

FILE: FRSFCNS

Compliments of FRESS

A File Retrieval and Editing SyStem

Release 9.1 2 MAY 79

FRESS CAPABILITIES

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January 25, 1979
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This document was prepared as an aid to instruction and demonstration of FRESS. For a current or potential user it serves as a quick overview of what facilities are available.

SYSTEM CAPABILITIES

- Usable on any teletype or IBM 2741-equivalent terminal; minor changes to a single module to tailor for different terminals
- Upper/lower case or upper-case-only terminals
- Operating system environment provides capabilities to list files with last date changed, maintain online and archival storage (either disk or tape), compute cost of session, use special paper for printouts, etc.

FORMATTING CAPABILITIES

- Minor formatting (simple codes):
 - paragraph (!-p-)
 - center (!-c-)
 - new page (!-n-)
 - indent, hanging indent (!-i3-, !-j5-)
 - skip lines (!-s2-)
 - headings with automatic table of contents generation (!-h1-, !-h2-, etc.)
 - revision bars (!-r-)
 - conditional page (!-k5-)
 - draw box (!-b25,4- draws a box 25 chars wide, 4 lines deep)
 - tabs: left, right, or center aligned (!-t5l-, !-t5r-, !-t5c-); indexed into table (!-t1-, !-t2-, etc.); tab to column (!-t*24-); right justified tab (!-u3-, !-u*24-)
 - underscores (! (0, !))
- Global formatting:
 - margins (!+margin0,0,6,5+)
 - multiple columns (!+column2+, !+gutter5+)
 - page width and depth (!+width110+, !+depth55+)
 - heading definitions (!+heada+, !+head1=36,3,2;2=4,2,2+)
 - change paragraph code definition (!+para2,3+)
 - single to triple spacing (!+space1+, !+space2+, !+space3+)

- control over table of contents entries (which heading levels appear, how they appear) (!+tofc1=0;2=2;3=5+)
- title strings (headings, footings, subheadings, date, page) (!+titlet+Crisis Action Delayed+, !+titles+:+, !+titlef+&2+)
- justification (ragged right; ragged left; bell centered; right and left justified) (!+justl2+, !+justl3+, etc.)
- reset tab index (!+settab1=5;2=15;3=25+)
- Format code macros (combinations of format codes and text under user-defined names)
- Block diagrams (boxes, vertical and horizontal lines -- anything that can be done on a line printer)
- Special characters (anything printable)
- Tables (both single line and multi-line entries)

PRINTOUT CAPABILITIES

- Online
 - Control of line width, number of lines printed after each command (SD), amount of formatting (SV, DV)
 - Print, Type any number of lines to terminal
 - Fully formatted output (FU 2)
- Offline
 - Text with format codes: Offline Type (OT)
 - Fully formatted output (FU)

TRAVELING CAPABILITIES (ELEMENTARY)

- Pattern scanning (locate: L, LL, LB, LM, etc.)
- Scrolling (by number of lines)
- Retrieval of file: Get File (GF)
- Top, bottom of file, area: Display Space (DS), Bottom (B), Bottom of Area (BA)
- Suppression of display, buffer movement (SM)

EDITING CAPABILITIES (ELEMENTARY)

- Stream oriented
- Automatic pattern scan
- Use of ellipses
- Deferred end points so one can edit arbitrarily long strings of text

- Inputting
 - Creating File: Make File (MF)
 - Online (Swift Input, SI at top or bottom of file: SI, SIT, SIB)
 - Offline (Offline Read from cards or card image files)
- Simple edit commands: Insert (I), Insert Before (IB), Delete (D), Substitute (S), Move (M), Copy (CO), Revert (REV), Accept (A)
- Format code error scanning: Find Next Format Code Error (FE, FEL)

PROTECTION

- Passwords with "allowed functions" list
 - Creating: Add Password (AP)
 - Deleting: Delete Password (DP)
 - Changing password in use: Change Password (CP)

TRAVELING - RANDOM ACCESS

- Multipurpose: Jump (J)
- Creating label: Make Label (ML)
- Retrieving label: Get Label (GL)
- Saving current position: Save (SA)
- Retracing path: Return (R)
- Memory Return Ring (RI)
- Online viewing
 - alphabetically (label space)
 - geographically (structure space)

EDITING CAPABILITIES (EXTENDED)

- Capitalize (CA), Uncapitalize (UNC), Flip (FL)
- Surround (SUR), Underscore (U), Bars (BARS), Footnote (FO)
- Uniform Substitute (US)
- Move and Copy to Label (MTL, CTL)
- Advanced pattern matching features
 - & LP character
 - line and character displacement numbers
 - character, word, line, block, and order qualifiers

"MULTIPLE SHEETS OF PAPER"

- Work Space -- Move and Copy To Work (MTW, CTW), Move and Copy From Work (MFW, CFW)
- Multiple Text Areas (SPL, NA)

SECTION ORGANIZATION - BLOCKS AND DECIMAL BLOCKS

- Creating: Insert Block (IBL) and Make Block (MB)
- Creating: Insert Decimal Block (IDB) and Make Decimal Block (MDB)
- Retrieving: Get Decimal Label (GDL)
- Viewing as outline (structure space)
- Decimal references (tags)
 - Creating: Make Decimal Reference (MDR) and Make Decimal Reference Deferred (MDRD)

FILE FUNCTIONS

- Query Current File (Q)
- Copy File (CF)
- Scratch File (SF)
- Free File (F)
- Pack File (PF)
- Imbed file (IM)

EXTENSIBILITY

- command macros can combine several commands together to make new user-named functions

TRAVELING - CONDITIONAL TEXT

- Jumps, splices (J, MJ, MS)

KEYWORDS

- regular and display keywords
- keyword retrieval of blocks (BT, BTD, TR, SKD)
- keyworded jumps (SKJ, SKD)

ANNOTATION BLOCKS

- allow reference material to be kept separate from the text (IA, MA, RTA, SKA)

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