
RCSL No: 52-AA1095

Edition: February 1982

Author: Jan Bardino

Title:

RC3502 Library Utility Programs

Keywords:

Real Time Pascal Programs, RC3502, Library Utilities.

Abstract:

Process or routine libraries for RC3502 may be constructed by means of the program plibinsert.

(6 printed pages)

Copyright © 1982, A/S Regnecentralen af 1979
RC Computer A/S

Printed by A/S Regnecentralen af 1979, Copenhagen

Users of this manual are cautioned that the specifications contained herein are subject to change by RC at any time without prior notice. RC is not responsible for typographical or arithmetic errors which may appear in this manual and shall not be responsible for any damages caused by reliance on any of the materials presented.

Utility programs plibinsert, pliblookup, and plibdelete

Process or routine libraries for RC3502 may be constructed by means of the program plibinsert.

Plibinsert may collect a group of modules into one object file. The cross linker may then include all the modules if specified as <obj file> in the call, or just include the modules referenced from an included object module if specified as <lib file> (see the description of the cross linker in RCSL: 52-AA988: PASCAL80 on the RC3502 Computer).

Plibinsert may also be used for updating an existing library. If the module to insert already is in the library the old one will be replaced by the new one.

The call is:

$$\left\{ \langle \text{new lib} \rangle = \right\}_0^1 \text{ plibinsert } \left\{ \langle \text{new object} \rangle \right\}_0^\infty \left\{ \text{lib.} \langle \text{old lib} \rangle \right\}_0^1$$

<new lib> is the updated library; default name is "lib".

<old lib> is the old library, possibly empty; default name is "oldlib".

<new object> is the name of a file containing one module to be inserted into <old lib>, possibly replacing an existing entry; default name is "pass6code".

Pliblookup produces a catalog listing of the modules included in a library. The call is:

$$\text{pliblookup } \left\{ \langle \text{library} \rangle \right\}_0^1$$

<library> is the library to be scanned; default name is "lib".

Plibdelete may be used to remove an entry from an existing library.

The call is:

$$\left\{ \langle \text{new lib} \rangle = \right\}_0^1 \text{plibdelete} \left\{ \langle \text{entry} \rangle \right\}_1^\infty \left\{ \text{lib}.\langle \text{old lib} \rangle \right\}_0^1$$

$\langle \text{new lib} \rangle$ is the updated library; default name is "lib".

$\langle \text{old lib} \rangle$ is the old library; default name is "oldlib".

$\langle \text{entry} \rangle ::= \text{entry}.\langle \text{number} \rangle$
 | $\langle \text{module name} \rangle$

Module names consisting of more than 11 characters and names including underscore may only be specified as "entry.<number>"; the entry number may be found by means of a call of pliblookup.

Example:

```

10 job jaba 1 600 time 5 15 perm disc 100 2
20 ; job for compiling and building a library of routines
30 iolib = set 1
40 scope user iolib
50 source = copy iolibtxt ; iolibtxt consist of 16 prefix declarations
60 ( editcom = copy message.no 25.1
70   ( repeat 16
80     pascal80 spacing.1000 codesize.1000 ioenvir source
90     lookup pass6code
100    if ok.no
110    finis
120    newlib = set 0
130    newlib = plibinsert lib.iolib
140    clear temp pass6code
150    clear user iolib
160    rename newlib.iolib
170    scope user iolib
180    (i editcom
190      source = edit source
200    )
210  )
220 )
230 d./end . /, f
240 end
250
260

```

RETURN LETTER

Title: RC3502 Library Utility Programs RCSL No.: 52-AA1095

A/S Regnecentralen af 1979/RC Computer A/S maintains a continual effort to improve the quality and usefulness of its publications. To do this effectively we need user feedback, your critical evaluation of this manual.

Please comment on this manual's completeness, accuracy, organization, usability, and readability:

Do you find errors in this manual? If so, specify by page.

How can this manual be improved?

Other comments?

Name: _____ Title: _____

Company: _____

Address: _____

Date: _____

Thank you

..... Fold here

..... Do not tear - Fold here and staple

Affix
postage
here

 **REGNECENTRALEN**
af 1979

Information Department
Lautrupbjerg 1
DK-2750 Ballerup
Denmark