



Text and Document Processor/3000

model 36578A

Text and Document Processor/3000 (TDP/3000) is a text editing and document formatting system. By using easy-to-understand commands, documents can be typed in, errors corrected, text rearranged, and well formatted, final reports, generated. TDP/3000 can be used to create letters, memos, manuals, tabular reports, and computer programs.

The command-driven TDP/3000 system provides users with the capability for text editing and document formatting on the HP 3000 they presently use for their business data processing. Both data processing and word processing applications can be handled with the same HP 3000. Standard HP terminals can be utilized for both applications with no special interfaces or options required.

FEATURES

- Text editing
- Document formatting
- Mathematical expression handling
- Table creation
- Built-in calculator
- Command files
- Form letters
- Automatic hyphenation
- Security
- MPE command execution

Text Editing

Changes to a file can be done with TDP/3000. Words, phrases, sentences, or paragraphs can be inserted, deleted, modified, or replaced, across the entire document or any portion of it.

Documents can be rearranged by moving or copying text from one part of the document to another. Other documents, such as a standard disclosure section for a proposal, may be merged into the text file either while editing or just prior to printing.

TDP/3000's editing capabilities are also complemented by the text editing features of HP terminals.* With the TDP/3000 command, SCREEN, a requested section of a document is displayed on the terminal. Full screen editing using the terminal's text preparation capabilities can be accomplished. For example, the cursor can be positioned to any character and characters added or removed using the character insert/delete keys. When all changes have been inserted, the SCREEN command is completed by pressing the ENTER key.

*Terminal text editing features require an HP block mode terminal and are not available on the character mode HP 2621A/P, and HP 2635A/B terminals.

Document Formatting

Using embedded commands, TDP/3000 offers print enhancement features such as underlining, subscripts, and superscripts, and user control over margin and tab settings.

All or any part of a report may appear with multiple columns by using the COLUMN command. Output page size can be modified or the automatic pagination feature can be used.

Titles can be centered or right or left justified. Multiple line headings and footings can be inserted and changed for every page. Footnotes can be inserted after the line containing the reference. TDP/3000 takes care of placing the footnote on the correct page.

A table of contents can be created by TDP/3000 by specifying the sections to be included. As the document is printed, the page numbers of the specified sections are kept. At the end of the document, the table of contents, with the page numbers inserted, is printed.

Mathematical and Scientific Expressions

One of the most tedious tasks associated with technical document preparation is the formatting and editing of mathematical expressions. TDP/3000 handles superscripts, subscripts, and fractions allowing expressions to be easily inserted or modified. Terms may be nested and can include compound fractions. For example,

$[A] / [X_{sup} [2] + Y_{sup} [2]] + [X_{sub} [i] + Y_{sub} [j]] / [A_{sup} [3]]$

Is formatted as:

$$\frac{\frac{A}{X^2 + Y^2}}{A} + \frac{X_i + Y_j}{A^3}$$

Table Creation

A variety of ways are provided to create and revise tables and columnar documents. Material may be formatted into columns as it is typed using user-set tabs or can be formatted into columns after it is typed using the ALIGN command. The material also can remain in the file as unformatted text and be formatted into columns at the time the document is printed. All three options can produce the same report.

Continued

The text for the following table was originally entered without regard for spacing. Each line was then justified using the ALIGN command.

Mth- Yr	Project A	Project B	Project C	Monthly Total
4-78	-	2,676.27	1,462.22	4,138.49
5-78	2,221.44	124.95	25,167.75	27,514.14
6-78	23,381.32	-	132.60	23,513.92
	25,602.76	2,801.22	26,762.57	55,166.55

Built-in Calculator

TDP/3000's calculator can add, subtract, multiply divide, and take square roots. Parentheses may be used to group terms. The result of any computation is retained and can be used in the next computation. The calculator is invoked by typing "=" and the expressions. For example,

```
=SQRT(1+3+5+7+9)
5
```

The calculator can do sums and other calculations involving rows and columns that are part of a document using the TOTAL command. The results can be inserted into the document.

Command Files

With the USE command, TDP/3000 provides a means of simplifying repetitive tasks. A set of frequently used commands can be entered, stored in a "usefile", and executed with a single USE command. The usefile eliminates tedious input of multiple commands for creating standard documents.

Form Letters

Form letters can be created and stored with the changing information designated by specially defined variables called "macros". When the form letter is to be used, TDP/3000 can prompt the user for the needed information, and prepare it for final review and printing.

Automatic Hyphenation

Automatic hyphenation can be used on all or part of a document. The user may request to see the results of each hyphenation and has the option to override the automatic hyphen. An exception dictionary is kept by TDP/3000 for words which do not follow standard hyphenation rules.

Security

For sensitive or company-private documents, a file can be encrypted before it is stored. The user supplies a code word that is used to scramble the contents of the file. The document is stored in this unreadable form. It is deciphered when it is retrieved with the code word. This level of security is in addition to the security provided by the MPE operating system.

MPE Command Execution

You can execute certain MPE commands such as LISTF, PURGE, STREAM, RUN, SAVE, SHOWJOB, and COBOL without exiting TDP/3000.

This feature is particularly useful when writing computer programs. A user can compile TDP-created programs, receive compiler messages and be ready to make corrections without leaving the TDP/3000 system.

Hardware Environment

HP 3000 Systems

Series 30
Series 33
Series III

Terminals

All HP terminals which connect to the HP 3000 may be used.

Supported Printers

HP 2608A HP 2631B
HP 2613A HP 2635A
HP 2617A HP 2635B
HP 2619A HP 9871A
HP 2631A

Software Environment

MPE-III operating system. No other software is required.

Documentation

For further technical information, consult the following HP manuals:

Text and Document Processor/3000 Reference Manual
(Part No. 36578-90001)

Using Text and Document Processor/3000
(Part No. 36578-90002)

Text and Document Processor/3000 Quick Reference
Guide
(Part No. 36578-90003)

Training

Hewlett-Packard offers the following training courses:

36579A Two day course on TDP/3000 commands and applications (H-P Training Center)

36579X Above course given at the customer's site.

Support

HP offers a broad range of software support services. See the HP 3000 Specifications Guide for a description of the different software support services.