE CATALOG (PW=)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 47000B

REMARKS

BEFORE EXECUTING THIS PROCEDURE, THE ABSOLUTE USER'S PROGRAM SHOULD BE ATTACHED OR CREATED (WITH AN LFN OTHER THAN THE PROGRAM NAME). THIS PROCEDURE WILL THEN CREATE A NEW FILE WITH LFN OF <PROGRAM> WHICH CONTAINS A SHORT COMPASS PROGRAM FOLLOWED BY THE USER'S ABSOLUTE PROGRAM.

THE LOADER LOADS THE COMPASS PROGRAM WHICH IN TURN LOADS THE USER'S PROGRAM.

ERROR MESSAGES

FL NOT SPECIFIED
FL PARAMETER MUST BE SPECIFIED

PROGRAM CANNOT BE SAME AS LFN
PARAMETERS 1 AND 3 MUST BE DIFFERENT

PROGRAM NOT SPECIFIED
PROGRAM PARAMETER MUST BE SPECIFIED

EXAMPLE

COMPILE PROGRAM, CREATE AND CATALOG NEW LOAD FILE, EXECUTE:

ATTACH,IN,SOURCEPROGRAM,ID=XXXX. SOURCE FOR <MYPROG>
FTN,I=IN,OPT=1,L=0.

* LOAD,LGO. OR XEQ,LOAD=LGO,NOGO=ABS (INTERCOM)
* NOGO,ABS.
BEGIN,BIGLOAD,,MYPROG,57000,ABS,XXXX.
MYPROG.

* NOTE: IF <MYPROG> IS AN OVERLAY, THE ABSOLUTE WILL BE
GENERATED ON THE FILE SPECIFIED IN THE OVERLAY
CARD. THIS LFN MUST BE CHANGED (USE
BATCH,LFN1,RENAME,LFN2 IN INTERCOM OR COPY TO
ANOTHER FILE) BEFORE USING BIGLOAD.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/09/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'BR2CCL'

PURPOSE

CONVERT SEQUENTIAL (UNIVERSITY OF WASHINGTON) BEGIN/REVERT
PROCEDURE FILE TO SEQUENTIAL (CDC-SUPPORTED) CYBER CONTROL
LANGUAGE FILE AND, OPTIONALLY, CATALOG THE CCL FILE

FUNCTIONAL CATEGORIES: M2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, BR2CCL, , BR, CCL, ID, OUTPUT.

DESCRIPTION OF PARAMETERS

BR - SEQUENTIAL BEGIN/REVERT PROCEDURE FILE
CCL - OUTPUT SEQUENTIAL CCL PROCEDURE FILE
ID - IF SPECIFIED, <CCL> WILL BE CATALOGED AS:
 PROCFILS.ID=<SPECIFIED-ID>
 IF OMITTED, <CCL> WILL NOT BE CATALOGED
OUTPUT - LISTABLE OUTPUT
 CONVERSION PROGRAM OUTPUT AND LIST OF CONVERTED
 PROCEDURE FILE)

DEFAULT BEGIN STATEMENT

BEGIN, BR2CCL, , BR, CCL, , OUTPUT.

MAX FL: 100000B

TIMING: VERY SLOW -- ABOUT 4 B/R STATEMENTS PER CP SECOND

REMARKS

THIS PROCEDURE MAY ONLY BE RUN IN BATCH MODE (WITH CM100000
ON THE JOB CARD).

ALL PROCEDURES MUST BE NAMED. CCL DOES NOT SUPPORT UNNAMED
PROCEDURES.

ANY EMBEDDED BINARY (OR DATA) RECORDS MUST BE REMOVED BEFORE
THE B/R PROCEDURE FILE IS CONVERTED.

THE FIRST CARD OF EACH LOGICAL RECORD IS ASSUMED TO BE A
PROCEDURE HEADER AND WILL BE CONVERTED. IF IT WAS AN
UNNAMED PROCEDURE OR A DATA RECORD, THE GENERATED HEADER
MUST BE RESTORED TO THE ORIGINAL AND, FOR AN UNNAMED
PROCEDURE, AN APPROPRIATE HEADER STATEMENT MUST BE ADDED.

OUTPUT RECORDS WILL BE UP TO 90 CHARACTERS LONG. CORRECT
ANY WHICH ARE LONGER THAN 80 CHARACTERS.

EDITLIB IS USED TO CREATE RANDOM PROCEDURE FILES. THE B/R
PROGRAM 'CPINDEX' IS NO LONGER AVAILABLE.

AUTHORS

PROCEDURE

DAVID V SOMMER - DTNSRDC CODE 1892.2
CONVERSION PROGRAM
S W CUMPSTON
UNIVERSITY OF ADELAIDE

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/14/78

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

B/R FEATURE RETAINED

CASE - PERMITS SELECTION OF ONE STATEMENT, USING A GIVEN PARAMETER, FROM A SET OF CONTROL STATEMENTS.

FEATURES REMOVED

IF(MON - ALLOW CONDITIONAL EXECUTION DEPENDING ON THE DAY
IF(TUES OF THE WEEK. AN ALTERNATIVE METHOD IS DESCRIBED
ETC. BELOW.

IF(EOR - ALLOW CONDITIONAL EXECUTION DEPENDING ON WHETHER
IF(EOF THE LAST READ OPERATION ON A GIVEN FILE
IF(EOI ENCOUNTERED AN EOR, EOF OR EOI. THE ONLY TEST
AVAILABLE WITH CCL IS THAT FOR EOF, AND TAKES THE
FORM:
IFE(FILE(LFN,EOF),LABEL)

DUP - DUPLICATE ONE OR MORE CONTROL CARDS. A \$ IN THE
ENDUP DUP LOOP IS REPLACED BY THE NEXT SEQUENTIAL NUMBER
(1,2,...). WHILE/ENDW WILL REPLACE DUP/ENDUP.
THE \$ FEATURE IS NOT AVAILABLE IN CCL. THE
CONVERSION PROGRAM WILL NOT PROCESS DUP/ENDUP OR
REMOVE THE \$. A SUGGESTED CHANGE:

..... B/R	 CCL
DUP,5,3. -OR- DUP,5,*.	SET,R1=1.
CARD 1	WHILE,R1.LE.5,LOOP.
CARD 2	...
CARD 3	SET,R1=R1+1.
	ENDW,LOOP.

B/R-CCL DIFFERENCES

HEADER STATEMENT

'PROC.' ADDED AT START. PROCEDURE NAME TRUNCATED TO 7
CHARACTERS. IF NECESSARY, THE 'I' SEPARATOR IS CHANGED
TO COMMA AND THE TERMINATOR IS CHANGED TO PERIOD.

*DATA *FILE

*DATA AND *FILE ARE REPLACED BY #DATA AND #FILE.
RESPECTIVELY, AND MAY BE USED ONLY IN THE HEADER
STATEMENT. THE CONVERSION PROGRAM WILL ADD
'CCLDATA=#DATA,CCLFILE=#FILE' TO EACH HEADER STATEMENT
AND CHANGE REFERENCES IN THE PROCEDURE BODY TO
CCLDATA OR CCLFILE.

LABELS

LABELS MAY NOT BE OMITTED OR CONTAIN A NUMERIC LINE COUNT. A LABEL STARTING WITH AN ALPHABETIC CHARACTER MUST BE SUPPLIED.

SKIP

LABEL MAY NOT BE OMITTED OR CONTAIN A NUMERIC LINE COUNT. A LABEL STARTING WITH AN ALPHABETIC CHARACTER MUST BE SUPPLIED.

ELSE/ENDIF

LABELS MUST BE SUPPLIED. NOTE THAT AN UNLABELLED STATEMENT MAY NEED TO BE REPLACED BY SEVERAL LABELLED STATEMENTS.

IF(MON... IF(TUE... ETC.

THESE STATEMENTS ARE NOT PROVIDED. HOWEVER, THE EFFECT MAY BE ACCOMPLISHED, ALBEIT CLUMSILY, USING CASE(*DAY) FOLLOWED BY A SERIES OF SET STATEMENTS. A FOLLOWING IFE STATEMENT MAY THEN TEST THAT A PARTICULAR VALUE HAD BEEN SET.

IF(EOR... IF(EOF... IF(EOI...

ONLY A SINGLE TEST FOR EOF IS PROVIDED. THUS,
IF(EOR/EOF/EOI,LFN,LABEL) BECOMES
IFE(FILE(LFN,EOF),LABEL).

IF(AM... IF(PM...

ONE OF THE PREDEFINED VARIABLES KNOWN TO CCL AND AVAILABLE IN AN IFE STATEMENT IS CALLED TIME. THUS,
IF(AM,LABEL) BECOMES IFE((TIME.LT.1200),LABEL)
IF(PM,LABEL) BECOMES IFE((TIME.GE.1200),LABEL)
THE LABEL MAY NOT BE OMITTED OR CONTAIN A NUMERIC LINE COUNT. A LABEL STARTING WITH AN ALPHABETIC CHARACTER MUST BE SUPPLIED.

IF(BATCH... IF(INTERCOM... IF(INT...

ONE OF THE PREDEFINED VARIABLES KNOWN TO CCL AND AVAILABLE IN AN IFE STATEMENT IS CALLED OT. THUS,
IF(BATCH... BECOMES IFE(OT.NE.TXO,...)
IF(INTERCOM... BECOMES IFE(OT.EQ.TXO,...)
IF(INT... BECOMES IFE(OT.EQ.TXO,...)

IF(6400... IF(6600... IF(6700...

ONE OF THE DTNSRDC-ADDED PREDEFINED VARIABLES KNOWN TO CCL AND AVAILABLE IN AN IFE STATEMENT IS CALLED MF. THUS,

IF(6400... BECOMES IFE(MF.EQ.\$MFC\$,...)
IF(6600... BECOMES IFE(MF.EQ.\$MFB\$,...)
IF(6700... BECOMES IFE(MF.EQ.\$MFAS\$,...)

CORRECTIONS THE USER MUST MAKE AFTER USING THE CONVERSION PROGRAM:

B/R	CONVERTS TO	CORRECTION
HEADER PARAMETER OF THE FORM *PARAM=	PARAM=\$*PARAM\$	PARAM=
ELSE(N) N=NUMBER	NO CHANGE	ELSE(LABEL) IF NEEDED, SUPPLY ENDIF(LABEL)
DUP/ENDUP	NOT CHANGED	REPLACE WITH WHILE/ ENDW (SEE PAGE 2). REMOVE \$ IN LOOP
* FOR LABEL IN IF, IFC. ELSE, SKIP	STATEMENT NOT CONVERTED	CONVERT STATEMENT MANUALLY
ONE OR MORE PROCEDURES FOLLOW 'DATA CARD(S)	HEADERS NOT CHANGED	MAKE NEW HEADERS
SENSE SWITCH TEST OF THE FORM: IF(SSW,-N,LABEL) WHERE N=1,2,3,4,5,6	IFE(SW-N,LABEL)	IFE(.NOT.SWN,LABEL)
UNNAMED PROCEDURE	FIRST CARD IS CONVERTED TO A HEADER	RESTORE TO ORIGINAL AND ADD AN APPROPRIATE HEADER
DATA RECORD	FIRST CARD IS CONVERTED TO A HEADER	RESTORE TO ORIGINAL

CORRECTION THE USER MAY MAKE AFTER USING THE CONVERSION PROGRAM (THESE ARE NOT MANDATORY, BUT WILL IMPROVE THE RUNNING OF THE PROCEDURE):

B/R	CONVERTS TO	CORRECTION
NO REFERENCE TO *DATA IN PROCEDURE	CCLDATA=#DATA IN HEADER	REMOVE
NO REFERENCE TO *FILE IN PROCEDURE	CCLFILE=#FILE IN HEADER	REMOVE
HEADER PARAMETER OF THE FORM *PARAM=PARAM	PARAM=PARAM	PARAM

PROCEDURE 'B7700S'

PURPOSE

PREPARE 9-TRACK EBCDIC TAPE TO MOVE A SINGLE CARD-IMAGE
PERMANENT FILE FROM THE CDC 6000 TO THE BURROUGHS B7700

FUNCTIONAL CATEGORIES: K4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,B7700S,,PFN,ID,VSN,SLOT,L,PW1,PW2.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME (UP TO 40 CHARACTERS)
ID - ID UNDER WHICH PFN IS CATALOGED
VSN - DIEBOLD TAPE NUMBER
SLOT - OPTIONAL SLOT NUMBER (IF VSN IS A BA0000 TAPE)
L - OPTIONAL TAPE LABEL (IF OMITTED, L=ID)
PW1,PW2 - OPTIONAL PASSWORDS (RD AND TK ONLY)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

THE TAPE HAS MAXRECSIZE=80, BLOCKSIZE=3640, BLOCKING=48.

ERROR MESSAGES

B7700S REQUIRES MAG TAPE AND
MUST BE RUN FROM BATCH
FATAL. USER TRIED TO EXECUTE PROCEDURE VIA INTERCOM.

ID MUST BE SPECIFIED
FATAL. SELF-EXPLANATORY.

VSN MUST BE SPECIFIED
FATAL. SELF-EXPLANATORY.

EXAMPLES

1. TAPE IS NORMALLY KEPT IN THE 6700/6600 ROOM (CA, CB SERIES) OR THE CYBER 74 ROOM (CJ, CR SERIES):
BEGIN,B7700S,,MYFILE,XXXX.CA9999.
2. TAPE IS NORMALLY KEPT IN THE B7700 ROOM (BA SERIES) AND IS IN SLOT 03 IN THE CDC 6700 ROOM:
BEGIN,B7700S,,MYFILE.XXXX,BA9999,03.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/09/79

DATE(S) REVISED

05/17/79 - ADD LABEL PARAMETER (L)

10/16/79 - ADD PASSWORD PARAMETERS (PW1,PW2)

10/17/79 - FIX VSN CARD

PROCEDURE 'B7700U'

PURPOSE

PREPARE 9-TRACK EBCDIC TAPE TO MOVE A SINGLE DECK OR ALL DECKS IN AN UPDATE LIBRARY FROM THE CDC 6000 TO THE BURROUGHS B7700

FUNCTIONAL CATEGORIES: K4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,B7700U,,LIB,ID,DECK,VSN,SLOT,L,NOPL,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS LIB_PL)
(SEE PARAMETER 'NOPL' BELOW)
ID - ID UNDER WHICH LIB_PL OR LIB IS CATALOGED
DECK - SINGLE DECK TO BE TRANSFERRED
(IF OMITTED, ENTIRE LIBRARY IS TRANSFERRED)
VSN - DIEBOLD TAPE NUMBER
SLOT - OPTIONAL SLOT NUMBER (IF VSN IS A BA0000 TAPE)
L - OPTIONAL TAPE LABEL (IF OMITTED, L=ID)
NOPL - IF OMITTED - LIBRARY PFN IS LIB_PL
IF NON-BLANK - LIBRARY PFN IS LIB
PW1,PW2 - OPTIONAL PASSWORDS (RD AND TK ONLY)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 430006

REMARKS

AN 80-CHARACTER COMPILE FILE IS CREATED (SEQUENCING IN 73-80) AND WRITTEN TO TAPE.

THE TAPE HAS MAXRECSIZE=80, BLOCKSIZE=3840, BLOCKING=48.

ERROR MESSAGES

B7700U REQUIRES MAG TAPE AND
MUST BE RUN FROM BATCH

FATAL. USER TRIED TO EXECUTE PROCEDURE VIA INTERCOM.

ID MUST BE SPECIFIED

FATAL. SELF-EXPLANATORY.

VSN MUST BE SPECIFIED

FATAL. SELF-EXPLANATORY.

EXAMPLES

1. TRANSFER DECK 'MYDECK' FROM LIBRARY 'MYLIBPL'. TAPE IS NORMALLY KEPT IN THE 6700/6600 ROOM (CA, CB SERIES) OR THE CYBER 74 ROOM (CJ, CR SERIES):
BEGIN,B7700U,,MYLIB,XXXX,MYDECK,CA9999.
2. TRANSFER ENTIRE LIBRARY (LIBRARY PFN IS 'MYLIB'). TAPE IS NORMALLY KEPT IN THE B7700 ROOM (BA SERIES) AND IS IN SLOT 03 IN THE CDC 6700 ROOM:
BEGIN,B7700U,,MYLIB,XXXX,,BA9999,03,,X.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/09/79

DATE(S) REVISED

05/17/79 - ADD LABEL PARAMETER (L)
07/03/79 - ADD NOPL PARAMETER
10/16/79 - ADD PASSWORD PARAMETERS (PW1,PW2)
10/17/79 - FIX VSN CARD

PROCEDURE 'CALC3D'

PURPOSE

THREE-D PROCEDURE FOR CALCOMP PLOTTERS

FUNCTIONAL CATEGORIES: J5

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,CALC3D,,MAC,VSN1,VSN2,TID,INPUT,RERUN.

DESCRIPTION OF PARAMETERS

MAC - ONE OF --
763 - CALCOMP 763 PLOTTER
936 - CALCOMP 936 PLOTTER (DEFAULT)
170 - CALCOMP PLOTTER ON HIGH SPEED REMOTE
TERMINAL
VSN1 - TAPE DIEBOLD OR SLOT NUMBER
(6 CHARACTERS OR LESS)
(UNLABELLED TAPE FOR MAC=763;
LABELLED TAPE FOR MAC=936)
VSN2 - EXTERNAL STICKER LABEL
(SLOT TAPES ONLY)
TID - TERMINAL ID FOR ROUTING PLOTTER OUTPUT
(USED ONLY WHEN MAC=170)
(DEFAULT: 012)
INPUT - FILE CONTAINING CONTROL CARDS
RERUN - THIS PARAMETER FACILITATES SAME DAY RERUN USING
THE SAME TAPE.
OMITTED OR 'W' - FIRST/ONLY TIME THIS TAPE IS USED
TODAY
'R' - RERUN ON SAME DAY
THIS PARAMETER HAS MEANING ONLY FOR MAC=936.
HOWEVER, IF SPECIFIED, IT MUST BE A VALID ENTRY.

DEFAULT BEGIN STATEMENT

BEGIN,CALC3D,,936,*,*,012,INPUT,W.

* - NO DEFAULTS FOR THESE PARAMETERS

MAX FL:

REMARKS

A 936 JOB WILL CREATE A LABELLED TAPE WITH A RETENTION
PERIOD OF ONE DAY. SUBSEQUENT RERUN(S) ON THE SAME DAY
WILL CAUSE THE JOB TO TERMINATE BECAUSE OF UNEXPIRED LABEL.
SPECIFYING RERUN=R WILL CAUSE THE CURRENT LABEL TO BE
CHECKED RATHER THAN BE RE-WRITTEN. THE FIRST OR ONLY
RUN SHOULD OMIT THE RERUN PARAMETER SO THAT THE CURRENT DATE
WILL BE WRITTEN ON THE LABEL.

EXAMPLES

BEGIN,CALC3D,,936,CA9999.

(USE LABELLED TAPE CA9999 FOR CALCOMP 936 PLOTTER)

BEGIN,CALC3D,,763,SLOT01,MYTAPE.

(USE UNLABELLED TAPE IN SLOT 01 HAVING EXTERNAL
LABEL 'MYTAPE' FOR CALCOMP 763 PLOTTER)

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

07/23/76

10/07/76 - MAKE TRANSPARENT TO USER

03/01/78 - CONVERT TO CCL

PROCEDURE 'CCNOTE'

PURPOSE

PRINT A COMPUTER CENTER NOTE OR THE CCN INDEX

FUNCTIONAL CATEGORIES: S0

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.CCNOTE..OPT.OUTPUT.LEFT.PD.

DESCRIPTION OF PARAMETERS

OPT - OPTION. ONE OF:
INDEX - BOTH TOPIC AND NUMBER INDICES
NUMBER - INDEX ORDERED BY CCN NUMBER
TOPIC - INDEX ORDERED BY TOPIC
VVNN - A SPECIFIC CCN. WHERE
VV IS THE VOLUME (2 DIGITS)
NN IS THE NUMBER (2 DIGITS)
OTHER - ASSUMED TO BE <VVNN> AND WILL HAVE
UNPREDICTABLE RESULTS IF IT IS NOT
OUTPUT - LISTABLE OUTPUT
LEFT - CENTERING
LEFT OR OMITTED - LEFT JUSTIFIED ON PAGE
(WILL FIT ON NARROW PAPER)
ANYTHING ELSE - CENTERED ON WIDE PAPER
PD - PRINT DENSITY (FOR OPT=INDEX/NUMBER/TOPIC ONLY)
8 - 8 LINES PER INCH
6 - 6 LINES PER INCH (REQUIRED FOR FICHE OR XEROX)

DEFAULT BEGIN STATEMENT

BEGIN.CCNOTE..INDEX.OUTPUT.LEFT,8.

MAX FL: 33000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/10/80

DATE(S) REVISED

PROCEDURE 'COMQ'

PURPOSE

PREPARE AND ROUTE A FILE TO THE MICROFICHE QUEUE

FUNCTIONAL CATEGORIES: Q0

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.COMQ, .LFNPFN, ID, HEADER, FID, PROG, SHIFT.

DESCRIPTION OF PARAMETERS

- LFNPFN - LFN OR PFN OF FILE TO BE LISTED
(DEPENDS ON PARAMETER ID)
- ID - IF OMITTED, LFNPFN IS AN LFN
IF SPECIFIED, LFNPFN IS A PFN CATALOGED
UNDER THIS ID
- HEADER - 0- TO 32-CHARACTER EYE-READABLE HEADING FOR
THE FICHE (IF ANY NON-ALPHAMERIC CHARACTERS,
HEADER MUST BE DOLLAR-DELIMITED:
\$THIS HEADER IS DOLLAR-DELIMITED\$)
- FID - FID FOR ROUTING THE FILE
- PROG - COM PROGRAM TO USE. MUST BE ONE WHICH SUPPORTS
A 32-CHARACTER EYE-READABLE TITLE IN THE SECOND
LINE OF THE FILE. SUCH AS:
 - COMP - FOR COMPILATION AND LOAD MAP LISTINGS
(WILL CREATE AN INDEX)
(132 CHARACTERS PER LINE,
268 PAGES PER FICHE,
PLUS 2 INDEX FRAMES)
 - COMPF - SAME AS COMP, WITH A BOX AROUND EACH
FRAME
 - COMQ - FOR REGULAR OUTPUT
(132 CHARACTERS PER LINE,
270 PAGES PER FICHE)
 - COMQF - SAME AS COMQ, WITH A BOX AROUND EACH
FRAME
(DEFAULT: COMQ)
- SHIFT - NUMBER OF COLUMNS TO SHIFT THE OUTPUT
 - 0 - NO SHIFT
(FILE HAS CARRIAGE CONTROL IN COLUMN 1 OF
EACH RECORD. SUCH AS A COMPILATION LISTING OR
PROGRAM OUTPUT)
 - 1 - SHIFT 1 POSITION TO THE RIGHT
(STANDARD COPYSF; USE FOR SOURCE OR DATA
FILES)
 - 21 - SHIFT SPECIFIED NUMBER OF COLUMNS
(DEFAULT: 0)

DEFAULT BEGIN STATEMENT

BEGIN.COMQ.....COMQ.0.

MAJ FL: 15000B

REMARKS

THIS PROCEDURE CREATES A FILE WHICH CONTAINS:

- . A CARD-IMAGE WITH <PROG> IN COLUMNS 2-6
- . A CARD-IMAGE WITH <HEADER> IN COLUMNS 2-33
- . THE FIRST OR ONLY FILE IN <LFNPFN>, SHIFTED, IF SO REQUESTED

THIS FILE IS ROUTED TO THE MICROFICHE QUEUE USING:

- . ROUTE,<FILE>,DC=PR,TID=C,FID=<FID>,FC=WW.

EXAMPLES

- 1) FILE ABCD,ID=ZYXW IS A SOURCE FILE TO BE PUT ONTO FICHE WITH AN EYE-READABLE TITLE OF
'PROGRAM ABCD,ID=ZYXW 05/07/80'
OUTPUT, WHICH IS TO BE CENTERED, IS TO GO TO ZYXW:

```
BEGIN,COMQ,,ABCD,ZYXW,  
$PROGRAM ABCD,ID=ZYXW 05/07/80$,ZYXW,,26.
```

- 2) THE DATA IN LOCAL FILE 'INDATA' IS TO BE PUT ONTO FICHE WITH AN EYE-READABLE TITLE 'DATA A/001 05/07/80'
OUTPUT IS TO GO TO XXXX:

```
BEGIN,COMQ,,INDATA,, $DATA A/001 05/07/80$,XXXX,,1.
```

- 3) FILE EFGH,ID=ZYXW IS A LISTABLE FILE TO BE PUT ONTO FICHE WITH AN EYE-READABLE TITLE OF
'FILE EFGH,ID=ZYXW 05/07/80'
OUTPUT IS TO GO TO ZYXW:

```
BEGIN,COMQ,,EFGH,ZYXW,  
$FILE EFGH,ID=ZYXW 05/07/80$,ZYXW.
```

- 4) THE COMPILATION IN LOCAL FILE 'OUT' IS TO BE PUT ONTO FICHE WITH THE EYE-READABLE TITLE
'PROGRAM QRST -- 05/07/80'
OUTPUT IS TO GO TO XXXX, FRAMES ARE TO BE OUTLINED AND AN INDEX CREATED:

```
BEGIN,COMQ,,OUT,, $PROGRAM QRST -- 05/07/80$,XXXX,  
COMPF.
```

AUTHORS

DAVID V SOMMER - DTNSRDC CODE 1892.2 (CDC PROCEDURE COMQ)
BARBARA DAVIS - DTNSRDC CODE 1892.1 (COM PROCEDURES)

DATE WRITTEN: 05/07/80

DATE(S) REVISED

PROCEDURE 'COPYBLK'

PURPOSE

REBLOCK STRANGER TAPES TO SCOPE STANDARD FILES (BOTH UNBLOCKED CARD AND PRINT LINE IMAGE TAPES AND BLOCKED STRANGER TAPES)

FUNCTIONAL CATEGORIES: K4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,COPYBLK,,RB,MRL,MBL,TAPE1,TAPE2,REW1,REW2.

DESCRIPTION OF PARAMETERS

RB - NUMBER OF RECORDS PER BLOCK
IF OMITTED OR 1 - COPY UNBLOCKED STRANGER FILES (CARD AND PRINT LINE IMAGES)
OTHER - COPY BLOCKED STRANGER FILES
MRL - MAXIMUM RECORD LENGTH (RB NOT EQ 1)
(NUMBER OF 6-BIT CHARACTERS)
MBL - MAXIMUM BLOCK LENGTH (RB NOT EQ 1)
(TOTAL NUMBER OF CHARACTERS PER BLOCK (MUST BE RB TIMES MRL))
TAPE1 - INPUT STRANGER FILE (SEE REMARKS)
TAPE2 - OUTPUT SCOPE STANDARD FILE
REW1 - OMITTED - REWIND TAPE1 AFTER USE
N - DO NOT REWIND TAPE1 AFTER USE
REW2 - OMITTED - REWIND TAPE2 AFTER USE
N - DO NOT REWIND TAPE2 AFTER USE

DEFAULT BEGIN STATEMENT

IF RB OMITTED OR 1:
BEGIN,COPYBLK,,1,150,150,TAPE1,TAPE2.
IF RB NOT EQ 1:
BEGIN,COPYBLK,,RB,80,*,TAPE1,TAPE2.
(* - USER MUST SUPPLY)

MAX FL: 70000B

REMARKS

A 9-TRACK TAPE MUST BE COPIED TO DISK BEFORE USING COPYBLK.

EXAMPLES

BEGIN,COPYBLK.
(COPY UNBLOCKED FILES)
BEGIN,COPYBLK,,10,MBL=800.
(COPY BLOCKED CARD-IMAGE FILES, 10 RECORDS PER BLOCK. NOTE THAT USER MUST SUPPLY MBL.)

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

10/07/76 - REVERT(ABORT) ADDED

11/22/76 - REW1,REW2 ADDED

03/01/78 - CONVERT TO CCL

PROCEDURE 'COPYLIB'

PURPOSE

CONDENSE (AND SORT) AN EDITLIB USER LIBRARY PRESERVING AL, FL, FLO VALUES. BINDEK AND LISTBIN LISTS ARE PROVIDED.

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,COPYLIB,,LIB,ID,OUTPUT, SORT,NOEDLST,AC,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB - PFN OF LIBRARY (1-7 CHARACTERS)
ID - ID UNDER WHICH LIBRARY IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
OUTPUT - LISTABLE OUTPUT
SORT - OMITTED OR 'SORT' - SORT ROUTINE NAMES
(NEW LIBRARY MAY BE REORDERED)
NOEDLST - OMITTED - DO NOT SORT
ANYTHING ELSE - DO NOT SORT
- DO NOT PRINT A COPY OF EDITLIB
OUTPUT
AC - JOB ORDER NUMBER FOR CATALOG OF NEW LIBRARY
(MAY BE OMITTED)
PW1.PW2 - PASSWORDS FOR CATALOG OF NEW LIBRARY

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 46000B+

REMARKS

THE LOWEST CYCLE OF LIB IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

OCCASIONALLY, EDITLIB WILL LOSE A PORTION OF A DECK DURING THE COPY PROCESS. THE DIRECTORY WILL SHOW THAT THE DECK IS THERE, BUT EXECUTING IT WILL CAUSE A LOADER ERROR. FOR THIS REASON, THE 'LISTBIN' LIST IS PROVIDED. A QUICK EXAMINATION OF THIS LIST WILL SHOW ANY TROUBLE SPOTS. IN ADDITION TO THE LINES FOR EACH DECK IN THE LIBRARY, THERE SHOULD BE SIX (6) OTHER LINES (PRECEDED BY RIGHT BRACKET (!)). NORMALLY, THEY ARE AT THE END OF THE LIBRARY, BUT MAY BE SPLIT FOUR (4) AT THE START AND TWO (2) AT THE END OF THE LIBRARY. ONE OR MORE '!' LINES ANYWHERE ELSE IN THE LISTBIN LISTING INDICATES WHERE THE BAD DECK IS. THE QUICKEST WAY TO

RESTORE THE 'MISSING' DECK IS AS FOLLOWS:

```
ATTACH,MYLIB,ID=XXXX,PW=.... (GET CURRENT CYCLE  
                                WITH EXTEND PERMISSION)  
ATTACH,LC,MYLIB,ID=XXXX,LC=1. (GET LOWEST CYCLE)  
BEGIN,UTILITY,,GETOBJ,LC,ROUTINE,FILE,LIB. (EXTRACT  
                                                ROUTINE)
```

```
EDITLIB.  
EXTEND,MYLIB.  
' 7/8/9 EOR  
LIBRARY(MYLIB,OLD)  
REPLACE(*,FILE)  
FINISH.  
ENDRUN.  
" 6/7/8/9 EOF
```

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/18/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'COPYS'

PURPOSE

ATTACH, EXECUTE AND RETURN THE RIQSCOPYS PROGRAM

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,COPYS,,COPY,INPUT,OUTPUT,N.

DESCRIPTION OF PARAMETERS

COPY - ONE OF THE 'COPYS(COPY' OPTIONS
(SEE REMARKS)
INPUT - INPUT FILE
OUTPUT - OUTPUT FILE
N - NUMBER OF TIMES OR FILES

DEFAULT BEGIN STATEMENT

BEGIN,COPYS,,COPY,INPUT,OUTPUT,1.

MAY FL: 15000B

REMARKS

IF RIQSCOPYS IS ALREADY ATTACHED (WITH LFN 'COPYS'), IT WILL
STILL BE ATTACHED AFTER THIS PROCEDURE.

A DOCUMENT DESCRIBING COPYS MAY BE PRINTED BY:
BEGIN,DOCGET,,OTHER,,COPYS,OUTPUT.

EXAMPLE

REWIND AND COPY A RANDOM FILE:
ATTACH,RANIN,.... INPUT RANDOM FILE
REQUEST,RANOUT,*PF. OUTPUT RANDOM FILE
BEGIN,COPYS,,COPYIX,RANIN,RANOUT.
CATALOG,RANOUT,....

AUTHOR

NORTHWESTERN UNIVERSITY

DATE WRITTEN:

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'CV029'

PURPOSE

CONVERT TO 029 PUNCH CODE

FUNCTIONAL CATEGORIES: J1 M2 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, CV029., LFN, TID, FID.

DESCRIPTION OF PARAMETERS

LFN - FILE TO BE CONVERTED
TID - ID OF TERMINAL AT WHICH THE 029 DECK IS TO BE PUNCHED. USE 'C' FOR CENTRAL SITE OR USE THE 3-CHARACTER 1700 TERMINAL ID. IF OMITTED, FILE 'ZZZ029' WILL CONTAIN THE CONVERTED DECK. TO PUNCH, USE
ROUTE, ZZZ029, DC=PU, EC=80COL, TID=<TID>, FID=* <FID>.
FID - IF TID IS SUPPLIED, FID IS THE 1- TO 5-CHARACTER FILE-ID TO BE USED. IF OMITTED, THE JOB/INTERCOM SESSION NAME IS USED.

DEFAULT BEGIN STATEMENT

BEGIN, CV029., INPUT.

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 10/17/78

DATE(S) REVISED

07/25/79 - ADD FID PARAMETER

PROCEDURE 'DISPOST'

PURPOSE

INVOKE DISSPLA POSTPROCESSORS (TEK300 OR TEK480)

FUNCTIONAL CATEGORIES: Q3

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DISPOST..WHICH,PFN,ID,PW1,PW2.

DESCRIPTION OF PARAMETERS

WHICH - DESIRED POSTPROCESSOR. ONE OF:

TEK300

TEK480

PFN - NAME OF THE COMPRESSED PLFILE
(THE PROCEDURE FIRST TRIES TO ATTACH A FILE HAVING
'COMPRESSED' SUFFIXED TO <PFN>, I.E.,
<PFN> COMPRESSED. IF THIS FILE DOES NOT EXIST,
THEN THE PFN IS ASSUMED TO BE JUST <PFN>.)

ID - ID UNDER WHICH <PFN> IS CATALOGED (REQUIRED)

PW1,PW2 - RD AND TK PASSWORDS (IF ANY) FOR <PFN>

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL:

REMARKS

WHEN TEK480 IS USED, THE SCREEN(80,66) IS SET AUTOMATICALLY.

ERROR MESSAGES

ID MUST BE SPECIFIED
SELF-EXPLANATORY

INVALID POSTPROCESSOR (<WHICH>)
<WHICH> IS THE INVALID USER ENTRY. ONLY TEK300 AND
TEK480 ARE SUPPORTED.

PLFILE IS <PFN>COMPRESSED.ID=<ID> -OR-
PLFILE IS <PFN>,ID=<ID>
NAME OF PLFILE BEING USED

SCREEN(80,66) DEFINED
A REMINDER OF THE SCREEN CHANGE WHEN TEK480 IS USED.

AUTHOR

ED ZIVI - DTNSRDC CODE 2731
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: LATE 1979 (EZ)

DATE(S) REVISED

01/29/80 - DVS - CHANGE TO A PUBLIC-ACCESS PROCEDURE

PROCEDURE 'DOCADD'

PURPOSE

ADD ONE DOCUMENT TO A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCADD,,LIB,ID,PROG,AFTER,LFN,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF DOCUMENTATION FILE PFN
(FULL PFN IS LIB DOCUMENTATION)
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
PROG - NAME OF DOCUMENT TO BE ADDED
AFTER - NAME OF DOCUMENT AFTER WHICH THIS DOCUMENT IS TO
BE PLACED
(IF BLANK, WILL GO IN ALPHABETICAL ORDER.
IF 'O', WILL GO AT START OF FILE.
IF 'END', WILL GO AT END OF FILE.)
LFN - LFN OF FILE CONTAINING NEW DOCUMENT.
IT IS REWOUND BEFORE BEING READ. IT MUST NOT
CONTAIN A *DECK CARD.
AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 310008

REMARKS

THE LOWEST CYCLE OF LIB DOCUMENTATION IS PURGED, IF
POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

EXAMPLES

ASSUME THE OLD DOCUMENT FILE WAS CATALOGED WITH:
CATALOG,FILE,MYDOCUMENTATION.ID=XXXX,XR=RONLY.
AND HAS DOCUMENTS: A. B. D. F. G. H.

TO ADD DOCUMENT C (ON LFN CC) IN ALPHABETICAL ORDER:
BEGIN,DOCADD,,MY,XXXX,C,.CC.,RONLY.
THE NEW DOCUMENT FILE WILL HAVE: A. B. C. D. F. G. H.

TO ADD DOCUMENT C (ON LFN CC) AT START OF THE FILE:
BEGIN,DOCADD,,MY,XXXX,C.O.CC.,RONLY.
THE NEW DOCUMENT FILE WILL HAVE: C. A. B. D. F. G. H.

TO ADD THE DOCUMENT C (ON LFN CC) AT THE END OF THE FILE:
BEGIN,DOCADD,,MY,XXXX,C.END.CC.,RONLY.
THE NEW DOCUMENT WILL HAVE: A. B. D. F. G. H. C.

TO ADD THE DOCUMENT C (ON LFN CC) AFTER DOCUMENT F:
BEGIN,DOCADD,,MY,XXXX,C,F,CC,,RONLY.
THE NEW DOCUMENT FILE WILL HAVE: A, B, D, F, C, G, H.

SUGGESTED COMPLETE SEQUENCE OF OPERATIONS FOR CREATING A
DOCUMENT (USING DOC AND EDITOR) AND ADDING IT TO AN EXISTING
DOCUMENT FILE:

CONNECT,OUTPUT
ATTACH,UTILITY.
LIBRARY,UTILITY.
DOC. (OR MTDOC. OR PFDOC.)
(CREATE DOCUMENT IN FILE 'DOCMNT')
EDITOR
EDIT,DOCMNT,SEQ
(MODIFY, IF NECESSARY. INDICATE START OF EACH PAGE
BY PUTTING A '1' IN COLUMN 1 OF EACH LINE WHICH IS TO
BE THE FIRST LINE OF A PAGE.)
SAVE,NEWDOC,NOSEQ
LINER,NEWDOC.
(WILL COUNT PAGES AND LINES PER PAGE. IF ANY PAGE HAS
MORE THAN 59 LINES, GO BACK AND RESTRUCTURE THE
DOCUMENT.)
BYE
DOCIT,NEWDOC,FILE.
(WILL LENGTHEN EACH PAGE TO 60 LINES ADDING THE DATE,
DOCUMENT NAME AND PAGE COUNTS.)
BEGIN,DOCADD,,MYLIB,XXXX,DOCNAME,,FILE,,RONLY.
(WILL ADD THE DOCUMENT JUST CREATED (ON LFN 'FILE') TO
THE DOCUMENT FILE WITH PFN=MYLIBDOCUMENTATION,
ID=XXXX, IN ALPHABETICAL ORDER ACCORDING TO THE
SPECIFIED DOCUMENT NAME 'DOCNAME'. ALPHABETICAL
ORDER IS RECOMMENDED SO THAT LISTS OF THE CONTENTS
WILL BE MORE READABLE.)
BEGIN,DOCLIST,,MYLIB,XXXX,OUT.
(GET A LIST OF DOCUMENT NAMES WITH NUMBER OF CARDS,
LINES AND PAGES FOR EACH.)
PROGDOC,MYLIB,XXXX,DOCNAME,OUT.
(LIST THE DOCUMENT FROM THE DOCUMENT FILE TO VERIFY IT
WAS ADDED PROPERLY.)
BANNER,END,OUT.
(TO KEEP THE SYSTEM FROM PRINTING "END OF LIST"
MESSAGES ON LAST PAGE OF DOCUMENT.)
ROUTE,OUT,DC=PR,....
(PRINT THE LISTS ON ANY AVAILABLE PRINTER.)

AUTHOR
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED
03/01/78 - CONVERT TO CCL: INCREASE TO 5 PASSWORDS

PROCEDURE 'DOCDATE'

PURPOSE

LIST DOCUMENT NAMES (ON *DECK CARDS) TOGETHER WITH THE
DOCUMENT DATE AND PAGE NUMBERS (FROM BOTTOM LINE OF EACH
PAGE)

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCDATE..LIB,ID,OUTPUT,PW1,PW2,PW3,PW4,PW5..

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS PFN DOCUMENTATION)
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
OUTPUT - LISTABLE OUTPUT
PW1-PW5 - PASSWORDS FOR ATTACHING THE DOCUMENTATION FILE

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 32000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/05/80

DATE(S) REVISED

PROCEDURE 'DOCDELE'

PURPOSE

DELETE ONE DOCUMENT FROM A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCDELE.,LIB,ID,PROG,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF DOCUMENTATION FILE PFN
(FULL PFN IS LIB DOCUMENTATION)
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
PROG - NAME OF DOCUMENT TO BE DELETED
AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 31000B

REMARKS

THE LOWEST CYCLE OF LIB DOCUMENTATION IS PURGED. IF
POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

EXAMPLES

ASSUME THE OLD DOCUMENT FILE WAS CATALOGED WITH:
CATALOG.FILE.MYDOCUMENTATION,ID=XXXX.XR=RONLY.
AND HAS DOCUMENTS: A, B, D, F, G, H.

TO DELETE DOCUMENT G:

BEGIN,DOCDELE.,MY,XXXX,G.,RONLY.

THE NEW DOCUMENT FILE WILL HAVE: A, B, D, F, H.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL: INCREASE TO 5 PASSWORDS

PROCEDURE 'DOCDOC'

PURPOSE

LIST DOCUMENTATION FOR PROCEDURES DOCADD, DOCDATE, DOCDELE,
DOCDOC, DOCFILE, DOCGET, DOCLIST, DOCREPL

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.DOCDOC,.OUTPUT,LEFT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT
LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE
NON-BLANK - PRINT CENTERED ON WIDE PAGE

DEFAULT BEGIN STATEMENT

BEGIN.DOCDOC,.OUTPUT.

MAX FL: 25000B

REMARKS

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD
'DOCDOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE
LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/10/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL
02/05/80 - ADD PROCEDURE DOCDATE TO LIST

PROCEDURE 'DOCFILE'

PURPOSE

ATTACH A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.DOCFILE..LFN.PFN,ID,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

LFN - LOCAL FILE NAME TO BE USED
PFN - FIRST PART OF PFN.
FULL PFN IS PFN_DOCUMENTATION.
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 4500B

REMARKS

SAME AS: ATTACH.LFN.PFN_DOCUMENTATION,ID=*****.PW=PW1,PW2.
PW3.PW4.PW5.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892

DATE WRITTEN: 02/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL: INCREASE TO 5 PASSWORDS

PROCEDURE 'DOCGET'

PURPOSE

GET (EXTRACT) SPECIFIED DOCUMENT FROM A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCGET,LIB.ID,PROG,OUTPUT,LEFT,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS PFN_DOCUMENTATION)
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
PROG - NAME OF DOCUMENT TO BE EXTRACTED
(USE 'ALL' FOR ALL DOCUMENTS)
OUTPUT - LISTABLE OUTPUT
LEFT - PRINT CENTERING
OMITTED OR 'LEFT' - LEFT-JUSTIFIED ON PAGE
OTHER - CENTERED ON WIDE PAGE
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 30000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

12/01/77 - ADD 'LEFT' PARAMETER

03/01/78 - CONVERT TO CCL: ADD 5 PASSWORDS

PROCEDURE 'DOCLIST'

PURPOSE

LIST DOCUMENT NAMES (ON *DECK CARDS) IN A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCLIST,,LIB,ID,OUTPUT,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS PFN DOCUMENTATION)
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
OUTPUT - LISTABLE OUTPUT
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 270006

REMARKS

IN ADDITION TO THE DOCUMENT NAMES, THE NUMBER OF CARDS,
LINES AND PAGES IS GIVEN FOR EACH DOCUMENT.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

04/23/76
03/01/78 - CONVERT TO CCL: ADD 5 PASSWORDS

PROCEDURE 'DOCREPL'

PURPOSE

REPLACE ONE DOCUMENT IN A DOCUMENTATION FILE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCREPL,,LIB,ID,PROG,AFTER,LFN,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

- LIB - FIRST PART OF DOCUMENTATION FILE PFN
(FULL PFN IS LIB DOCUMENTATION)
- ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
- PROG - NAME OF DOCUMENT TO BE REPLACED
- AFTER - NAME OF DOCUMENT AFTER WHICH THIS DOCUMENT IS TO
BE PLACED
(IF BLANK, WILL GO IN ALPHABETICAL ORDER.
IF 'O', WILL GO AT START OF FILE.
IF 'END', WILL GO AT END OF FILE.)
(USED ONLY IF PROG DOES NOT ALREADY EXIST IN THE
DOCUMENT FILE.)
- LFN - LFN OF FILE CONTAINING NEW DOCUMENT.
IT IS REWOUND BEFORE BEING READ. IT MUST NOT
CONTAIN A *DECK CARD.
- AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
- PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 310006

REMARKS

THE LOWEST CYCLE OF LIB DOCUMENTATION IS PURGED, IF
POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

EXAMPLES

ASSUME THE OLD DOCUMENT FILE WAS CATALOGED WITH:
CATALOG,FILE,MYDOCUMENTATION,ID=XXXX,XR=RONLY.
AND HAS DOCUMENTS: A, B, D, F, G, H.

TO REPLACE DOCUMENT F (NEW DOCUMENT ON LFN FF):
BEGIN,DOCREPL,,MY,XXXX,F,,FF,,RONLY.
THE NEW DOCUMENT FILE WILL HAVE: A, B, D, F, G, H.

TO REPLACE DOCUMENT E (NEW DOCUMENT ON LFN EE):
BEGIN,DOCREPL,,MY,XXXX,E,,EE,,RONLY.
THE NEW DOCUMENT FILE WILL HAVE: A, B, D, E, F, G, H.

NOTE THAT SINCE E DID NOT EXIST, REPLACE WAS CHANGED TO ADD.
BECAUSE THE AFTER PARAMETER WAS OMITTED, E WAS ADDED
ALPHABETICALLY.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

PROCEDURE 'DOCTAPE'

PURPOSE

EXTRACT (PRINT) ONE OR ALL DOCUMENTS FROM A DOCUMENT FILE
ON TAPE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,DOCTAPE,,LIB,DOC,OUTPUT,LEFT.

DESCRIPTION OF PARAMETERS

LIB - LIBRARY CONTAINING PROGRAM WHOSE DOCUMENT IS
REQUESTED
DOC - NAME OF DOCUMENT
(USE 'ALL' TO PRINT ALL DOCUMENTS)
OUTPUT - LISTABLE OUTPUT
LEFT - OMITTED OR LEFT - PRINT AT LEFT OF PAGE
ANYTHING ELSE - PRINT IN CENTER OF WIDE PAPER

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MA> FL: 32000B

REMARKS

DOCTAPE IS A BATCH-ONLY PROCEDURE.

THE FOLLOWING LIBRARIES ARE SUPPORTED:

ARLNARG
EISPACK
FUNPACK
IMSL
LINPACK
MINPACK
MSL (ONLY A FEW)

GENERALLY, THE DOCUMENTS ARE SOME OF THE COMMENT CARDS
EXTRACTED FROM THE SOURCE PROGRAMS.

ERROR MESSAGES

DOCTAPE REQUIRES A TAPE AND MUST BE RUN IN BATCH
USER TRIED TO USE DOCTAPE UNDER INTERCOM

EISPACK DOCUMENTATION NOT READY
SELF-EXPLANATORY

INVALID LIBRARY (<LIB>)
SELF-EXPLANATORY (SEE REMARKS ABOVE)

NO DOCUMENT REQUESTED
SELF-EXPLANATORY

NO LIBRARY REQUESTED
SELF-EXPLANATORY

AUTHOR
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/01/77

DATE(S) REVISED
03/01/78 - CONVERT TO CCL
11/08/79 - ADD LINPACK

PROCEDURE 'GETPROD'

PURPOSE

GET PRODUCTS FILE(S) FOR NOS/BE LEVELS 461, 439, 434, 420,
414, 410, 406, 401, 380

FUNCTIONAL CATEGORIES: QO

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,GETPROD,,LVL,COBOL5,SORTMRG.

DESCRIPTION OF PARAMETERS

LVL - DESIRED LEVEL (SEE PURPOSE ABOVE)
(LFN 'PROD' WILL CONTAIN THE PRODUCTS FILE)
COBOL5 - NON-BLANK - GET COBOL5 FILE (LVL=461/434)
(LFN 'CBL' WILL CONTAIN IT)
SORTMRG - NON-BLANK - GET SORT/MERGE FILE (LVL=461)
(LFN 'SORTLIB' WILL CONTAIN IT)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

LVL=414/410/406/401/380 ARE OBTAINED FROM TAPE AND MUST
BE RUN IN BATCH MODE.

ERROR MESSAGES

GETPROD BELOW LVL=420 REQUIRES A TAPE
AND MUST BE RUN FROM BATCH
SELF-EXPLANATORY

INVALID LEVEL (<LVL>)
MUST BE ONE OF:
461 439 434 420 414 410 406 401 380
SELF-EXPLANATORY

NO LEVEL REQUESTED
MUST BE ONE OF:
461 439 434 420 414 410 406 401 380
SELF-EXPLANATORY

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/30/78

DATE(S) REVISED

PROCEDURE 'GRIPE'

PURPOSE

ALLOW USER TO MAKE GRIPEs OR SUGGESTIONS DIRECTLY TO THE COMPUTER.

FUNCTIONAL CATEGORIES: SO

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,GRIPE,,OUTPUT,PROMPT,DUMMY,INPUT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT, IF USER REQUESTS A COPY OF HIS COMMENTS. TO PRINT AT THE TELETYPE, USER MUST CONNECT,OUTPUT.
PROMPT - INTERACTIVE USE ONLY:
IF NO - ONLY NOMINAL PROMPTING IS PROVIDED.
IF OMITTED OR ANYTHING ELSE - FULL PROMPTING IS PROVIDED.
DUMMY - RESERVED FOR FUTURE USE
INPUT - BATCH: FILE FROM WHICH GRIPE AND ADMINISTRATIVE INFORMATION IS TO BE READ.
INTERACTIVE: IF GRIPE IS TO BE ENTERED DIRECTLY FROM THE KEYBOARD, OMIT THIS PARAMETER.
IF THE GRIPE WAS PREPARED EARLIER 'E.G., USING EDITOR', ENTER THE LFN OF THE FILE CONTAINING THE GRIPE (DO NOT USE LFN 'INPUT').

DEFAULT BEGIN STATEMENT

BATCH : BEGIN,GRIPE..OUTPUT,..INPUT.
INTERACTIVE: BEGIN,GRIPE..OUTPUT.

MAX FL: 360005

REMARKS

ALL GRIPEs WILL BE READ AND TROUBLE FORMS PREPARED, IF APPROPRIATE.

DATA CARDS (BATCH ONLY)

THE GRIPE IS ENTERED IN COLUMNS 1-70 OF AS MANY CARDS AS REQUIRED (PLEASE BE BRIEF). THIS IS FOLLOWED BY A CARD WITH 'END' IN COLUMNS 1-10.

THE LAST CARD HAS ADMINISTRATIVE INFORMATION FOR PREPARING A TROUBLE FORM, SHOULD ONE BE NECESSARY. IT CONTAINS:

COL	CONTENTS
1-20	NAME
21-40	DTNSRDC CODE OR COMPANY NAME
41-50	TELEPHONE
51-54	USER INITIALS (OF THE FORM XXXX)

EXAMPLES

THE SIMPLEST FORM FOR BATCH USE:

JOB CARD

CHARGE CARD

BEGIN, GRIPE.

' 7/8/9 EOR

(GRIPE)

END

NAME ... CODE ... PHONE INIT

" 6/7/8/9 EOF

THE SIMPLEST FORM FOR INTERACTIVE:

CONNECT, OUTPUT.

BEGIN, GRIPE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/76

DATE(S) REVISED

03/01/76 - CONVERT TO CCL

PROCEDURE 'LGOTREE'

PURPOSE

GENERATE CROSS-REFERENCE LISTS AND TREE STRUCTURE FROM
BINARY RELOCATABLE OBJECT PROGRAM

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.LGOTREE,,LFN,OUTPUT,RFL.

DESCRIPTION OF PARAMETERS

LFN - RELOCATABLE PROGRAM TO BE PROCESSED (DEFAULT: LGO)
OUTPUT - LISTABLE OUTPUT
RFL - FL NEEDED FOR EXECUTION OF STRUCTURE PROGRAM
(DEFAULT OF 30000 IS SUFFICIENT FOR MOST FILES)
(USER'S FL IS RESTORED TO THE SYSTEM DEFAULT)

DEFAULT BEGIN STATEMENT

BEGIN.LGOTREE,,LGO,OUTPUT,30000.

MAX FL: 300008 (OR AS USER SPECIFIES IN THIRD PARAMETER)

REMARKS

THIS PROCEDURE USES A PROGRAM WRITTEN AT THE CONSTRUCTION
ENGINEERING RESEARCH LAB (CERL) AND MODIFIED AT
DTNSRDC.

REFERENCES IN A MAIN PROGRAM TO FILES LISTED IN THE PROGRAM
STATEMENT WILL NOT GENERATE EXTERNAL REFERENCES AND,
THEREFORE, WILL NOT APPEAR IN THE CROSS-REFERENCE LISTS OR
TREE STRUCTURE. REPLACING THE PROGRAM STATEMENT WITH ONE
CONTAINING NO FILES (E.G., 'PROGRAM SAMPLE') WILL FORCE
EXTERNAL REFERENCES FOR I/O OPERATIONS WHICH WILL THEN BE
PROCESSED BY THE STRUCTURE PROGRAM.

ERROR MESSAGES

ABNORMAL TERMINATION

IF NO OTHER ERRORS LISTED, INCREASE RFL
USER-SPECIFIED (OR DEFAULT) RFL WAS NOT SUFFICIENT.
THE PROCEDURE ENDS WITH 'REVERT,ABORT'.

<OUTPUT> CONTAINS STRUCTURE OF FILE <LFN>
PROCEDURE WAS SUCCESSFUL

AUTHORS

DAVID V SOMMER - DTNSRDC CODE 1892.2 - PROCEDURE 'LGOTREE'
PETE ROTH - DTNSRDC CODE 175.2 - PROGRAM 'ANATOMY'

DATE WRITTEN: 07/06/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL
12/10/80 - CHANGE NAME FROM 'STRUCT' TO 'LGOTREE'
- USE MODIFIED STRUCT PROGRAM CALLED ANATOMY

PROCEDURE 'LIBPRO'

PURPOSE

EXECUTE A PROCEDURE ON LIBRARY 'PROCFIL' CATALOGED UNDER ANY
ID

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,LIBPRO,,ID,PNAME,PARAMS.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE LIBRARY IS CATALOGED
(PFN MUST BE 'PROCFIL')
PNAME - PROCEDURE NAME
PARAMS - UP TO 18 POSITIONAL PARAMETERS FOR PROCEDURE
'PNAME'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

REMARKS

ANY 'LIBRARY' STATEMENT IN EFFECT WHEN 'LIBPRO' STARTS IS
CLEARED WHEN 'LIBPRO' FINISHES.

SEE 'LIBPROA' FOR ANY PROCEDURE LIBRARY.

SEE 'ANYPROS', 'MYPROS' FOR SEQUENTIAL PROCEDURE FILES.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/01/79

DATE(S) REVISED

PROCEDURE 'LIBPROA'

PURPOSE

EXECUTE A PROCEDURE ON ANY CATALOGUED PROCEDURE LIBRARY

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,LIBPROA,,PFN,ID,PNAME,PARAMS.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME OF PROCEDURE FILE
ID - ID UNDER WHICH PFN IS CATALOGED
PNAME - PROCEDURE NAME
PARAMS - UP TO 17 POSITIONAL PARAMETERS FOR 'PNAME'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

REMARKS

ANY 'LIBRARY' STATEMENT IN EFFECT WHEN 'LIBPROA' STARTS IS
CLEARED WHEN 'LIBPROA' FINISHES.

SEE 'LIBPRO' IF THE PFN IS 'PROCFIL'.
SEE 'ANYPROS', 'MYPROS' FOR SEQUENTIAL PROCEDURE FILES.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 11/01/79

DATE(S) REVISED

PROCEDURE 'LIBSET1'

PURPOSE

CREATE SIMPLE ABSOLUTE USING ONE EDITLIB LIBRARY

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.LIBSET1,,LGO,ABS,LIB1,ID1.

DESCRIPTION OF PARAMETERS

LGO - RELOCATABLE PROGRAM
ABS - RESULTING ABSOLUTE MODULE
LIB1 - PFN OF EDITLIB USER LIBRARY
(DEFAULT: NSRDC)
ID1 - ID UNDER WHICH LIB1 IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)

DEFAULT BEGIN STATEMENT

BEGIN.LIBSET1..LGO,ABS.NSRDC.

MAX FL: DEPENDS ON PROGRAM BEING LOADED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - D1NSRDC CODE 1892.2

DATE WRITTEN: 03/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'LIBSET2'

PURPOSE

CREATE SIMPLE ABSOLUTE USING TWO EDITLIB LIBRARIES

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.LIBSET2.,LGD,ABS.LIB1,ID1,LIB2,ID2.

DESCRIPTION OF PARAMETERS

LGD - RELOCATABLE PROGRAM
ABS - RESULTING ABSOLUTE MODULE
LIB1 - PFN OF FIRST EDITLIB USER LIBRARY
(DEFAULT: NSRDC)
D1 - ID UNDER WHICH LIB1 IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
LIB2 - PFN OF SECOND EDITLIB USER LIBRARY
(DEFAULT: NSRDC)
ID2 - ID UNDER WHICH LIB2 IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)

DEFAULT BEGIN STATEMENT

BEGIN.LIBSET2.,LGD,ABS.NSRDC.,NSRDC.

MAX FL: DEPENDS ON PROGRAM BEING LOADED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/01/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'LINE6'

PURPOSE

SET PRINT FILE TO 6 LINES PER INCH

FUNCTIONAL CATEGORIES: J4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,LINE6.,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN,LINE6.,OUTPUT.

MAX FL: 6000B

REMARKS

USER SHOULD PRINT THE NEXT LINE AT THE TOP OF THE NEXT PAGE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/07/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'LINE8'

PURPOSE

SET PRINT FILE TO 8 LINES PER INCH

FUNCTIONAL CATEGORIES: J4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,LINE8,,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

BEGIN,LINE8,,OUTPUT.

MAX FL: 6000B

REMARKS

USER SHOULD PRINT THE NEXT LINE AT THE TOP OF THE NEXT PAGE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/07/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'LIST'

PURPOSE

LIST A PERMANENT FILE

FUNCTIONAL CATEGORIES: 01

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,LIST,,PFN,ID,OUTPUT,8,RTN,SHIFT,PW1,PW2,SN.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME
ID - ID UNDER WHICH PFN IS CATALOGED
OUTPUT - LISTABLE OUTPUT
8 - PRINT DENSITY
OMITTED OR 8 - 8 LINES PER INCH
OTHER - 6 LINES PER INCH
RTN - LISTING PROGRAM DESIRED
OMITTED - COPYSF
OTHER - LISTZ IN LIBRARY 'UTILITY'
SHIFT - NUMBER OF COLUMNS TO SHIFT PRINTOUT (DEFAULT: 1)
(FOR A FILE HAVING CARRIAGE CONTROL IN COLUMN 1 OF
EACH LINE, USE 0 TO USE THOSE CARRIAGE CONTROL
CHARACTERS)
(SHIFT IS USED ONLY IF RTN IS OMITTED)
PW1,PW2 - TK AND RD PASSWORDS
SN - SETNAME (DEFAULT: SYSSET)

DEFAULT BEGIN STATEMENT

LIST,*,OUTPUT,,8,,1.
(* - USER MUST SUPPLY)

MAX FL: 33000B

REMARKS

THIS IS SOMEWHAT LIKE THE BURROUGHS LIST COMMAND IN THAT IT
WILL ATTACH THE FILE BEFORE LISTING IT AND RETURN IT AFTER.

EXAMPLES

- 1) LIST A SEQUENTIAL SOURCE PROGRAM OR DATA FILE USING
LISTZ:
BEGIN,LIST,,SOURCE/MYPROG,XXXX,,Z.
- 2) LIST A DOCUMENT FILE:
BEGIN,LIST,,DOC/MYPROG,XXXX,,0.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/25/80

DATE(S) REVISED

02/25/81 - GENERALIZE AND ADD TO PUBLIC PROCEDURE FILE

02/26/81

2-55

LIST - 1 OF 1

PROCEDURE 'MANUAL'

PURPOSE

PRINT ONE COPY OF A MANUAL OR ITS REVISION PAGES

FUNCTIONAL CATEGORIES: 01

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, MANUAL., WHICH, REV, OUTPUT, PM.

DESCRIPTION OF PARAMETERS

WHICH - NAME OF DESIRED MANUAL

CDC SERIES:

CCRM (DEFAULT)

CCIRM

CLIB

BURROUGHS SERIES:

CCBRM

CCBIRM

BLIB

REV - (CCRM, CCBRM ONLY) ONE OF:
OMITTED OR 0 - COMPLETE MANUAL
LATEST - LATEST REVISION PAGES (FASTER THAN
SPECIFYING THE LATEST REVISION
NUMBER)

N - A SPECIFIC REVISION NUMBER
(EXTRACTS ALL REVISIONS FROM THIS
ONE ON)

- (CLIB, BLIB ONLY) ONE OF:

OMITTED OR 0 - CLIB OR BLIB

M - CLIB/M OR BLIB/M

N - CLIB/N OR BLIB/N

P - CLIB/P OR BLIB/P

U - CLIB/U OR BLIB/U

OUTPUT - LISTABLE OUTPUT

PM - OUTPUT FORMAT. ONE OF:

OMITTED - LEFT-JUSTIFIED, WIDE PAPER

1T - LEFT-ADJ, PM MESSAGE GENERATED FOR
1-PART NARROW PAPER FOR REMOTE BATCH
TERMINALS

PM - SAME AS 1T

C - CENTERED ON WIDE PAPER

DEFAULT BEGIN STATEMENT

BEGIN, MANUAL., CCRM, 0, OUTPUT.

MAX FL: 30000B

REMARKS

NONE

ERROR MESSAGES

CCL PROCEDURE 'MANUAL' V1.2

PM PARAMETER (<PM>) INVALID - MUST BE ONE OF:

OMITTED (LEFT-ADJ, WIDE PAPER)

1T (LEFT-ADJ, PM MESSAGE GENERATED FOR
NARROW PAPER ON REMOTE TERMINAL)

C (CENTERED, WIDE PAPER)

CCL PROCEDURE 'MANUAL' V1.2

WHICH PARAMETER (<WHICH>) INVALID - MUST BE ONE OF:

CCBIRM - COMPUTER CENTER BURROUGHS INTRODUCTORY REFERENCE
MANUAL

CCBRM - COMPUTER CENTER BURROUGHS REFERENCE MANUAL

BLIB - COMPUTER CENTER BURROUGHS LIBRARIES
(REV IS ONE OF: OMITTED, M, N, P, U)

CCIRM - COMPUTER CENTER CDC INTRODUCTORY REFERENCE
MANUAL

CCRM - COMPUTER CENTER CDC REFERENCE MANUAL

CLIB - COMPUTER CENTER CDC LIBRARIES
(REV IS ONE OF: OMITTED, M, N, P, U)

EXAMPLES

1) TO PRINT THE COMPLETE CCRM ON NARROW, UNLINED PAPER AT
REMOTE BATCH TERMINAL 011:
BEGIN,MANUAL,,CCRM,,OUT,1T
ROUTE,OUT,DC=PR,TID=011,FID=*,

2) TO PRINT THE LATEST CCRM REVISION PAGES ON NARROW,
UNLINED PAPER AT CENTRAL SITE:
BEGIN,MANUAL,,CCRM,LATEST,OUT,
ROUTE,OUT,DC=PR,TID=C,FID=*,FC=17.

3) TO PRINT CCRM, REVISION 3 ON:
BEGIN,MANUAL,,CCRM,3.

4) TO PRINT CCRM, ALL REVISIONS, CENTERED:
BEGIN,MANUAL,,CCRM,1,,C.

5) TO PRINT BLIB/N ON NARROW, UNLINED PAPER AT REMOTE
TERMINAL 011:
BEGIN,MANUAL,,BLIB,N,OUT,1T,
ROUTE,OUT,DC=PR,TID=011.

AUTHOR

DAVID V. SOMMER - DTNSRDC 1892.2

DATE WRITTEN: 08/21/79

DATE(S) REVISED

12/09/80 - 'PM' PARAMETER EXPANDED TO ALLOW CENTERING OPTION

01/23/81 - EXPAND TO PRINT CCLIB-SERIES AND CCBLIB-SERIES
(REPLACES PROCEDURES 'CCLIB' AND 'CCBLIB')

02/26/81 - CHANGE CCLIB TO CLIB, CCBLIB TO BLIB

PROCEDURE 'MFX'

PURPOSE

TELL INTERACTIVE USER WHICH MAINFRAME HE IS USING

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,MFX.

DEFAULT BEGIN STATEMENT

BEGIN,MFX.

MAX FL: 6000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: MID-1977

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'MNSRDC'

PURPOSE

EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'MNSRDC'

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,MNSRDC..PROG,PARAMS.

DESCRIPTION OF PARAMETERS

PROG - PROGRAM TO BE EXECUTED

PARAMS - UP TO 19 PARAMETERS FOR 'PROG'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MA' FL: DEPENDS ON PROGRAM BEING EXECUTED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/25/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'MYPRO'

PURPOSE

EXECUTE A PROCEDURE ON FILE 'PROCFIL' CATALOGED UNDER ANY ID

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, MYPRO., ID, PNAME, PARAMS.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN MUST BE 'PROCFIL')

PNAME - PROCEDURE NAME

PARAMS - UP TO 18 POSITIONAL PARAMETERS FOR PROCEDURE
'PNAME'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

REMARKS

SEE 'ANYPRO' OR 'ANYPROS' FOR ANY PROCEDURE FILE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/21/76

DATE(S) REVISED

PROCEDURE 'MYPROS'

PURPOSE

EXECUTE A PROCEDURE ON SEQUENTIAL FILE 'PROCFILS' CATALOGED
UNDER ANY ID

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,MYPROS,,ID,PNAME,PARAMS.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH SEQUENTIAL PROCEDURE FILE IS
CATALOGED (PFN MUST BE 'PROCFILS')
PNAME - PROCEDURE NAME
PARAMS - UP TO 18 POSITIONAL PARAMETERS FOR PROCEDURE
'PNAME'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROCEDURE BEING EXECUTED

REMARKS

SEE MYPRO' FOR RANDOM FILE 'PROCFIL'. 'ANYPRO' FOR ANY
PROCEDURE FILE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/27/78

DATE(S) REVISED

PROCEDURE 'NOGO'

PURPOSE

CREATE SIMPLE ABSOLUTE FROM RELOCATABLE

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,NOGO,,LGO,ABS.

DESCRIPTION OF PARAMETERS

LGO - RELOCATABLE PROGRAM

ABS - RESULTING ABSOLUTE MODULE
(MAY BE CATALOGED)

DEFAULT BEGIN STATEMENT

BEGIN,NOGO,,LGO,ABS.

MAX FL: DEPENDS UPON PROGRAM BEING LOADED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/21/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'NORERUN'

PURPOSE

INSURE THAT A BATCH JOB CANNOT BE RERUN BY OPERATOR
TYPE-IN

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,NORERUN.

DEFAULT BEGIN STATEMENT

BEGIN,NORERUN.

MAX FL: 450GB

REMARKS

THIS PROCEDURE WILL CATALOG AND PURGE A DUMMY FILE.

ERROR MESSAGES

SORRY - NORERUN IS FOR BATCH ONLY
TRIED TO EXECUTE PROCEDURE OUTSIDE OF BATCH

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/14/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE PAC

PURPOSE

PURGE ALL CYCLES OF A FILE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PAC,,PFN,ID,PW1,PW2,PW3,PW4,PW5,SN,UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - UP TO 5 PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

PROCEDURE 'PAHC'

PURPOSE

PURGE ALL HIGH CYCLES WHILE RETAINING LOW CYCLE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PAHC, .PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME
ID - ID
PW1-PW5 - UP TO 5 PASSWORDS
SN - SETNAME (DEFAULT: SYSSET)
UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 150COB

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

PROCEDURE 'PALC'

PURPOSE

PURGE ALL LOW CYCLES WHILE RETAINING HIGH CYCLE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PALC, , PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME
ID - ID
PW1-PW5 - UP TO 5 PASSWORDS
SN - SETNAME (DEFAULT: SYSSET1)
UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

PROCEDURE 'PFRSTOR'

PURPOSE

CREATE A FILE OF DIRECTIVES TO RESTORE PERMANENT FILES

FUNCTIONAL CATEGORIES: Q4

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

PUBLIC-ACCESS PROCEDURE FILE

USAGE

BEGIN,PFRSTOR.

DEFAULT BEGIN STATEMENT

BEGIN,PFRSTOR.

MAX FL:

REMARKS

THIS PROCEDURE EXECUTES A PROGRAM WHICH WILL PROMPT THE USER FOR INFORMATION NEEDED TO CREATE A FILE OF DIRECTIVES WHICH WILL THEN BE USED BY USER SERVICES TO RESTORE PERMANENT FILES WHICH WERE PURGED BECAUSE OF LACK OF USE.

THE FILE CREATED HAS PFN=RESTORFFILES AND IS CATALOGED UNDER THE ID OF THE PERSON RUNNING THE PROCEDURE.

THE PROGRAM THIS PROCEDURE EXECUTES HAS BUILT-IN DIRECTIONS.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/16/80

DATE(S) REVISED

PROCEDURE 'PFTRAN1'

PURPOSE

INVOKE PFTRANS TO TRANSFER ONE FILE

FUNCTIONAL CATEGORIES: K1

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PFTRAN1.,PFN,ID,CY,OUTPUT.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME OF FILE TO BE TRANSFERRED
(REQUIRED)
ID - ID UNDER WHICH PFN IS CATALOGED
(REQUIRED)
CY - IF SPECIFIED - SINGLE CYCLE TO BE TRANSFERRED
IF OMITTED - ALL CYCLES ARE TRANSFERRED
OUTPUT - LISTABLE OUTPUT FROM PROGRAM PFTRANS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL:

REMARKS

IF SEVERAL FILES ARE TO BE TRANSFERRED, USE PROGRAM PFTRANS
DIRECTLY.

FOR THE DOCUMENT DESCRIBING PROGRAM 'PFTRANS':
BEGIN.DOCGET,.OTHER,.PFTRANS,OUTPUT.

OUTPUT DESCRIPTION

PFTRANS LISTS THE DIRECTIVE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2 - PROCEDURE ONLY
ROGER YEARICK - DTNSRDC CODE 1892.3 - PROGRAM PFTRANS

DATE WRITTEN: 10/12/79

DATE(S) REVISED

03/05/80 - REMOVE TEST FOR PRESENCE OF PF/ID

PROCEDURE 'PGMTAPE'

PURPOSE

EXTRACT A SOURCE PROGRAM FROM TAPE

FUNCTIONAL CATEGORIES: Q6

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PGMTAPE,,LIB,PGM,OUTFILE,CST.

DESCRIPTION OF PARAMETERS

LIB - LIBRARY (ONE OF: BIMED, NSRDC (DEFAULT),
SSP)
PGM - PROGRAM DESIRED
OUTFILE - FILE TO CONTAIN SOURCE PROGRAM
CST - TYPE OF FILE DESIRED
C - COMPILE FILE (UPDATE,C=OUTFILE)
S - SOURCE FILE (UPDATE,S=OUTFILE)
T - SOURCE FILE (UPDATE T=OUTFILE)

DEFAULT BEGIN STATEMENT

BEGIN,PGMTAPE,,NSRDC,*,COMPILE,C.
(* - USER MUST SUPPLY)

MAX FL: 42000B

REMARKS

THIS IS A BATCH-ONLY PROCEDURE. THE JOB CARD MUST SPECIFY
MT1. THE PROCEDURE WILL SUPPLY THE LABEL CARD.

ERROR MESSAGES

NO PROGRAM REQUESTED
PARAMETER 'PGM' WAS OMITTED.

PGMTAPE REQUIRES A TAPE AND MUST BE RUN FROM BATCH
USER TRIED TO EXECUTE PGMTAPE FROM INTERCOM.

UNKNOWN LIBRARY (<LIB>)
INDICATED LIBRARY NAME IS NOT SUPPORTED.

EXAMPLE

GET SOURCE PROGRAM FOR PROGRAM 'CMPINV' IN LIBRARY 'NSRDC':

JOBNAME,MT1.
CHARGE,....
BEGIN,PGMTAPE,,CMPINV,FILE.

LFN 'FILE' CONTAINS A COMPILE FILE COPY OF 'CMPINV'.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/24/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

01/21/81

2-69

PGMTAPE - 1 OF 1

PROCEDURE 'PHC'

PURPOSE

PURGE HIGH CYCLE WHILE RETAINING LOW CYCLE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PHC, , PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 150C0B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

PROCEDURE 'PLC'

PURPOSE

PURGE LOW CYCLE WHILE RETAINING HIGH CYCLE

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PLC., PFN, ID, PW1, PW2, PW3, PW4, PW5, SN, UV.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME

ID - ID

PW1-PW5 - PASSWORDS

SN - SETNAME (DEFAULT: SYSSET)

UV - UNIVERSAL PASSWORD (FOR USER DEVICE SETS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 15000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 01/27/80

DATE(S) REVISED

02/24/81 - ADD SN AND UV PARAMETERS

PROCEDURE 'PM'

PURPOSE

CREATE CERTAIN PRINT MESSAGE (PM) RECORDS

FUNCTIONAL CATEGORIES: J4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PM,,FC,OUTPUT,PM1,PM2,PM3,PM4,PM5,PM6.

DESCRIPTION OF PARAMETERS

FC - FORMS CODE
OMITTED - PM RESTORE PRINTER
1T - PM 1-PART NARROW UNLINED PAPER
'OTHER' - PM PM1 PM2 PM3 PM4 PM5 PM6
(USER MAY CREATE A MESSAGE OF UP TO
6 WORDS (30 CHARACTERS MAX))
OUTPUT - LISTABLE OUTPUT
PM1-PM6 - UP TO 6 WORDS FOR USER-SPECIFIED PM MESSAGE
(USED ONLY WHEN FC=OTHER)

DEFAULT BEGIN STATEMENT

BEGIN,PM,,,OUTPUT.

MAX FL: 6000E

REMARKS

BE SURE 'BEGIN,PM,,,OUTPUT.' HAS BEEN EXECUTED TO RESTORE
PRINTER BEFORE ROUTING OUTPUT TO BE PRINTED.

PM MESSAGES ARE IGNORED AT CENTRAL SITE. USE FC= ON ROUTE
COMMAND.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/30/76

DATE(S) REVISED

11/19/76 - ADD 'OTHER' OPTION
03/01/78 - CONVERT TO CCL

PROCEDURE 'PROADD'

PURPOSE

ADD ONE PROCEDURE TO A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PROADD, .ID, NEW, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')
NEW - FILE CONTAINING NEW NAMED PROCEDURE
(MAY NOT BE FILE 'INPUT')
AC - AC FOR CATALOG (MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE REMOVED.

THE LOWEST CYCLE IS PURGED, IF POSSIBLE. AT LEAST 2
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

PROCEDURE 'PROALL'

PURPOSE

LIST PROCEDURE NAMES, PROCEDURE HEADERS AND THE PROCEDURES
IN A SEQUENTIAL PROCEDURE FILE (COMBINES PRONAM, PROHDR
AND PROLIST)

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PROALL,,ID,OUTPUT,LEFT,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH THE PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')
OUTPUT - LISTABLE OUTPUT
LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE
NON-BLANK - PRINT CENTERED ON WIDE PAGE
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD
'PROCFILS' AND THE SPECIFIED ID. A BANNER PAGE WITH THE
WORD 'END' FOLLOWS THE LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/02/76

DATE(S) REVISED

02/10/77 - ADD PARAMETER 'LEFT'
03/01/78 - CONVERT TO CCL: ADD 5 PASSWORDS

PROCEDURE 'PRODELE'

PURPOSE

DELETE ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PRODELE., ID, PROCED.AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')
PROCED - PROCEDURE TO BE DELETED
AC - AC FOR CATALOG (MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE REMOVED.

THE LOWEST CYCLE IS PURGED, IF POSSIBLE. AT LEAST 2
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL: INCREASE TO 5 PASSWORDS

PROCEDURE 'PRODOC'

PURPOSE

LIST DOCUMENTATION FOR PROCEDURES PROADD, PROALL, PRODELE,
PRODOC, PROGET, PROHDR, PROLIST, PRONAM, PROREPL, PROS2R

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PRODOC, .OUTPUT, LEFT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE
NON-BLANK - PRINT CENTERED ON WIDE PAGE

DEFAULT BEGIN STATEMENT

BEGIN, PRODOC, .OUTPUT.

MAX FL: 25000B

REMARKS

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD
'PRODOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE
LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/02/76

DATE(S) REVISED

02/10/77 - ADD PARAMETER 'LEFT'

03/01/78 - CONVERT TO CCL; ADD PROS2R DOCUMENT

PROCEDURE 'PROGET'

PURPOSE

GET (EXTRACT) ONE PROCEDURE FROM A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PROGET,,ID,PROCED,LFN,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')
PROCED - NAME OF DESIRED PROCEDURE
LFN - NAME OF FILE TO CONTAIN 'PROCED'
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 360008

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

AUTHOR

DAVID \ SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

02/04/77 - ADD PW1 AND PW2
03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

PROCEDURE 'PROGRAM'

PURPOSE

EXECUTE A CATALOGED PROGRAM (NOT IN A LIBRARY)

FUNCTIONAL CATEGORIES: LO Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PROGRAM, , PFN, ID, PARAMS.

DESCRIPTION OF PARAMETERS

PFN - PERMANENT FILE NAME OF THE PROGRAM
ID - ID UNDER WHICH IT IS CATALOGED
(DEFAULT: SYSTEM PUBLIC ACCESS ID)
PARAMS - UP TO 18 PARAMETERS FOR THE PROGRAM

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS UPON PROGRAM BEING EXECUTED

REMARKS

<PFN> IS ATTACHED WITH LEN 'ZZZPROG' AND IS RETURNED AT THE
END OF THE PROCEDURE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 09/14/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; ADD 5 PASSWORDS

PROCEDURE 'PROHDR'

PURPOSE

LIST PROCEDURE HEADERS IN A PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PROHDR,,ID,OUTPUT,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')
OUTPUT - LISTABLE OUTPUT
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 360006

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE FLAGGED IN THE LIST.

AUTHOR

DAVID V SUMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL: ADD 5. PASSWORDS

PROCEDURE 'PROLIST'

PURPOSE

LIST PROCEDURE(S) IN A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PROLIST,,ID,OUTPUT,PROCED,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')

OUTPUT - LISTABLE OUTPUT

PROCED - NAME OF PROCEDURE TO BE LISTED
(IF OMITTED OR 'ALL', ALL PROCEDURES ARE LISTED)

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 360005

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE FLAGGED IN THE LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL: ADD 5 PASSWORDS

PROCEDURE 'PRONAM'

PURPOSE

LIST NAMES OF PROCEDURES IN A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PRONAM, , ID, OUTPUT, FULL, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')

OUTPUT - LISTABLE OUTPUT

FULL - IF OMITTED, A FULL LIST WITH HEADINGS IS PRINTED.
IF ANYTHING IS SPECIFIED, A QUICK, SINGLE-COLUMN
LIST, WITHOUT HEADINGS, IS PROVIDED. THIS MAY BE
MORE USEFUL AT AN INTERACTIVE TERMINAL.

PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE FLAGGED IN THE LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL: ADD 5 PASSWORDS

PROCEDURE 'PROREPL'

PURPOSE

REPLACE ONE PROCEDURE IN A SEQUENTIAL PROCEDURE FILE

FUNCTIONAL CATEGORIES: Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PROREPL, .ID, NEW, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

ID - ID UNDER WHICH PROCEDURE FILE IS CATALOGED
(PFN IS 'PROCFILS')
NEW - FILE CONTAINING NEW NAMED PROCEDURE
(MAY NOT BE FILE 'INPUT')
AC - AC FOR CATALOG (MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 36000B

REMARKS

PROCEDURE FILE IS A SEQUENTIAL FILE OF NAMED PROCEDURES
ARRANGED IN ALPHABETICAL ORDER. EACH PROCEDURE CONSISTS OF
ONE AND ONLY ONE SYSTEM LOGICAL RECORD.

ALL EMPTY RECORDS ARE REMOVED.

THE LOWEST CYCLE IS PURGED, IF POSSIBLE. AT LEAST 2
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/28/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL; INCREASE TO 5 PASSWORDS

PROCEDURE 'PROS2R'

PURPOSE

CONVERT SEQUENTIAL PROCEDURE FILE TO RANDOM EDITLIB USER
LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PROS2R,,IDS,IDR,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

IDS - ID UNDER WHICH SEQUENTIAL FILE 'PROCFILS' IS
CATALOGED
IDR - ID UNDER WHICH RANDOM FILE 'PROCFIL' IS TO BE
CATALOGED
AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
PW1-PW5 - PASSWORDS FOR RANDOM FILE
(WILL HAVE EFFECT ONLY IF AT LEAST ONE CYCLE OF
RANDOM FILE 'PROCFIL' EXISTS BEFORE PROS2R IS
EXECUTED)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL:

REMARKS

PFN OF SEQUENTIAL FILE MUST BE 'PROCFILS'.
PFN OF RANDOM FILE WILL BE 'PROCFIL'.
LOWEST CYCLE OF 'PROCFIL' WILL BE PURGED, IF POSSIBLE.
AT LEAST 2 CYCLES WILL ALWAYS BE RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/27/78

DATE(S) REVISED

PROCEDURE 'PURGALL'

PURPOSE

PURGE PERMANENT FILES OF SPECIFIED AC AND ID (PUBLIC FILES OR ON A USER DEVICE SET)

FUNCTIONAL CATEGORIES: Q4

COMPUTER

CDC 6000

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, PURGALL, , JOBORDER, ID, OUTPUT, PW1, PW2, PW3, PW4, PW5, SN.

DESCRIPTION OF PARAMETERS

JOBORDER - JOB ORDER NUMBER (MUST BE SPECIFIED)
ID - ID OF FILES TO BE PURGED (MUST BE SPECIFIED)
OUTPUT - LISTABLE OUTPUT
PW1-PW5 - UP TO 5 PASSWORDS FOR ALL FILES TO BE PURGED (ONLY TK, RD AND CN PASSWORDS ARE REQUIRED)
SN - SETNAME. ONE OF:
OMITTED - PUBLIC PERMANENT FILES
OTHER - SETNAME OF A USER DEVICE SET

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 35000B

REMARKS

- 1) PROCEDURE WILL AUDIT SPECIFIED ID AND JOBORDER. ALL THESE FILES WILL BE PURGED.
- 2) INVALID TK, RD, CN PASSWORDS WILL ABORT THE PROCEDURE.
- 3) CHARGE ID OR ACCESS NUMBER MUST CORRESPOND TO ID AND AC BEING PURGED.
- 4) THE USER MUST SUPPLY THE MOUNT CARD WHEN PURGING ON A USER DEVICE SET.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2
SHARON GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 03/15/79

DATE(S) REVISED

06/16/80 - ADD SN PARAMETER

PROCEDURE 'PURGEN'

PURPOSE

GENERATE PROCEDURE 'PUR' TO PURGE SEVERAL FILES WITH COMMON KERNEL

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,PURGEN,,KERNEL.ID,PW1,PW2,PW3,PW4,PW5,UV,SN.

DESCRIPTION OF PARAMETERS

KERNEL - FIRST N CHARACTERS OF PERM FILE NAME
(COULD BE EMPTY)
ID - ID OF FILES TO BE PURGED
PW1-PW5 - UP TO 5 PASSWORDS FOR ALL FILES TO BE PURGED
(ONLY TK AND CN PASSWORDS ARE REQUIRED)
UV - UNIVERSAL PURGE PASSWORD IF REQUIRED
SN - SETNAME (ONLY IF OTHER THAN SYSSET)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT

MAX FL: 35000B

REMARKS

1) GENERATES PROCEDURE PUR TO BE USED FOR PURGING SEVERAL FILES OF SAME ID AND PASSWORDS. ALLOWS COMMON KERNEL FOR START OF PERM FILE NAMES. WILL ATTEMPT TO EXECUTE 'PUR' ONCE TO PURGE THE KERNEL FILE NAME, LOWEST CYCLE.

2) USAGE TO PURGE ADDITIONAL FILES:
PUR.<PART>..

EXAMPLE

DESIRE TO PURGE A SET OF FILES INCLUDING: CARRIERDATA1, CARRIERDATA2, CARRIERPL, CARRIEROBJ, CARRIERSOR, BELONGING TO USER 'CZZZ' WITH PASSWORD 'FIR' OR 'SEC' OR NO PASSWORD.

- 1) BEGIN,PURGEN,,CARRIER,CZZZ,FIR,SEC.
WILL ATTEMPT TO PURGE THE KERNEL FILE NAMED CARRIER.
- 2) PUR.DATA1.
PUR.DATA2.
PUR.PL.
PUR.OBJ.
PUR.SOR. TO PURGE THE ACTUAL FILES

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 09/12/80

DATE(S) REVISED

02/10/81 - ADD UV, SN PARAMETERS

PROCEDURE 'RECADD1'

PURPOSE

ADD ONE OR MORE LOGICAL RECORDS TO A FILE

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, RECADD1, .AFTER, NREC, NEW, PFN, ID, AC, PW1, PW2, PW3, PW4, PW5.

DESCRIPTION OF PARAMETERS

AFTER - RECORD NUMBER AFTER WHICH THE NEW RECORD(S) ARE TO
BE ADDED
NREC - NUMBER OF NEW LOGICAL RECORDS TO BE ADDED
(DEFAULT: 1)
NEW - LFN OF FILE CONTAINING NEW RECORD(S)
PFN - PERMANENT FILE NAME
ID - ID UNDER WHICH FILE IS CATALOGED
AC - JOB ORDER NUMBER FOR NEW CATALOG
(MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

REPLACES PROCEDURE RECADD.

THE LOWEST CYCLE OF FILE IS PURGED. IF POSSIBLE. AT LEAST 2
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

DATE(S) REVISED

PROCEDURE 'RECDEL1'

PURPOSE

DELETE ONE OR MORE LOGICAL RECORDS FROM A FILE

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RECDEL1,,REC,NREC,PFN,ID,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

REC - RECORD NUMBER OF FIRST/ONLY LOGICAL RECORD TO BE
DELETED
NREC - NUMBER OF LOGICAL RECORDS TO BE DELETED
(DEFAULT: 1)
PFN - PERMANENT FILE NAME
ID - ID UNDER WHICH FILE IS CATALOGED
AC - JOB ORDER NUMBER FOR NEW CATALOG
(MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

REPLACES PROCEDURE RECDELE.

THE LOWEST CYCLE OF FILE IS PURGED, IF POSSIBLE. AT LEAST 2
CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

DATE(S) REVISED

PROCEDURE 'RECDOC'

PURPOSE

LIST DOCUMENTATION FOR PROCEDURES RECADD1, RECDL1, RECDL2,
RECGET1, RECREF1

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RECDOC,,OUTPUT,LEFT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE
NON-BLANK - PRINT CENTERED ON WIDE PAGE

DEFAULT BEGIN STATEMENT

BEGIN.RECDOC,,OUTPUT.

MAX. FL: 25000E

REMARKS

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD
'RECDOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE
LIST.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/10/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'RECGET1'

PURPOSE

EXTRACT ONE OR MORE LOGICAL RECORDS FROM A FILE

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RECGET1,.REC,NREC,PFN,ID,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

REC - RECORD NUMBER OF FIRST/ONLY LOGICAL RECORD TO BE
EXTRACTED
NREC - NUMBER OF LOGICAL RECORDS TO BE EXTRACTED
(DEFAULT: 1)
PFN - PERMANENT FILE NAME
ID - ID UNDER WHICH FILE IS CATALOGED
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 200008

REMARKS

REPLACES PROCEDURE RECGET.

THE EXTRACTED RECORD(S) WILL BE ON A FILE WITH LFN OF R
FOLLOWED BY THE VALUE OF REC (E.G., BEGIN,RECGET,.8,....
WILL CREATE FILE R8. THIS FILE MAY BE CATALOGED. IT IS NOT
REWOUND AT THE END OF THE PROCEDURE.

AUTHOR

DAVID V SOMMEF - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

DATE(S) REVISED

PROCEDURE 'RECREP1'

PURPOSE

REPLACE ONE OR MORE LOGICAL RECORDS IN A FILE

FUNCTIONAL CATEGORIES: K1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RECREP1,,REC,NREC,NEW.PFN.ID,AC,PW1,PW2,PW3,PW4,PW5.

DESCRIPTION OF PARAMETERS

REC - RECORD NUMBER OF FIRST/ONLY LOGICAL RECORD TO BE REPLACED
NREC - NUMBER OF LOGICAL RECORDS TO BE REPLACED (DEFAULT: 1)
NEW - LFN OF FILE CONTAINING NEW RECORD(S)
PFN - PERMANENT FILE NAME
ID - ID UNDER WHICH FILE IS CATALOGED
AC - JOB ORDER NUMBER FOR NEW CATALOG (MAY BE OMITTED)
PW1-PW5 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 200006

REMARKS

REPLACES PROCEDURE RECREPL.

THE LOWEST CYCLE OF FILE IS PURGED. IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/28/78

DATE(S) REVISED

PROCEDURE 'RENAMAC'

PURPOSE

RENAME AC FIELD ON PERMANENT FILES

FUNCTIONAL CATEGORIES: Q4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RENAMAC.,OLD,NEW.ID,OUTPUT.PW1,PW2,PW3,PW4,PW5.SN.

DESCRIPTION OF PARAMETERS

OLD - OLD AC (MUST BE SPECIFIED)
NEW - NEW AC (MUST BE SPECIFIED)
ID - ID OF FILES TO BE RENAMED (MUST BE SPECIFIED)
OUTPUT - LISTABLE OUTPUT
PW1-PW5 - UP TO 5 PASSWORDS FOR ALL FILES TO BE RENAMED
(ONLY TK, RD AND CN PASSWORDS ARE REQUIRED)
SN - SETNAME (DEFAULT: SYSSET)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 350008

REMARKS

- 1) PROCEDURE WILL AUDIT SPECIFIED ID AND OLD AC. ALL THESE FILES WILL BE RENAMED.
- 2) MOST PF ATTACH AND RENAME ERRORS WILL NOT BE FATAL. INVALID TK, RD PASSWORDS WILL ABORT THE PROCEDURE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 06/01/75

DATE(S) REVISED

04/18/77 - MODIFY FOR NOS/BE SHORT AUDIT
09/30/77 - ADD TYPE PARAMETER
03/01/78 - CONVERT TO CCL
10/01/78 - NEW AUDIT FORMAT: DEACTIVATE ID PARAMETER
11/02/78 - REACTIVATE ID PARAMETER
? - REMOVE TYPE PARAMETER
08/28/80 - TERMINATE PROCEDURE IF OLD AND NEW ARE THE SAME
02/24/81 - ADD SN PARAMETER

PROCEDURE 'RUNBAS'

PURPOSE

COMPILE AND EXECUTE BASIC PROGRAM (SIMILAR TO EDITOR RUN.BAS
FOR USE OUTSIDE OF EDITOR)

FUNCTIONAL CATEGORIES: L2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RUNBAS,.F.OUT.

DESCRIPTION OF PARAMETERS

F - INPUT SOURCE FILE (REWOUND BEFORE COMPILE)

OUT - LISTABLE OUTPUT (NOT REWOUND)

(IF OUT=0, NO LIST IS PROVIDED. ERROR MESSAGES PRINT
AT TERMINAL)

DEFAULT BEGIN STATEMENT

BEGIN,RUNBAS,*.OUT.

(* - NO DEFAULT)

MAX FL: 400008

REMARKS

INPUT AND OUTPUT ARE CONNECTED BEFORE THE BASIC COMPILER
IS CALLED.

ERROR MESSAGES

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/25/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'RUNFTN'

PURPOSE

COMPILE AND EXECUTE FTN PROGRAM. (SIMILAR TO EDITOR RUN,FTN
FOR USE OUTSIDE OF EDITOR)

FUNCTIONAL CATEGORIES: L2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.RUNFTN,,F,LGO.

DESCRIPTION OF PARAMETERS

F - FILE TO BE COMPILED
(MUST BE SPECIFIED - AVOID LFN 'INPUT')
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN COMPILER

REMARKS

AFTER COMPLETION, INPUT AND OUTPUT ARE CONNECTED.

ERROR MESSAGES

NO INPUT FILE.
USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/27/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'RUNMNF'

PURPOSE

COMPILE AND EXECUTE MNF PROGRAM UNDER INTERCOM

FUNCTIONAL CATEGORIES: L2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RUNMNF,,F.

DESCRIPTION OF PARAMETER

F - FILE TO BE COMPILED
(MUST BE SPECIFIED - AVOID LFN 'INPUT')

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 53000B MINIMUM (NO EFL NEEDED)

REMARKS

BEFORE USING RUNMNF, ATTACH OR CREATE A SOURCE INPUT FILE
'F' (NETED OR EDITOR MAY BE USED TO CREATE IT).

'F' IS REWOUND BY THE PROCEDURE BEFORE COMPILATION.

INPUT AND OUTPUT ARE AUTOMATICALLY CONNECTED WHEN EXECUTION
BEGINS. AFTER COMPLETION, INPUT AND OUTPUT REMAIN
CONNECTED.

TO RE-EXECUTE PROGRAM 'F', DO ANOTHER BEGIN,RUNMNF,.....

ERROR MESSAGES

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 07/29/77

DATE(S) REVISED

08/24/77

09/24/77

03/01/78 - CONVERT TO CCL

PROCEDURE 'RUNPAS'

PURPOSE

COMPILE AND EXECUTE PASCAL PROGRAM UNDER INTERCOM

FUNCTIONAL CATEGORIES: L2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RUNPAS,.F,OUT.

DESCRIPTION OF PARAMETERS

F - FILE TO BE COMPILED
(MUST BE SPECIFIED - AVOID LFN 'INPUT')
OUT - FILE TO CONTAIN COMPILATION LISTING
(RETAINED ONLY IF COMPILATION FAILS)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL:

REMARKS

BEFORE USING RUNPAS, ATTACH OR CREATE A SOURCE INPUT FILE
'F' (NETED OR EDITOR MAY BE USED TO CREATE IT).

'F' IS REWOUND BY THE PROCEDURE BEFORE COMPILATION.

TO RE-EXECUTE PROGRAM 'F', TYPE 'LGO'.

ERROR MESSAGES

FILE <OUT> HAS THE COMPILATION LISTING
COMPILATION FAILED. USE NETED OR EDITOR OR ROUTE TO A
PRINTER TO FIND THE ERRORS.

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

AUTHOR

DAVID V SOMMER - DTICSRDC CODE 1892.2

DATE WRITTEN: 1979

DATE(S) REVISED

PROCEDURE 'RUNSEQ'

PURPOSE

COMPILE AND EXECUTE FTN,SEQ PROGRAM (USES TS OPTION)

FUNCTIONAL CATEGORIES: L2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RUNSEQ,,F,LGO.

DESCRIPTION OF PARAMETERS

F - FILE TO BE COMPILED
(MUST BE SPECIFIED - AVOID LFN 'INPUT')
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN COMPILER

REMARKS

THIS PROCEDURE IS FOR FORTRAN SOURCE PROGRAMS IN SEQUENCED
MODE.

FOR TS OPTION FOR STANDARD FORMATTED FTN SOURCE CODE, USE
'RUNTS'.

AFTER COMPLETION, INPUT AND OUTPUT ARE CONNECTED.

ERROR MESSAGES

NO INPUT FILE.

USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/27/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'RUNTS'

PURPOSE

COMPILE AND EXECUTE FTN,TS PROGRAM

FUNCTIONAL CATEGORIES: L2

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,RUNTS,,F,LGO.

DESCRIPTION OF PARAMETERS

F - FILE TO BE COMPILED
(MUST BE SPECIFIED - AVOID LFN 'INPUT')
LGO - FILE TO CONTAIN RELOCATABLE OBJECT MODULE

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: THAT OF THE CURRENT FTN COMPILER

REMARKS

AFTER COMPLETION. INPUT AND OUTPUT ARE CONNECTED.

ERROR MESSAGES

NO INPUT FILE.
USER DID NOT SPECIFY AN INPUT FILE (PARAMETER 'F')

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/27/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'SEGLD'

PURPOSE

CREATE A SEGLOAD ABSOLUTE FILE

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,SEGLD,,SEGDIR,LGO,ABS.

DESCRIPTION OF PARAMETERS

SEGDIR - FILE CONTAINING SEGLOAD DIRECTIVES
(REWOUND BEFORE USE)
LGO - RELOCATABLE OBJECT FILE
ABS - ABSOLUTE OBJECT FILE
(MAY BE CATALOGED)

DEFAULT BEGIN STATEMENT

BEGIN,SEGLD,,SEGDIR,LGO,ABS.

MAX FL: DEPENDS UPON PROGRAM BEING LOADED

REMARKS

NONE

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 01/16/78

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'SELDUMP'

PURPOSE

CREATE BACKUP DUMP TAPE OF THE USER PERMANENT FILES OF AN ACCOUNT NUMBER

FUNCTIONAL CATEGORIES: Q4 K3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, SELDUMP, .AC, VSN1, VSN2, VSN3, VSN4, SN, D, PW.

DESCRIPTION OF PARAMETERS

AC - MUST CORRESPOND TO ACCESS NUMBER ON CHARGE CARD
VSN1 - TAPE DIEBOLD OR SLOT NUMBER
(6 CHARACTERS OR LESS)
VSN2 - EXTERNAL STICKER LABEL
(SLOT TAPES ONLY)
VSN3/4 - SAME AS VSN1/2 FOR SECOND TAPE
SN - SET NAME (DEFAULT: SYSSET)
D - TAPE DENSITY (DEFAULT: HY -7 TRK)
PW - READ PASSWORD (DEFAULT: PUBLIC PERM FILE SET
VALUE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 200008

REMARKS

OUTPUT IS MINI AUDIT LISTING PF NAME, CYCLE, ID FOR EACH FILE AND VSN OF TAPE ON WHICH IT WAS DUMPED.

ERROR MESSAGES

DIFFERENT DUMP TYPE OR MODE RUNNING

ONLY ONE DUMP PROGRAM MAY RUN AT A TIME AND ANOTHER JOB IS RUNNING ONE. WAIT AWHILE AND RE-SUBMIT THE JOB.

EXAMPLE

XXXXYYY,MT1..... OR XXXXYYY,NT1.....
CHARGE,XXXX.ZZZZZ99999,.... << ACCESS # FOR 1234567890
BEGIN,SELDUMP,.1234567890.CA9999.
" 6/7/8/9 EOI

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL
09/23/80 - ADD VSN3 AND VSN4
02/24/81 - ADD SN, D, PW - SEG

PROCEDURE 'SELLOAD'

PURPOSE

RESTORE SELECTED ROUTINES FROM A BACKUP DUMPF TAPE

FUNCTIONAL CATEGORIES: Q4 K4

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,SELLOAD,,VSN1,VSN2,V,VSN3,VSN4,SN,E,D,PW.

DESCRIPTION OF PARAMETERS

VSN1 - TAPE DIEBOLD OR SLOT NUMBER (FIRST OR ONLY TAPE)
(6 CHARACTERS OR LESS)
VSN2 - EXTERNAL STICKER LABEL (FIRST OR ONLY TAPE)
(SLOT TAPES ONLY)
V - REEL NUMBER IN MULTI-REEL FILE
(DEFAULT: 1)
VSN3 - TAPE DIEBOLD OR SLOT NUMBER (SECOND TAPE)
(6 CHARACTERS OR LESS)
VSN4 - EXTERNAL STICKER LABEL (SECOND TAPE)
(SLOT TAPES ONLY)
SN - SET NAME (DEFAULTS TO PUBLIC PERM FILE SET)
E - EDITION NUMBER OF TAPE
(DEFAULTS TO 00 - LEVEL 508)
D - TAPE DENSITY (DEFAULT: HY (7-TRACK, 800 BPI))
PW - EXTEND PASSWORD
(DEFAULTS TO PUBLIC PERM FILE SET VALUE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 20000B

REMARKS

NONE

DATA CARDS

ONE CARD PER FILE, CONTAINING ONE OF THE FOLLOWING:
PF=PFNAME,ID=XXXX,CY=NN. TO RESTORE CYCLE NN
PF=PFNAME,ID=XXXX. TO RESTORE ALL CYCLES
ID=XXXX. ALL FILES OF USER XXXX

EXAMPLE

XXXXYYY,MT1 ... OR XXXXYYY,NT1,....
CHARGE,XXXX,ZZZZZ99999.
BEGIN,SELLOAD,,CA9999.
' 7/8/9 EOR
PF=PFN1,ID=XXXX. ALL CYCLES
PF=PFN2,ID=XXXX,CY=4. ONLY CYCLE 4
" 6/7/8/9 E01

AUTHORS

SHARON E GOOD - DTNSRDC CODE 1892.1
DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: EARLY 1975 (SEG)

DATE(S) REVISED

03/01/78 - DVS - CONVERT TO CCL
02/02/79 - SEG - ADD V, VSN3, VSN4 PARAMETERS
09/24/80 - SEG - ADD SN, E PARAMS, MODIFY FOR LEVEL 508
02/24/81 - SEG - ADD D, PW PARAMETERS

PROCEDURE 'SEND'

PURPOSE

SEND MESSAGES TO AN INTERCOM USER WHO IS NOT LOGGED IN;
LIST MESSAGES

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,SEND,,FCN,<PARAMETERS>.

DESCRIPTION OF PARAMETERS

FCN - ONE OF THE FOLLOWING:
A OR ANY - CHECK FOR ANY MESSAGES
C OR CREATE - CREATE A MAILBOX
E OR EXPLAIN - TYPE EXPLANATION OF PROCEDURE
L OR LIST - LIST CONTENTS OF MAILBOX
S OR SEND - SEND TO ANOTHER MAILBOX.
(DEFAULT)

<PARAMETERS> - NOT USED BY FUNCTIONS ANY, CREATE OR EXPLAIN.
OPTIONAL FOR LIST AND SEND (SEE FUNCTION
DESCRIPTIONS BELOW)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 35000B

REMARKS

IN ORDER TO RECEIVE MESSAGES, THE USER MUST HAVE A
PERMANENT FILE NAMED 'SENDFIL', HAVING NO PASSWORDS.

FUNCTIONS

ANY

BEGIN.SEND,,ANY.

THIS FUNCTION CHECKS TO SEE IF THERE ARE ANY MESSAGES.

CREATE

BEGIN.SEND,,CREATE.

CREATE A PERMANENT FILE WITH PFN OF 'SENDFIL'.

THIS IS REQUIRED BEFORE A USER CAN RECEIVE MESSAGES.

LIST

BEGIN,SEND,,LIST,OUTPUT.

LIST ANY MESSAGES ON FILE 'OUTPUT' (PARAMETER MAY BE OMITTED. IF 'OUTPUT' IS NOT CONNECTED, THE USER IS INFORMED THAT THE FILE WAS WRITTEN.

IN LISTING, IF THE FIRST CHARACTER OF A LINE IS 1, SPACE, 0, - OR +, IT IS TREATED AS CARRIAGE CONTROL. ALL OTHER LINES ARE SHIFTED ONE PLACE TO THE RIGHT BEFORE LISTING.

AFTER LISTING, THE USER IS ASKED WHETHER THE MESSAGES SHOULD BE SCRATCHED. THE USER MUST RESPOND Y OR YES (FOR YES) OR ANYTHING ELSE (FOR NO).

SEND

BEGIN.SEND.,SEND.TO.INPUT.

BEGIN.SEND...TO.INPUT.

SEND MESSAGES TO USER 'TO' (4-CHARACTER USER ID OR U FOR USERSERVIC). IF OMITTED OR INVALID, THE USER IS PROMPTED FOR A 4-CHARACTER USER ID (MUST START WITH A, C, P, R, S) OR USERSERVIC (MAY BE ABBREVIATED U OR USER).

IF THE NEXT PARAMETER (INPUT) IS OMITTED (OR 'INPUT'), THE MESSAGES ARE READ FROM THE TERMINAL. IF THE PARAMETER IS GIVEN AND IS NOT 'INPUT', THE LOCAL FILE OF THAT NAME IS REWOUND AND COPIED THRU END-OF- INFORMATION. A MESSAGE IS TYPED STATING THAT THE FILE IS BEING READ

MESSAGES ARE UP TO 80 CHARACTERS LONG; THE FIRST OF WHICH MAY BE USED FOR CARRIAGE CONTROL.

MESSAGES

GENERAL

INVALID FUNCTION - MUST BE ONE OF

ANY - CREATE - EXPLAIN - LIST - SEND

FIRST PARAMETER OF EXECUTE STATEMENT WAS INVALID

FUNCTION ANY--

SOMEONE IS SENDING YOU A MESSAGE

CANNOT ACCESS YOUR SENDFIL UNTIL SENDER COMPLETES THE MESSAGE

UNEXPECTED RETURN CODE (NNNB) FROM ATTACH

PLEASE TRY AGAIN LATER

IF SAME ERROR OCCURS AGAIN, SEE CCRM. 3-7. AND/OR CALL USER SERVICES

YOU DO NOT HAVE A SENDFIL

TO CREATE ONE. USE BEGIN,SEND,,CREATE.

YOU HAVE NO MESSAGES

YOU HAVE SOME MESSAGES

TO LIST THEM. USE BEGIN.SEND..LIST.OUTPUT.

FUNCTION CREATE--

CT ID= XXXX PFN=SENDFIL
CT CY= NNN 00000000 PRUS \$0000.00 /DAY
CREATE WAS SUCCESSFUL

ERROR DURING CATALOG
PLEASE TRY AGAIN LATER
COULD NOT CATALOG

ERROR TRYING TO GET PF SPACE
PLEASE TRY AGAIN LATER
COULD NOT GET PERMANENT FILE SPACE

YOU ALREADY HAVE A SENDFIL
CANNOT CREATE A SECOND SENDFIL

FUNCTION LIST--

EX ID= XXXX PFN=SENDFIL
EX CY= NNN 00000000 PRUS \$0000.00 /DAY
SENDFIL CONTENTS WERE SUCCESSFULLY SCRATCHED

MESSAGES WRITTEN ON FILE <LFN>
OUTPUT FILE <LFN> IS NOT CONNECTED AND CONTAINS
LISTING OF MESSAGES.

SHALL I SCRATCH THE MESSAGES (Y OR N) --
ENTER Y OR YES TO CLEAR THE MESSAGES.
ENTER ANYTHING ELSE TO RETAIN THEM.

SORRY - SOMEONE IS SENDING YOU A MESSAGE
PLEASE TRY AGAIN LATER
CANNOT LIST MESSAGES WHILE SOMEONE IS SENDING YOU ONE

UNEXPECTED RETURN CODE (NNNB) FROM ATTACH
PLEASE TRY AGAIN LATER
ERROR WHILE ATTACHING YOUR SENDFIL. IF IT HAPPENS
AGAIN, SEE CCRM, 3-7. AND/OR CALL USER SERVICES.

FUNCTION SEND--

CALL AGAIN
RESPONSE TO USER ENTRY OF 'QUIT'

ENTER YOUR MESSAGES - END WITH END
BEGIN ENTERING UP-TO-80-CHARACTER MESSAGES. END WITH
SEPARATE LINE CONTAINING END AND NO OTHER NON-BLANK
CHARACTERS. THERE IS NO MORE PROMPTING UNTIL END IS
ENCOUNTERED.

FROM: YOUR-USER-ID
TO : TO-USER-ID
SENDFIL WAS SUCCESSFULLY ATTACHED

INVALID. MUST BE USERSERVIC OR 4 CHARACTERS STARTING
WITH A, C, P, R OR S.

PLEASE RE-ENTER IT (OR 'QUIT' TO STOP)-

ENTER ONE OF THE FOLLOWING:

4-CHARACTER USER-ID (START WITH A/C/P/R/S)

USERSERVIC (OR U OR USER)

QUIT

READING FROM FILE XXXXXXXX

MESSAGES ARE BEING READ FROM INDICATED FILE

SORRY - I COULDN'T SEND YOUR MESSAGES

PLEASE TRY AGAIN LATER

EXTEND OF SENDFIL FAILED

SORRY. XXXX IN NOT ACCESSIBLE

SPECIFIED USER'S SENDFIL IS BEING USED BY SOMEONE ELSE

SORRY. XXXX CANNOT RECEIVE MESSAGES

SPECIFIED USER DOES NOT HAVE A FILE CALLED SENDFIL

TO WHOM (4-CHARACTER USER- ID -OR- USERSERVIC:-

USER-ID ON EXECUTE CARD WAS OMITTED OR INVALID. ENTER
IT NOW.

... TRUNCATED

ONLY FIRST 80 CHARACTERS READ. LISTED CHARACTERS
IGNORED.

YOUR MESSAGE HAS BEEN SENT

THE SENDFIL WAS SUCCESSFULLY EXTENDED

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/20/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'SORT'

PURPOSE

SORT (SORTMRG) UP TO 5 'DISPLAY' FIELDS USING 'COBOL6'
COLLATING SEQUENCE ('FILE' CARDS REQUIRED)

FUNCTIONAL CATEGORIES: M1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN.SORT.,IN.OUT,OUTPUT,NF,S1,N1,AD1,S2,N2,AD2,S3,N3,AD3,
S4,N4,AD4,S5,N5,AD5.

DESCRIPTION OF PARAMETERS

IN - INPUT FILE TO BE SORTED
OUT - OUTPUT SORTED FILE
OUTPUT - LISTABLE OUTPUT (SORT DIRECTIVES)
NF - NUMBER OF FIELDS TO BE SORTED
S1 - STARTING POSITION OF FIRST SORT FIELD
N1 - NUMBER OF POSITIONS IN FIRST SORT FIELD
AD1 - A - ASCENDING SORT
D - DESCENDING SORT
S2,N2,AD2 - SAME FOR SECOND SORT FIELD
S5,N5,AD5 - SAME FOR FIFTH SORT FIELD

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 600006 (USUALLY)

REMARKS

THE USER MUST SUPPLY 'FILE' CARDS FOR THE INPUT AND OUTPUT
FILES (IN AND OUT) BEFORE USING THIS PROCEDURE. THEY MUST
EACH HAVE AT LEAST THE ST, RT AND MRL PARAMETERS.

FOR BT=C,RT=Z FILES, USE PROCEDURE 'SORTCZ'.

ERROR MESSAGES

TOO MANY FIELDS (MAX 5)
USER SPECIFIED AN NF GREATER THAN 5

EXAMPLE

SORT A CLRD-IMAGE FILE ON COLUMNS 1-5 (ASCENDING) AND
41-50 (DESCENDING):
FILE,INFILE,BT=C,RT=Z,MRL=90.
FILE,OUTFILE,BT=C,RT=Z,MRL=90.
BEGIN.SORT.,INFILE,OUTFILE.,2,1,5,A,41,10,D.

AUTHOR

DAVID V SOMMER - DTNRDC CODE 1892.2

DATE WRITTEN: 11/03/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'SORTCZ'

PURPOSE

SORT (SORTMRG) UP TO 5 'DISPLAY' FIELDS USING 'COBOL6'
COLLATING SEQUENCE ('FILE' CARDS NOT REQUIRED)

FUNCTIONAL CATEGORIES: M1

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,SORTCZ,,IN,OUT,OUTPUT,MRL,NF,S1,N1,AD1,S2,N2,AD2,
S3,N3,AD3,S4,N4,AD4,S5,N5,AD5.

DESCRIPTION OF PARAMETERS

IN - INPUT FILE TO BE SORTED
OUT - OUTPUT SORTED FILE
OUTPUT - LISTABLE OUTPUT (SORT DIRECTIVES)
MRL - MAXIMUM RECORD LENGTH (ROUNDED UP TO MULTIPLE OF
10)
NF - NUMBER OF FIELDS TO BE SORTED
S1 - STARTING POSITION OF FIRST SORT FIELD
N1 - NUMBER OF POSITIONS IN FIRST SORT FIELD
AD1 - A - ASCENDING SORT
D - DESCENDING SORT
S2,N2,AD2 - SAME FOR SECOND SORT FIELD
S5,N5,AD5 - SAME FOR FIFTH SORT FIELD

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 60000B (USUALLY)

REMARKS

THIS PROCEDURE PROVIDES 'FILE' CARDS FOR BOTH 'IN' AND
'OUT'. EACH DEFINES BT=C,RT=Z. MRL IS USER-SPECIFIED
(DEFAULT: MRL=90)

TO SUPPLY 'FILE' CARDS, USE PROCEDURE 'SORT'.

ERROR MESSAGES

TOO MANY FIELDS (MAX 5)
USER SPECIFIED AN NF GREATER THAN 5

EXAMPLE

SORT A CARD-IMAGE FILE ON COLUMNS 1-5 (ASCENDING) AND
41-50 (DESCENDING):
BEGIN,SORTCZ,,INFILE,OUTFILE,,90,2,1,5,A,41,10,D.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 02/07/80

DATE(S) REVISED

PROCEDURE 'S2K260'

PURPOSE

ATTACH FILES FOR S2000 (VERSION 2.60) NATURAL LANGUAGE,
FORTRAN, OR COBOL PROCEDURAL LANGUAGE INTERFACE.

FUNCTIONAL CATEGORIES: Q3 L0

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE.

USAGE

BEGIN,S2K260,,LANG.

DESCRIPTION OF PARAMETER

LANG - COB FOR COBOL LANGUAGE INTERFACE ROUTINE
- FOR FOR FORTRAN LANGUAGE INTERFACE ROUTINE
- OMITTED NATURAL LANGUAGE

DEFAULT BEGIN STATEMENT

BEGIN,S2K260. USE NATURAL LANGUAGE ONLY

MAX. FL: 15000B

REMARKS

THIS PROCEDURE ATTACHES THE FILES FOR SYSTEM 2000
VERSION 2.60. DO NOT USE BEFORE READING THE NEWSLETTER
FROM MRI REGARDING THE FEATURES AND DIFFERENCES IN THIS
VERSION OF SYSTEM 2000 (APRIL 1977).

EXAMPLES

FOR NATURAL LANGUAGE: BEGIN,S2K260.
S2K260,.... EXECUTE S2K

FOR COBOL INTERFACE: BEGIN,S2K260,,COB.
PLICOB,.... PRECOMPILER
COPYR,PLILGO,LGO.2.
COBOL,I=TAPE3,.... REQUIRED
FTN,I=TAPE3.
COPYF,PLILGO,LGO.
LGO. EXECUTE

FOR FORTRAN INTERFACE: BEGIN,S2K260,,FOR.
PLIFOR,.... PRECOMPILER
COPYR,PLIGD,LGO.2.
FTN,I=TAPE3,....
COPYF,PLILGO,LGO.
LGO. EXECUTE

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1
BRUCE D BLACK - DTNSRDC CODE 1892.1 (CDC)

DATE WRITTEN: 06/20/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL
07/10/80 - CHANGE SETNAME TO USRVLB2
08/05/80 - CHANGE 'PLILGO260' TO 'S2K260LGO'

PROCEDURE 'TIDBITS'

PURPOSE

LIST FILE OF TIDBITS (HINTS ON IMPROVED COMPUTER USAGE)

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,TIDBITS,,OUTPUT,LEFT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED OR 'LEFT' - PRINT ON LEFT SIDE OF PAGE
ANYTHING ELSE - PRNT CENTERED ON WIDE PAPER

DEFAULT BEGIN STATEMENT

BEGIN,TIDBITS,,OUTPUT,LEFT.

MAX FL: 32000B

REMARKS

NONE

MESSAGES

<OUTPUT> HAS TIDBITS

INDICATES SUCCESSFUL COMPLETION (LEFT-JUSTIFIED PRINTOUT)

<OUTPUT> HAS TIDBITS (CENTERED)

INDICATES SUCCESSFUL COMPLETION (CENTERED PRINTOUT)

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 08/01/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'TRANPAK'

PURPOSE

COPY CONTENTS FROM ONE DEVICE SET TO ANOTHER FOR BACKUP

FUNCTIONAL CATEGORIES: K3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,TRANPAK,,VSNF,FS,RDF,CNF,MDF,VSNT,TS,TKF,TKT.

DESCRIPTION OF PARAMETERS

VSNF - VSN OF PACK COPIED FROM
FS - SETNAME COPIED FROM
RDF - USER READ PASSWORD INITIALIZED ON DUM FILE
CNF - USER CONTROL PASSWORD INITIALIZED ON DUM FILE
MDF - USER MODIFY PASSWORD INITIALIZED ON DUM FILE
VSNT - VSN OF PACK TO COPY TO
TS - SETNAME TO COPY TO
TKF - DEVICE SET PASSWORD COPIED FROM
TKT - DEVICE SET PASSWORD COPIED TO

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

IF NO TURNKEYS, MAY OMIT THE LAST 2 PARAMETERS.

MAX FL:

REMARKS

PERFORMS BOTH PACK MOUNTS IN PROCEDURE.
OUTPUT IS A LIST OF FILES MOVED WITH ID AND CYCLE OF EACH

EXAMPLE

BEGIN,TRANPAK,,DVS299,SG1PK.RDPW.CNPW,MDPW,DVS476.SG2PK.

AUTHOR

SHARON E GOOD - DTNSRDC CODE 1892.1

DATE WRITTEN: 07/02/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL
01/18/79 - ADD DEVICE SET PASSWORDS

PROCEDURE 'UPDADD'

PURPOSE

ADD ONE DECK TO AN UPDATE LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDADD,,LIB,ID,PROG,AFTER,LFN,AC,PW1,PW2,C,S.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS LIB_PL)
ID - ID UNDER WHICH IT IS CATALOGED
PROG - DECK NAME OF ROUTINE TO BE ADDED
(*DECK PROG IS GENERATED AUTOMATICALLY)
AFTER - DECK NAME IT IS TO FOLLOW
(IF OMITTED, NEW DECK GOES AT END OF LIBRARY)
LFN - LFN OF FILE CONTAINING DECK TO BE ADDED
(NO *DECK CARD)
AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
PW1,PW2 - PASSWORDS
C - COMPILE FILE (0 FOR NONE)
S - SOURCE FILE (0 FOR NONE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42060B

REMARKS

THE LOWEST CYCLE OF LIB_PL IS PURGED, IF POSSIBLE. AT LEAST 2 CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/10/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDDELE'

PURPOSE

DELETE ONE DECK FROM AN UPDATE LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDDELE,,LIB,ID,PROG,AC,PW1,PW2,S.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS LIB PL)
ID - ID UNDER WHICH IT IS CATALOGED
PROG - DECK NAME OF ROUTINE TO BE DELETED
(*DECK PROG' IS GENERATED AUTOMATICALLY)
AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
PW1,PW2 - PASSWORDS
S - SOURCE FILE (0 FOR NONE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/10/76

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDDOC'

PURPOSE

LIST DOCUMENTATION FOR PROCEDURES UPDADD, UPDELE, UPDDOC,
UPDGET, UPDLIST, UPDREPL

FUNCTIONAL CATEGORIES: 01

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDDOC.,OUTPUT,LEFT.

DESCRIPTION OF PARAMETERS

OUTPUT - LISTABLE OUTPUT

LEFT - OMITTED - PRINT LEFT-JUSTIFIED ON PAGE
NON-BLANK - PRINT CENTERED ON WIDE PAGE

DEFAULT BEGIN STATEMENT

BEGIN,UPDDOC.,OUTPUT.

MAX FL: 25000B

REMARKS

A BANNER PAGE PRECEDES THE LIST AND CONTAINS THE WORD
'UPDDOC'. A BANNER PAGE WITH THE WORD 'END' FOLLOWS THE
LIST.

AUTHOR

DAVID V SOMMER - DINSRDC CODE 1892.2

DATE WRITTEN: 02/10/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDGET'

PURPOSE

EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,C) AND,
OPTIONALLY, ADD EDITOR SEQUENCING

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDGET,,LIB,ID,DECK,COMPILE,C72,E,START,INCR,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB - 1-7 CHARACTERS: FIRST PART OF PFN
(FULL PFN IS LIB_PL)
ID - ID UNDER WHICH IT IS CATALOGED
DECK - DECK NAME OF ROUTINE TO BE EXTRACTED
COMPILE - COMPILE FILE (UPDATE,C=COMPILE)
(WILL CONTAIN EXTRACTED DECK, UNLESS C72 USED)
C72 - IF SPECIFIED, WILL CONTAIN 72-COLUMN COPY OF THE
COMPILE FILE. THE COMPILE FILE IS NOT AVAILABLE
TO THE USER.
E - OMITTED - DO NOT ADD EDITOR SEQUENCING
ANY WORD STARTING WITH 'E' - ADD EDITOR SEQUENCING
(THIS PARAMETER IS EFFECTIVE ONLY IF PARAMETER
'C72' IS SPECIFIED)
START - FIRST EDITOR SEQUENCE NUMBER (IF EDITOR SEQUENCING
REQUESTED) (DEFAULT: 20)
INCR - INCREMENT FOR EDITOR SEQUENCING (DEFAULT: 10)
NOTE: DEFAULT START AND INCR WILL GIVE 10 TIMES
THE COMPILE FILE CARD NUMBERS IF THE DECK HAS
NO MODIFYING IDENTs.
PW1,PW2 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/10/76

DATE(S) REVISED

07/13/76 - ADD EDITOR SEQUENCING OPTION

02/04/77 - ADD PASSWORDS

03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDGETS'

PURPOSE

EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,S) AND,
OPTIONALLY, ADD EDITOR SEQUENCING

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDGETS,,LIB,ID,DECK,SOURCE,C72,E,START,INCR,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB - 1-7 CHARACTERS: FIRST PART OF PFN
(FULL PFN IS LIB_PL)
ID - ID UNDER WHICH IT IS CATALOGED
DECK - DECK NAME OF ROUTINE TO BE EXTRACTED
SOURCE - SOURCE FILE (UPDATE,S=SOURCE)
(COMDECKS, IF ANY, INCLUDED)
(WILL CONTAIN EXTRACTED DECK, UNLESS C72 USED)
C72 - IF SPECIFIED. WILL CONTAIN 72-COLUMN COPY OF THE
COMPILE FILE. THE COMPILE FILE IS NOT AVAILABLE
TO THE USER.)
E - OMITTED - DO NOT ADD EDITOR SEQUENCING
ANY WORD STARTING WITH 'E' - ADD EDITOR SEQUENCING
(THIS PARAMETER IS EFFECTIVE ONLY IF PARAMETER
'C72' IS SPECIFIED)
START - FIRST EDITOR SEQUENCE NUMBER (IF EDITOR SEQUENCING
REQUESTED) (DEFAULT: 20)
INCR - INCREMENT FOR EDITOR SEQUENCING (DEFAULT: 10)
NOTE: DEFAULT START AND INCR WILL GIVE 10 TIMES
THE COMPILE FILE CARD NUMBERS IF THE DECK HAS
NO MODIFYING IDENTIS.
PW1,PW2 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/13/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDGETT'

PURPOSE

EXTRACT ONE DECK FROM AN UPDATE LIBRARY (UPDATE,T) AND,
OPTIONALLY, ADD EDITOR SEQUENCING

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDGETT,.LIB,ID,DECK,SOURCE,C72,E,START,INCR,PW1,PW2.

DESCRIPTION OF PARAMETERS

LIB - 1-7 CHARACTERS: FIRST PART OF PFN
(FULL PFN IS LIB PL)
ID - ID UNDER WHICH IT IS CATALOGED
DECK - DECK NAME OF ROUTINE TO BE EXTRACTED
SOURCE - SOURCE FILE (UPDATE,T=SOURCE)
(NO COMDECKS INCLUDED)
(WILL CONTAIN EXTRACTED DECK, UNLESS C72 USED)
C72 - IF SPECIFIED. WILL CONTAIN 72-COLUMN COPY OF THE
COMPILE FILE. THE COMPILE FILE IS NOT AVAILABLE
TO THE USER.)
E - OMITTED - DO NOT ADD EDITOR SEQUENCING
ANY WORD STARTING WITH 'E' - ADD EDITOR SEQUENCING
(THIS PARAMETER IS EFFECTIVE ONLY IF PARAMETER
'C72' IS SPECIFIED)
START - FIRST EDITOR SEQUENCE NUMBER (IF EDITOR SEQUENCING
REQUESTED) (DEFAULT: 20)
INCR - INCREMENT FOR EDITOR SEQUENCING (DEFAULT: 10)
NOTE: DEFAULT START AND INCR WILL GIVE 10 TIMES
THE COMPILE FILE CARD NUMBERS IF THE DECK HAS
NO MODIFYING IDENTIS.
PW1,PW2 - PASSWORDS

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 05/13/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDLIST'

PURPOSE

LIST DECK/COMDECK NAMES IN UPDATE LIBRARY WITH COUNT OF
RECORDS IN EACH DECK/COMDECK

FUNCTIONAL CATEGORIES: 01 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDLIST,,LIB.ID,OUTPUT.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART PF PFN
(FULL PFN IS LIB.PL)
ID - ID UNDER WHICH IT IS CATALOGED
OUTPUT - LISTABLE OUTPUT

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 42000B

REMARKS

UPDATE IS RUN TO GET A SOURCE FILE. THEN PROGRAM 'DECK' ON
UTILITY IS RUN AGAINST THE SOURCE FILE. THEREFORE, ANY
IDENTS WILL NOT BE LISTED, AS THEY HAVE ALREADY BEEN
PROCESSED BY UPDATE.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 04/12/76

DATE(S) REVISED

04/23/76
05/04/76
05/25/76
03/01/78 - CONVERT TO CCL

PROCEDURE 'UPDREPL'

PURPOSE

REPLACE ONE DECK IN AN UPDATE LIBRARY

FUNCTIONAL CATEGORIES: K3 Q7

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UPDREPL,,LIB,ID,PROG,AFTER,LFN,AC,PW1,PW2,C,S.

DESCRIPTION OF PARAMETERS

LIB - FIRST PART OF PFN
(FULL PFN IS LIB_PL)
ID - ID UNDER WHICH IT IS CATALOGED
PROG - DECK NAME OF ROUTINE TO BE REPLACED
(*DECK PROG' IS GENERATED AUTOMATICALLY)
AFTER - DECK NAME IT IS TO FOLLOW
(IF OMITTED, NEW DECK GOES AT END OF LIBRARY)
LFN - LFN OF FILE CONTAINING DECK TO BE REPLACED
(NO *DECK CARD)
AC - JOB ORDER NUMBER FOR CATALOG
(MAY BE OMITTED)
PW1,PW2 - PASSWORDS
C - COMPILE FILE (0 FOR NONE)
S - SOURCE FILE (0 FOR NONE)

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: 420006

REMARKS

THE LOWEST CYCLE OF LIB_PL IS PURGED, IF POSSIBLE. AT LEAST
2 CYCLES ARE ALWAYS RETAINED.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: 03/11/76

DATE(S) REVISED

05/25/76 - DOUBLE UPDATE REPLACED BY SINGLE UPDATE
03/01/78 - CONVERT TO CCL

PROCEDURE 'UTILITY'

PURPOSE

EXECUTE A PROGRAM ON EDITLIB USER LIBRARY 'UTILITY'

FUNCTIONAL CATEGORIES: L0 Q3

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,UTILITY,,PROG,PARAMS.

DESCRIPTION OF PARAMETERS

PROG - PROGRAM TO BE EXECUTED

PARAMS - UP TO 19 PARAMETERS FOR 'PROG'

DEFAULT BEGIN STATEMENT

NO MEANINGFUL DEFAULT VALUES

MAX FL: DEPENDS ON PROGRAM BEING EXECUTED

REMARKS

NONE

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: EARLY 1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'VENUS'

PURPOSE

ATTACH AND EXECUTE ONE OF THE VENUS RETRIEVAL PROGRAMS

FUNCTIONAL CATEGORIES: SO

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN, VENUS, .WHICH, INPUT, OUTPUT, SUBSET.

DESCRIPTION OF PARAMETERS

WHICH - VENUS PROGRAM DESIRED
OMITTED - VENUS (SINGLE FILE VERSION)
MF - VENUS (MULTIPLE FILE VERSION)
PL - VENPL (PLOTING LANGUAGE PROCESSOR)
RP - VENRP (REPORT GENERATOR)
INPUT - COMMAND INPUT FILE
(IF TERMINAL, USER MUST 'CONNECT, INPUT')
OUTPUT - LISTABLE OUTPUT
(IF TERMINAL, USER MUST 'CONNECT, OUTPUT')
SUBSET - OUTPUT FILE FOR THE SUBSET COMMAND

DEFAULT BEGIN STATEMENT

BEGIN, VENUS, ., INPUT, OUTPUT, SUBSET.

MAX FL: 61000B (MF MAY NEED MORE)

REMARKS

FOR VENUS PROBLEMS, CONTACT:
RAY SIMANOWITH
DTNSRDC CODE 2731
(301) 267-3240 (ANNAPOLIS)

ERROR MESSAGES

FIRST PARAMETER (<WHICH>) INVALID
MUST BE ONE OF MF, PL, RP OR OMITTED
SELF-EXPLANATORY

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN. 09/20/77

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

PROCEDURE 'WHATLIB'

PURPOSE

LIST LIBRARIES SPECIFIED IN LAST 'LIBRARY' COMMAND

FUNCTIONAL CATEGORIES: Q0

LOCATION OF PROCEDURE

SYSTEM PUBLIC ACCESS PROCEDURE FILE

USAGE

BEGIN,WHATLIB,,OUTPUT.

DESCRIPTION OF PARAMETER

OUTPUT - LISTABLE OUTPUT

(TO PRINT AT INTERACTIVE TERMINAL, MUST BE
CONNECTED.)

DEFAULT BEGIN STATEMENT

BEGIN,WHATLIB.,OUTPUT.

MAX FL: 22000B

REMARKS

OF LIMITED USE IN BATCH.

AUTHOR

DAVID V SOMMER - DTNSRDC CODE 1892.2

DATE WRITTEN: MID-1975

DATE(S) REVISED

03/01/78 - CONVERT TO CCL

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