



COMPUTER SYSTEMS

# ND 10080 PED Program Editor

## INTRODUCTION

PED is a powerful VDU page mode program editor for asynchronous terminals for use with the ND computers running the SINTRAN III operating system.

It is primarily designed for maintaining source program files written in a programming language, such as FORTRAN, BASIC, COBOL or PASCAL, though its convenience and ease of use makes it suitable for all kinds of text editing. Program files may be compiled by passing control to the PERFORM program, which activates the appropriate compiler.

The text may be read from and written to any mass storage file or I/O device.

Text may be added, modified, inserted, replaced and deleted by using the cursor movement controls and a few self-explanatory, easy to learn commands.

## FEATURES

- Dynamic Editing – text can be instantly changed on the screen
- Instant Screen Updating – no timelag between operator action and screen layout
- Ease of movement within a line (to specified character position or via horizontal tabulator functions)
- Ease of movement within the text (to specified line or character string)
- Selected lines of text may be deleted or moved/copied
- The whole or a part of the previous/next line next may be copied
- All or selected parts of text from other files may be merged into a chosen position within the text being edited
- Adaptable to several VDU terminal types
- File length up to 32 000 lines (i.e. about 500 A4 pages)
- Line width up to 256 positions
- Searching within the text for occurrences of a selected character string
- Automatic substitution of one character string by another, within a specified area of text

## PRODUCT DESCRIPTION

PED is intended for use only on display terminals. The editor is started by typing the name PED. It answers by writing its name and version, and is then ready to accept a command from the input unit. Dynamic editing means that the text on the screen is instantly changed-in response to the command entered. The user can save a permanently updated version of the text by writing it to a file.

There are several types of commands in PED: the DIRECT commands, the FULL commands and the CONTROL-KEY commands.

The DIRECT and FULL commands must be given while the cursor is in the screen home position. If a command requires extra information from the user, questions will appear in the top line of the screen.

The cursor can be placed in the home position at any time by pressing the HOME-KEY (or the slanted arrow on terminals that do not have a home-key). If the key is pressed a second time, the cursor returns to its previous position in the text.

CONTROL-KEY COMMANDS can be given at any time, both in DIRECT and in FULL command mode.

Pressing the character H for «HELP» or ? will cause the list of all available commands to be displayed on the screen along with a few explanatory words.

## COMMAND SUMMARY

### \*\*\*Direct commands\*\*\*

\*R . . . . . READ FROM FILE  
\*W . . . . . WRITE TO FILE  
\*A/C . . . . . ACTIVATE SUBSYSTEM  
\*+ . . . . . ADVANCE 5 LINES  
\*- . . . . . REWIND 5 LINES  
\*M . . . . . MOVE TO LINE  
\*D . . . . . DELETE LINES  
\*T . . . . . SET TABULATORS

\*B ..... SET BORDERS  
 \*X ..... LIST DEFAULT FILE  
 \*I ..... INSERT LINES  
 \*G ..... GET (FIND) STRING  
 \*E ..... EXIT  
 \*F/1 ..... FIRST WINDOW 20 LINES  
 \*N/DOWN .. NEXT WINDOW  
 \*P/UP ..... PREVIOUS WINDOW  
 \*L/\$ ..... LAST WINDOW  
 \*H/? ..... HELP  
 \*0-9 ..... DISPLAY WINDOW 0-9  
 (0 = CURRENT)  
 \*LEFT/RIGHT MOVE WINDOW LEFT/RIGHT  
 \*'. ' ..... SET/RESET FULL COMMAND  
 MODE  
 \*V ..... CURSOR TRACE ON/OFF  
 \*Ctrl Q ..... RECALL LAST COMMAND  
 \*@ ..... SINTRAN COMMAND FOLLOWS  
 \*S ..... SUBSTITUTE STRING  
 \*Y ..... DISPLAY MAIN FILE

\*\*\*Full commands\*\*\*

> LIST-FULL-COMMANDS  
 > LIST-DIRECT-COMMANDS  
 > LIST-CONTROL-FUNCTIONS  
 > SET-TABULATORS  
 > EXIT/END  
 > READ/FILE  
 > INCLUDE-FILE  
 > WRITE-FILE  
 > APPEND-TO-FILE  
 > DELETE-LINES  
 > INSERT-LINE  
 > MOVE-TO-LINE  
 > GET-STRING  
 > SUBSTITUTE  
 > SET-HOR-STEP  
 > SET-BORDERS  
 > SET-DEFAULT-FILE  
 > SET-MAIN-FILE  
 > SET-BLOCK-SIZE  
 > TIME-USED  
 > HELP  
 > FIRST-WINDOW  
 > NEXT-WINDOW  
 > PREVIOUS-WINDOW

> LAST-WINDOW  
 > TRACE-CURSOR  
 > MATCH-ALL  
 > EXACT-MATCH

\*\*\*CONTROL KEYS (ex: <X> means Ctrl + X)\*\*\*

\*\*\*'x' = ANY CHARACTER OR CONTROL KEY\*\*\*

<F>+'x' .... MOVE CURSOR RIGHT TO FIRST 'x'  
 <R>+'x' .... MOVE CURSOR LEFT TO FIRST 'x'  
 <T>/<I> ... MOVE CURSOR TO NEXT TAB STOP  
 <Y>/<U> .. MOVE CURSOR TO PREVIOUS  
 TAB STOP  
 <P>+'x' .... COPY FROM PREVIOUS LINE  
 UP TO 'x' (INCL.)  
 <C> ..... COPY ONE CHARACTER FROM  
 PREVIOUS LINE  
 <N> ..... COPY ONE CHARACTER FROM  
 NEXT LINE  
 FLI+<P>+'x' . COPY FROM NEXT LINE UP TO  
 'x' (INCL.)  
 <L> ..... INSERT BLANK LINE BEFORE  
 CURRENT LINE  
 <D>+'x' .... DELETE CHARACTERS UP TO  
 'x' (INCL.)  
 <Q> ..... RESTORE LAST DELETED LINE  
 <S> ..... SPLIT LINE AT CURSOR POSITION  
 <G> ..... CONTINUE SEARCHING  
 <B> ..... SET/RESET INSERT MODE  
 <E> ..... SET/RESET EXPAND MODE  
 <V> ..... SET MARKER/GIVE CURSOR  
 POSITION  
 DEL/<A> .. DELETE CHARACTER  
 <O> ..... ACCEPT CONTROL CHARACTER  
 FLI+@ ..... CONVERT WORD

REQUIREMENTS

ND 10048 SINTRAN III/VS.

DOCUMENTATION

PED User's Guide ..... ND-60.121



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