

## SHARE PL/I Project Contributed Program Library

Tape Documentation

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* Since the SHARE PL/I Tape has been taken over by the CBT *
* Overflow Tape, all contributor information is hereby *
* superseded. Contributions should be sent to: *
* *
* Sam Golob sbgolob@ibm.net and/or sbgolob@aol.com *
* *
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* *
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\* This is the Contributed Program Library of the PL/I Project of SHARE, Inc. It represents contributions by PL/I users to the general community. There are many types of contributions possible, from documentation of techniques to whole systems of programs. As new contributions are made to this library, new versions will be placed in the SHARE Program Library, from where it can be ordered. In order to make the contributed programs available to as many different systems as possible, all of the data on this tape is in a simple sequential format, not an "unloaded" format. For the same reason, the tape is unlabeled, and the documented file numbers refer to actual physical files (i.e. tape marks). The programs to unload an OS PDS to this format, as well as recreate one from this format are present on the tape. However, due to the simple format, it should be straightforward for anyone with a system having a tape drive to use the data and programs on this tape.

There are no load modules on the tape due to inconsistencies between different systems. All of the data is in some printable form, although some of it is upper and lower case. Upper and lower case files will be designated.

The first 10 files on this tape are reserved for the use of the librarian. The remaining files are used to contain the contributions in the different formats possible. The most common contribution format is an OS PDS, which will be converted to a sequential file with a line of text containing

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./ ADD NAME=membernm
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before each member. The other possible format is a simple sequential file containing either documentation of some sort, or a program or program segment.

The major contributions on this tape will all have as part of the distribution a documentation file of some sort. There might be a sequential documentation file, such as this one, or a PDS of documentation files to be printed, or a PDS of documentation to be formatted using a text formatting processor.

The relative positions of the various contributions on this tape will remain constant through various updates of both this tape and the individual contributions. The only exception to this rule will occur when an update to a particular contribution takes more files than the original contribution. To this end, if a contribution is either shortened or withdrawn its place on the tape will be taken by an empty file, as will the files of contribution moved because the number of its files increased.

The remainder of this file contains documentation for each of the files on this tape. For each file number, the contributor, the contribution date and a sum-

mary of the contents are given. The last line for each file gives the DCB attributes of the file (which are the same as those for the reconstituted PDS if applicable), the type (either PDS or SEQ) and the number of tracks required on a 3350 to hold the dataset in its original form.

Note that the BLKSIZE given is the BLKSIZE of the dataset on the tape. When a PDS is loaded from this file with the program found on file 4 or a sequential dataset is loaded with a system utility, any BLKSIZE compatible with the LRECL, RECFM, and target DASD device may be used.

1\* Contributor: Librarian (University of Georgia)

Effective date: 20 Apr 1980

Summary: The printable documentation file for the Library tape, which you are reading now.

Attributes:BLKSIZE=19069,LRECL=141,RECFM=VBA--SEQ--1 block

\* Files marked with this contain at least upper and lower case, and may contain any graphics.

2\* Contributor: Librarian (University of Georgia)

Effective date: 20 Apr 1980

Summary: The documentation for the Library tape in a form suitable for processing with a text processor such as SCRIPT.

Attributes:BLKSIZE=4560,LRECL=80,RECFM=FB--SEQ--8 blocks

3 Contributor: Librarian (University of Georgia)

Effective date: 2 May 1978

Summary: An example job stream for retrieving a PDS from the tape. It recovers the source from file 4.

Attributes:BLKSIZE=3200,LRECL=80,RECFM=FB--SEQ--1 block

4 Contributor: Librarian (University of Georgia)

Effective date: 2 May 1978

Summary: The source assembler programs for building and retrieving OS PDS's in the format of this tape.

Attributes:BLKSIZE=3200,LRECL=80,RECFM=FB--PDS--12 blocks 2-DIR

5 Contributor: Librarian (University of Georgia)

Effective date: 2 May 1978

Summary: A sample job stream to create a file in the format of this tape.

Attributes:BLKSIZE=3200,LRECL=80,RECFM=FB--SEQ--1 block

6\* Contributor: Librarian (University of Georgia)

Effective date: 20 Apr 1980

Summary: The printable documentation file describing the types of things which can be placed in the contributed library and the limitations on the size and format of contributions.

Attributes:BLKSIZE=19019,LRECL=141,RECFM=VBA--SEQ--1 block

7\* Contributor: Librarian (University of Georgia)

Effective date: 20 Apr 1980

Summary: The documentation concerning contributions suitable for processing with a text processor such as SCRIPT.

Attributes:BLKSIZE=4560,LRECL=80,RECFM=FB--SEQ--2 blocks

8 Reserved for Librarian

9 Reserved for Librarian

10 Reserved for Librarian

11 Contributor: Kimberly-Clarke(Tom Smith)

Effective date: 09 Aug 1988

Summary: An IEBCOPY unload of the ABE editor and related load modules. This is for MVS. It is non-standard to include load modules on this tape, but this makes life so much easier for MVS people.

Files for this contribution are 11,12,13,14,18,19,47,48, and 49.

Attributes:TAPE: BLKSIZE=19089,LRECL=19085,RECFM=VB

Attributes:BLKSIZE=19069,LRECL=0,RECFM=U--PDS--630 blocks 32 DIR

12 Contributor: Kimberly-Clarke(Tom Smith)

Effective date: 09 Aug 1988

Summary: A text library used by the AID command of the ABE editor found in file 11.

Files for this contribution are 11,12,13,14,18,19,47,48, and 49.

Attributes:BLKSIZE=19040,LRECL=80,RECFM=FB--PDS--42 blocks 13 DIR

13\* Contributor: Kimberly-Clarke(Tom Smith)

Effective date: 09 Aug 1988

Summary:

Documentation for the programs in file 11. This includes a 250 page manual for the ABE editor and installation instructions.

Files for this contribution are 11,12,13,14,18,19,47,48, and 49.

Note that in this documentation, tape file correspondence is as follows:

file 1 in the doc = file 11 on this tape

file 2 in the doc = file 12 on this tape

file 3 in the doc = file 13 on this tape

file 4 in the doc = file 14 on this tape

file 5 in the doc = file 18 on this tape

file 6 in the doc = file 19 on this tape

file 7 in the doc = file 47 on this tape

file 8 in the doc = file 48 on this tape

file 9 in the doc = file 49 on this tape

Attributes:BLKSIZE=32720,LRECL=80,RECFM=FB--PDS--100 blocks 4 DIR

- 14 Contributor: Kimberly-Clarke(Tom Smith)  
Effective date: 02 Aug 1983  
Summary: Complet source for the ABE editor found in file 11 and the related routines.  
Files for this contribution are 11,12,13,14,18,19,47,48,and 49.  
Attributes:BLKSIZE=32720,LRECL=80,RECFM=FB--PDS--525 blocks 112 DIR
- 15\* Contributor: Teledyne-Ryan(Ron Dickie)  
Effective date: 8 Mar 1982  
Summary: A set of programs, in PL/I, implementing a very large SCRIPT system, including multiple column, boxing, automatic indexing and much more.  
Attributes:BLKSIZE=4628,LRECL=104,RECFM=VB--PDS--142 blocks 9 DIR
- 16\* Contributor: Teledyne-Ryan(Ron Dickie)  
Effective date: 8 Mar 1982  
Summary: The documentation PDS for the SCRIPT system on file 15. Must be formatted using that SCRIPT system.  
Attributes:BLKSIZE=19069,LRECL=255,RECFM=VB--PDS--24 blocks 1 DIR
- 17\* Contributor: Teledyne-Ryan(Ron Dickie)  
Effective date: 8 Mar 1982  
Summary: The documentation for the SCRIPT system on file 15. Printable in its current format.  
Attributes:BLKSIZE=19069,LRECL=137,RECFM=VBA--SEQ--32 blocks
- 18\* Contributor: Kimberly-Clarke(Tom Smith)  
Effective date: 09 Aug 1988  
Summary: Documentation for the generalized subroutines and utilities found in file 11 (source in file 14).  
Files for this contribution are 11,12,13,14,18,19,47,48,and 49.  
Attributes:BLKSIZE=3556,LRECL=148,RECFM=VBA--PDS--348 blocks 11 DIR
- 19 Contributor: Kimberly-Clarke(Tom Smith)  
Effective date: 09 Aug 1988  
Summary: A IEBCOPY unload of the include library for link edits of the routines described in the documentation on file 18.  
Files for this contribution are 11,12,13,14,18,19,47,48,and 49.  
Attributes:TAPE: BLKSIZE=18452,LRECL=18448,RECFM=VS  
Attributes:BLKSIZE=18432,LRECL=0,RECFM=U--PDS--209 blocks 36 DIR
- 20 Contributor: Grumman Aerospace(David Doucette)  
Effective date: 24 Jan 1980  
Summary: The files necessary to implement PLEA, the PL/I Execution Analyzer in either SVS or MVS. Included are members for the data gathering(PLEATRAPP), data analysis(PLOTAB), and procedures for execution(PLEAPROC).  
Attributes:BLKSIZE=4560,LRECL=80,RECFM=FB--PDS--34 blocks 2 DIR

Effective date: 5 Jan 1979

Summary: Miscellaneous data files needed by QUANDARY, which is described in file 24.

Attributes:BLKSIZE=3120,LRECL=80,RECFM=FB--PDS--1 block 1 DIR

29\* Contributor: Auburn University(Don Hudson)

Effective date: 5 Jan 1979

Summary: The user and system documentation files for the QUANDARY system described in file 24.

Attributes:BLKSIZE=19069,LRECL=125,RECFM=VBA--PDS--56 blocks 2 DIR

30 Contributor: Auburn University(Don Hudson)

Effective date: 5 Jan 1979

Summary: The PL/I source modules for the QUANDARY system described in file 24.

Attributes:BLKSIZE=1680,LRECL=80,RECFM=FB--PDS--228 blocks 1 DIR

31 Contributor: Auburn University(Don Hudson)

Effective date: 5 Jan 1979

Summary: A 500 record sample file of the CIJE data from USDOE for testing QUANDARY.

Attributes:BLKSIZE=6000,LRECL=3600,RECFM=VB--SEQ--56 blocks

32\* Contributor: Auburn University(Don Hudson)

Effective date: 5 Jan 1979

Summary: A 500 record sample file of the RIE data from USDOE for testing QUANDARY.

Attributes:BLKSIZE=6000,LRECL=3600,RECFM=VB--SEQ--173 blocks

33\* Contributor: Teledyne-Ryan(Ron Dickie)

Effective date: 25 Aug 1980

Summary: A PDS containing two programs, each with sample compile and execute JCL. The first program, LOG1512, creates a CSECT cross reference from a library. The second program, LOG1764, creates graphic overlay maps from a library.

Attributes:BLKSIZE=3120,LRECL=80,RECFM=FB--PDS--39 blocks 1 DIR

34 Contributor: Teledyne-Exploration(L. David Jones)

Effective date: 23 Feb 1980

Summary: A PDS containing three subroutines for statistical operations, two for spline-under-tension curve fitting, and one to do least squares curve fitting. Documentation is included as comments in the beginning of each program. a library.

Attributes:BLKSIZE=3120,LRECL=80,RECFM=FB--PDS--16 blocks 1 DIR

35 Contributor: British Airways(Mike Robinson)

Effective date: 20 Apr 1981

Summary: A PDS containing several subroutines, in both PL/I and ASM to interface with various system functions. Of special interest is a program to check PLI/F source programs for possible incompatibilities with PLI/X programs and create updates where possible. A program to create a csect cross reference from a load library is also included. The modules are documented at the beginning of each member.  
Attributes:BLKSIZE=19040,LRECL=80,RECFM=FB--PDS--10 blocks 1 DIR

- 36 Contributor: British Airways (Mike Robinson)  
Effective date: 20 Apr 1981  
Summary: A PDS containing several subroutines, in both PL/I and ASM. There are routines to assist in debugging IMS, to ease date handling and conversion, to interface with several operating system functions,  
Attributes:BLKSIZE=19040,LRECL=80,RECFM=FB--PDS--17 blocks 2 DIR
- 37 Contributor: British Airways (Mike Robinson)  
Effective date: 20 Apr 1981  
Summary: Printable documentation for the subroutines in files 35 and 36.  
Attributes:BLKSIZE=19040,LRECL=80,RECFM=FBA--SEQ--5 blocks
- 38 Contributor: Cornell University (Tom Dimock)  
Effective date: 20 Apr 1981  
Summary: A PL/I Usage Monitor for VM. This corresponds to the PLEA program for MVS/MVT in files 20-22. The file is in VM format, and should be directly usable by VM shops.  
Attributes:BLKSIZE=805,LRECL=805,RECFM=U--SEQ--233 blocks
- 39 Contributor: GTE Automatic Electric Labs (Bob Styma)  
Effective date: 15 Jun 1981  
Summary: An interface to allow a PL/I program to control a 3270 type terminal from a TSO environment. Also includes the SCRIPT source for the documentation in file 40.  
Attributes:BLKSIZE=19040,LRECL=80,RECFM=FB--PDS--21 blocks 1 DIR
- 40 Contributor: GTE Network Systems (Bob Styma)  
Effective date: 15 Jun 1981  
Summary: Printable documentation for the subroutines in file 39.  
Attributes:BLKSIZE=19069,LRECL=141,RECFM=VBA--SEQ--4 blocks
- 41 Contributor: B. F. Goodrich (G. Kunz)  
Effective date: 15 Jun 1981  
Summary: A PL/I and BAL database utility to allow PL/I users to issue requests to a IMS database using data directed I/O. The file includes in stream documentation and JCL to compile and run the program.  
Attributes:BLKSIZE=4560,LRECL=80,RECFM=FB--SEQ--11 blocks

- 42 Contributor: University of New Brunswick (B. Cassidy, B. Lesser)  
Effective date: 8 Mar 1982  
Summary: PDUMP a PL/I and BAL utility program to display a dataset at a terminal in dump format. Source, sample JCL, documentation are provided. This program requires access to supervisor state. Also included is a TSO to 3270 interface.  
Attributes:BLKSIZE=19040,LRECL=80,RECFM=FB--PDS--26 blocks 3 DIR
- 43 Contributor: Department of Health & Human Services (W. C. Hadden)  
Effective date: 15 Dec 1982  
Summary: An interface to allow a PL/I program to control a 3270 type terminal from a TSO environment.  
Attributes:BLKSIZE=6160,LRECL=80,RECFM=FB--PDS--18 blocks 1 DIR
- 44 Contributor: Bell Labs (Piscataway, N.J.) (Bob Peyser)  
Effective date: 02 Aug 1983  
Summary: Program to build a structure chart of subroutine calls from a PL/I compiler listing.  
Attributes:BLKSIZE=6160,LRECL=80,RECFM=FB--SEQ--12 blocks
- 45 Contributor: Southern Company Services (Steve M. Beasley)  
Effective date: 02 Mar 1986  
Summary: Programs and PL/I callable subroutines to enhance the use of PL/I in the CMS environment.  
Attributes:BLKSIZE=6320,LRECL=80,RECFM=FB--PDS--42 blocks 2 DIR
- 46 Contributor: Energy Information Admin (Hans J. Becker)  
Effective date: 02 Mar 1986  
Summary: Macro Processor / Source Includer program named MACROS. This program allows complex searching, modification, and combination of PDS members. Operation is controlled through parameter options and control statements.  
Attributes:BLKSIZE=6320,LRECL=80,RECFM=FB--PDS--64 blocks 2 DIR
- 47 Contributor: Kimberly-Clarke (Tom Smith)  
Effective date: 09 Aug 1988  
Summary: Linkage editor control statements for use with ABE editor and utilities in file 14 of this tape.  
Files for this contribution are 11,12,13,14,18,19,47,48, and 49.  
Attributes:BLKSIZE=3200,LRECL=80,RECFM=FB--PDS--120 blocks 36 DIR
- 48 Contributor: Kimberly-Clarke (Tom Smith)  
Effective date: 09 Aug 1988  
Summary: Fortran plotter routines for use with the ABE editor with source on file 14 of this tape.  
Files for this contribution are 11,12,13,14,18,19,47,48, and 49.  
Attributes:BLKSIZE=19040,LRECL=80,RECFM=FB--PDS--30 blocks 2 DIR

49 Contributor: Kimberly-Clarke (Tom Smith)

Effective date: 09 Aug 1988

Summary: Object for the Fortran routines supplied in file 48 of this tape. In case you don't have a fortrash compiler.

Files for this contribution are 11,12,13,14,18,19,47,48, and 49.

Attributes:BLKSIZE=3200,LRECL=80,RECFM=FB--PDS--28 blocks 2 DIR