APPENDIX F
THE FORMAT MACROS

Note to reviewers: Markup problem: 'format' should be lower case from .chapter.

Throughout this book, we've made extensive references to portions of the extended `ms` macro package that we use in our technical writing business. These macros are used in conjunction with the `format` shell script to provide a complete document formatting environment.

This package was originally developed by Steve Talbott of Massachusetts Computer Corp. (MASSCOMP). We have extended and generalized it to meet the document design needs of many different clients.

The purpose of this appendix is to summarize, in one place, the function of the macros that the package contains. We have found that this set of macros covers the basic needs of people involved in the development of technical books and manuals.

The package relies on the existence of the underlying `ms` macros. In this sense, it is not a complete package. However, it is possible to define a simple subset of the `ms` macros to cover the basics if the full implementation of `ms` is not available.

For more information on the full implementation of these macros, please feel free to contact us in care of the publisher.

Summary of the Macros

The following list summarizes the user-callable macros in the `format` macro package.

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`.[ABCD]h`	A-level head, B-level head, and so on.
`.Dr`	Specify whether the current version is a draft. (Drafts are dated.)
`.Fs`	Start a figure.
`.Fe` *title*	Figure end. Figures are automatically numbered, and given the specified *title*.
`.Hl` [*c*]	Print a horizontal line the width of the page, using character *c*. (Default is underscore.)
`.IOC` [*strings*]	Start an interoffice memo.
`.TO`	List of names following `.TO ""` will be placed in separate distribution list.
`.TO` *name*	*name* is addressee. Maximum of five such `.TO` lines.
`.DA` *date*	*date* is date of the memo; will be included in page footer.
`.ND` *date*	*date* is date of the memo; will be omitted from page footer.
`.FR` *name*	*name* is sender. Maximum of five such `.FR` lines.
`.CC` *name*	*name* is person to receive copy of memo. Maximum of five `.CC` lines.
`.SU` *subject*	*subject* is subject of the memo.
`.IP` *label indent* [0]	Begin paragraph with "hanging indent." Following text is indented, while *label* remains at the margin.
`.LP` [0]	Start a (left-justified) paragraph. 0 suppresses blank line.

`.Ls` [*type*] [*indent*] [*bullet*]	Start a (possibly nested) list. *type* is `N` (number), `A` (alphabetical uppercase), `a` (alphabetical lowercase), `I` (Roman number uppercase), `i` (Roman number lowercase), `B` (bullet). Default indent is 5. *bullet* is alternative bullet string (null string is acceptable).
`.Li` [0]	List item. 0 suppresses preceding blank line.
`.Le` [0]	End of innermost list. 0 suppresses preceding blank line.
`.Lt` [1|2]	Enter address blocks and date (1), and salutation (2) of a letter.
`.Nd` *n*	Need *n* lines. If *n* lines do not remain on the page, eject new page. Unlike `.ne`, `.Nd` causes a break.
`.Nh [1|0]`	Enable/disable numbered headings (enabled by default).
`.Ns` *type*	Start a NOTE of type `N` (Note), `C` (Caution), `W` (Warning), `R` (Review Note), or `P` (Private Note). Review notes are printed in the text and summarized in a list at the end. Private notes appear only in the end list.
`.Ne`	End a note.
`.OB` *string*	Print an overbar (over a string).
`.Ps` [*indent*]	Start a "printout" (display). Text is printed in the `CW` font and preserved as is—there is no filling.
`.Pe`	End a printout. See `.Ps`.
`.Rh` [0|1] [*desc*] *head* . . .	Create reference page header.
`.Se` [*number*] [*title*]	Start a section (chapter). This sets up many defaults, and is desirable to use for most documents.
`.SE`	Screen end. End a computer screen illustration begun with `.SS`.
`.SS` [*width*] [*height*]	Start a screen illustration (box with curved corners). If width and height are not specified, scale to size of contents. **Note to reviewers:** Book errata: missing full stop after close parenthesis.
`.Tc` *level*	Specify what level of heading will be saved in the table of contents (`Ah` to `Dh`)
`.Ti` *text*	Title—goes in left page footer.
`.St` *text*	Subtitle—goes in right page footer.
`.Ts` *title*	Start a table with given caption. Tables are automatically numbered.
`.Te`	End a table. (Output a blank line.)
`.XX` *text*	Make an index entry out of *text*, with automatic addition of a page number.
`.XN` *text*	Make an index cross-reference out of *text* (no page number).

Notes to Reviewers

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