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SHARE PROGRAM LIBRARY SUBMITTAL FORM



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SPLA CONTROL NUMBER: _____

This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the SHARE Program Library Agency User's Guide and Catalog of Programs, or may be obtained from SPLA

- (1) Program Number (if new program, will be filled in by SPLA) 370D-15.6.005
- (2) Title of Program EXPERT85
- (3) System Type(s) (Machine) OS/MVS (3083 JX)
- (4) Search Keys _____
- (5) Programming Systems/Languages PASCAL/VS, ASSEMBLER, CLIST
- (6) Primary Subject Code 15.6
- (7) Minimum System Requirements PASCAL/VS Compiler
- (8) New (N) or Revision (R) N
- (9) Date of Submittal June 1986
- (10) Documentation (number of pages of hardcopy submitted) 23
- (11) Author's Name and Address Tom Wannemacher
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Bld. 89
WPAFB, Ohio 45433
- (12) Name and Address of Contact for Technical
Inquiries (if different from author) _____

- (13) Submitter's Installation Membership Code ILC
- (14) Abstract (use reverse side of this form)

DISCLAIMER

Users should note that Triangle Universities Computation Center serves solely as the distribution agent for contributed programs and does not test or maintain them. They are distributed essentially in the original form submitted by the author. Neither TUCS nor SHARE Inc. makes any warranty, expressed or implied, as to the documentation, function, or performance of the contributed programs.

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The abstract should contain sufficient information for a reader to determine the value of the program. Subjects listed below may serve as a guide for information to include:

- Purpose of Program
- Programming Language Used
- Version and modification level or release number
- Field of application
- Type of routine (main program, subroutine, etc.)
- Specific description of machine requirements

ABSTRACT
EXPERT85 is a prototype Expert System Shell. It contains a default
Inference Engine modelled after PROLOG, software for Knowledge Base
management, and a Knowledge Base library with an example knowledge
base. It is written in PASCAL/VS. Its functionality can be expanded
by adding new special purpose subroutines. EXPERT85 should run on any
computer with MVS and a PASCAL/VS compiler.
An additional module, XREF85, is provided for mapping and
debugging knowledge bases.
Three libraries are included:
1. EXPERT85.SOURCE
Source for programs
Clist
User's Manual
JCL for compiles, linkedits and XREF85 map runs.
2. EXPERT85.LOAD
Object modules for EXPERT85
EXPERT85 segments
XREF85.
3. KBASE
A knowledge base PDS, currently contains one
example knowledge base.
(Please attach additional abstract pages if necessary. Total pages attached _____)

An "Acknowledgement of Assistance" statement must be attached to this Submittal Form

Conveyance of Rights:

"I hereby convey to SPLA all rights to these submitted materials, including, but not limited to, the unqualified right to reprint, reproduce, and publicly distribute this program, except that I expressly retain the rights to utilize, reprint, reproduce, and distribute the materials for my own purposes."

(15) Signature of Submitter and Date

Thomas L. Wagnemacher

June 10, 1986

(16) Signature of Installation Addressee (if SHARE member)

John S. Maclean

TAPE KEY

This volume has standard labels, VOL=SER=EXPERT and contains 3 files as follows:

- File 1: Source Library
RECFM=FB,LRECL=80,BLKSIZE=11440
3670 card images
38 blocks
- File 2: Load Library
RECFM=U,BLKSIZE=13030
42 blocks
- File 3: Knowledge Base Library
RECFM=FB,LRECL=161,BLKSIZE=11431
17 card images
4 blocks

JCL USED TO CREATE THE TAPE

```

1  //PMUAYCOPY JOB ,WANNEMACHER,MSGCLASS=Y,CLASS=A
   ***ROUTE PRINT RMT1
   ***
   ****
   *** COPY THE SOURCE LIBRARY FOR THE *
   *** EXPERT85 INTERPRETOR.          *
   ****
   ***

2  //STEP1      EXEC PGM=IEBCOPY
3  //SYSPRINT DD  SYSOUT=*
4  //OLD        DD  DSNAME=PMUAY.A1.LIB,DISP=SHR
5  //NEW        DD  DSNAME=EXPERT85.SOURCE,UNIT=TAPE,DISP=(NEW,PASS),
   //          LABEL=(1,SL),VOL=SER=EXPERT
6  //SYSOUT3 DD  UNIT=ILCWRK,SPACE=(CYL,(20,10))
7  //SYSOUT4 DD  UNIT=ILCWRK,SPACE=(CYL,(20,10))
8  //SYSIN      DD  *
   ***
   ****
   *** COPY THE LOAD LIBRARY FOR THE *
   *** EXPERT85 INTERPRETOR.          *
   ****
   ***

9  //STEP2      EXEC PGM=IEBCOPY
10 //SYSPRINT DD  SYSOUT=*
11 //OLD        DD  DSNAME=PMUAY.A1.LOAD,DISP=SHR
12 //NEW        DD  DSNAME=EXPERT85.LOAD,UNIT=TAPE,DISP=(OLD,PASS),
   //          LABEL=(2,SL),VOL=SER=EXPERT
13 //SYSOUT3 DD  UNIT=ILCWRK,SPACE=(CYL,(20,10))
14 //SYSOUT4 DD  UNIT=ILCWRK,SPACE=(CYL,(20,10))
15 //SYSIN      DD  *
   ***
   ****
   *** COPY THE KNOWLEDGE BASE LIBRARY *
   *** FOR THE EXPERT85 SYSTEM.        *
   ****
   ***

16 //STEP3      EXEC PGM=IEBCOPY
17 //SYSPRINT DD  SYSOUT=*
18 //OLD        DD  DSNAME=PMUAY.EXPERT85.KB,DISP=SHR
19 //NEW        DD  DSNAME=KBASH,UNIT=TAPE,DISP=(OLD,PASS),
   //          LABEL=(3,SL),VOL=SER=EXPERT
20 //SYSOUT3 DD  UNIT=ILCWRK,SPACE=(CYL,(20,10))
21 //SYSOUT4 DD  UNIT=ILCWRK,SPACE=(CYL,(20,10))
22 //SYSIN      DD  *
   //

```