



PC programs Communication Test Sets

Do you have the same problem? Do you have to laboriously "type in" automatic programs for your communication test sets on a small keyboard and only with the help of a line editor?

That is hardly ergonomic, or efficient either.

Well, with the ARE (AutoRun Editor) SCHLUMBERGER Technologies has solved the problem. ARE is a powerful, menu-prompted editor that will run on just about any PC. You send the test programs to the IEEE bus. And ARE does this without your having to enter any control codes.

ARE comes to your assistance as early as when you are developing test programs: parts of a program that keep cropping up in a slightly different form can be fetched quite simply from the library. Just make any modification and you are ready.

Forget about the line numbers. Even with GOTO instructions you don't have to state them. Instead of GOTO 3270 you simply type GOTO ^main menu^ . ARE does the rest for you.

No doubt that test programs can be understood much more easily now.

ARE does not take 20 seconds to send even the most extensive test programs over the bus. And while doing this, it checks whether there is an undefined label following a GOTO, GOSUB or ONERRORGOTO instruction.

ARE saves space too:

it can fade out REM lines while it is transferring to a communication test set. The documented source text stays on the PC, where you can best maintain and manage it.

And what is the situation like with existing test programs? ARE will read these on the IEEE bus without any trouble at all, and look after them just as carefully as if they were newly developed test programs.

The fully automatic installation of ARE shows you right from the start that you have a very simple tool in your hands. And, of course, there is ingenious, context-sensitive instant aid at your disposal: there is no tedious paging through help menus with ARE.

Have we nailed your problem?

You can find more about ARE in the data sheet on the opposite page.

ARE – Facts and Features

```

File  Block  Library  Goto  Transfer  Options  ARE 1.01
=====
^LEVEL 1^ REM ===== LEVEL 1 =====
GOSUB ^FIRST
GOSUB ^MAIN
END
^LEVEL 2^ RE
^FIRST SCREE
SETUP ERASE
PRI OFF
PRI
PRI " SC
PRI " AUT
PRI " VER
PRI "
PRI "
PRI "
PRI "
SCHLUMBERGER MUNICH"
=====
Options for search:
-----
B Search backwards, is from current
location of cursor to start of program.
G Global search regardless of current
location of cursor.
M Replace found text passages by new ones
without query.
U Ignore upper case and lower case.
W Only find whole words.
=====
<ESC> to quit  Free memory: 401  L 117  C 15  Ins  4015
  
```

```

File  Block  Library  Goto  Transfer  Options  ARE 1.01
=====
Load  GOSUB ^label2316^
Save  GOSUB ^label4198^
Save As GOSUB ^label0430^
Delete GOTO ^label4588^
Directory ^label0358^
Print
=====TX MEASUREMENT=====
PRI,"TX-MEASUREMENT"
PRI,""
PRI OFF
^label0500^ CLS
PRI:PRI
PRI,"TX MEASUREMENT"
PRI,""
PRI:PRI
PRI,"1=CARRIER POWER OUTPUT"
=====
TUTORIAL.ART  Free memory: 6816  L 37  C 4  Ins  RUFF * 4031
  
```

User interface

SAA interface with menu and status strip. Keyboard control, abbreviated key commands and standard function keys. WordStar-compatible control codes. Instant aid for all menu items and error messages.

Document management

Integrated file manager. Loading of all files and program building blocks by convenient menus. Brief description for all program building blocks.

Import and export

ASCII format (8 bits)

Cursor movement

Character: right/left. Word: right/left. Line: up/down, start/end. Screen page: up/down. Definition of and jumping to markers anywhere within the program.

Block functions

Mark, delete, shift, copy and print.

Search & replace

Single and global search, forwards/backwards, ignore upper case/lower case, labels and markers, only whole words.

Editing functions

Insert and overwrite, delete and insert character or line, undo editing of line.

Labels

Any combinations of letters and digits. Maximum length 32 characters. Coding: ^label^.

Library function

Store program building blocks (max. 16 Kbytes) in library and load from library. Automatic distinction between STABILOCK 4015 and STABILOCK 4031.

Syntax check

ARE detects GOSUBs, GOTOs and ONERRORGOTOs without valid or without any labels. Defined labels which are not used by one of those instructions will also be detected by ARE.

Memory management

Constantly updated calculation of available memory capacity (on communication test set).

File compression

REM lines can be eliminated for transfer.

Re-transfer

Reading of AUTORUN programs from the communication test set.

Transfer rate

Max. 1 Kbyte/s

Supported communication test sets

STABILOCK 4015, STABILOCK 4031

Other

Operating-system window, automatic installation program, ergonomically optimized screen drivers.

Hardware requirements

IBM-compatible PC with IEEE-bus interface card PC II A (National Instruments).

Requirements on STABILOCK 4031

Firmware version \geq 2.56

Requirements on STABILOCK 4015

Firmware version \geq 1.12 and option IEEE-488/RS-232C/Keyboard Interface.

Ordering codes

Auto option	Ordering code
AUTORUN Editor ARE	897 100
IEEE-Bus Interface Card PC II A	860 182
IEEE-488/RS-232C/Keyboard Interface	236 013
IEEE-Bus cable, 2 m long	860 110
Update to Firmware Version \geq 1.12 for STABILOCK 4015	
Update to Firmware Version \geq 2.56 for STABILOCK 4031	