

Document Composition Facility: GML Quick Reference Summary

SX26-3719-4

Fifth Edition (March 1985)

This reference summary contains information from the <u>Document Composition</u> Facility Generalized Markup Language: Starter Set Reference, SH20-9187-3.

Note: Field Engineering support and maintenance are available for the Generalized Markup Language (GKL) starter set. Support and maintenance, however, are not available if the starter set has been modified in any way. If you do make modifications, it is recommended that you also maintain an <u>unmodified</u> starter set for diagnostic purposes.

Changes are made periodically to the information herein; before using this publication in connection with the operation of IBM systems, consult the latest IBM System/370 and 4300 Processors bibliography, GC20-0001, for the editions that are applicable and current.

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IBM Corporation Information Products Division Department 580 Boulder, Colorado 80301 Document Abstract: A summary of the document.

: ABSTRACT	

Address: The street or mailing address of the author or publisher.

: ADDRESS	
:ALINE	.address line
: EADDRESS	

Appendix Section: A major element of a document containing explanatory and illustrative material.

```
: APPENDIX
```

Back Matter Section: A major element of a document that contains reference material such as a glossary, a bibliography, and an index.

```
:BACKH
```

 ${\bf Body\ Section:}\ \ {\bf A\ major\ element\ of\ a\ document\ that\ contains\ the\ main\ text\ of\ the\ document.}$

:BODY

Title Citation: The title of a publication.

```
:CIT
```

Definition List: A list of words or phrases and their corresponding explanations. The terms being defined and their descriptions are identified by :DT and :DD tags, respectively. Term and description headings are identified by :DTHD and :DDHD tags, respectively.

Figure: A diagram, table, or other illustration. The figure can also contain a figure caption and/or a figure description, identified by the :FIGCAP and :FIGDESC tags, respectively.

List of Illustrations: A place in the document where a list of figures is created.

:FIGLIST

Figure Reference: A place in a document where a reference to a figure is made.

:FIGREF	REFID= figure-id	
	PAGE= YES	

Footnote: A note of reference, explanation, or comment placed below the text on the printed page. ID= footnote-id :FN : FFN Footnote Reference: A footnote should be made A place in a document at which a reference to a : FNREF REFID= footnote-id Front Matter Section: A major element of a document that contains terial that serves as a guide to the document's contents and nat such as the preface, table of contents, and list of illustrations. nature, : FRONTH General Document: A general document. : GDOC SEC= 'security classification' : EGDOC Glossary List: A list of glossary terms that appears in the back matter of a document. The terms being defined and their descriptions are identified by the 107 and 100 tags, respectively. TERMHI= 2 term-highlight-level :GL COMPACT GI .glossary term : GD .glossary def : LP : EGL Headings: Major sections of a document. Level-zero sections are some-times called "parts." Level-one sections are called "chapters" when they appear in the body of the document, and "appendixes" when they appear in the appendix section. ID= heading-id :HO. :H1 section heading STITLE= 'short heading' :H2 - :H6 ID= heading-id .heading Heading Reference: A place in a document where a reference to a heading REFID= heading-id : HDREE Highlighted Phrases: Words or phrases that are to be emphasized. :HP0 - :HP3 :EHP0 - :EHP3 Index Entries: Primary, secondary, and tertiary index terms. ID= index-id :11, :12, :13 .index term PG= END MAJOR 'string' REFID= index-id Index Headers: Primary, secondary, and tertiary index headers. :IH1, :IH2, :IH3 ID= index-id .index term PRINT= 'index entry'

Index: A place in the document where an index is created. : INDEX

SEE= 'reference' SEEID= index-id

Index Entry Reference: A place in a document where an index entry to

: IREF	REFID= index-id	
	START PG= END HAJOR 'string'	
	SEE= 'index reference'	
	SEEID= index-id	

List Item Reference: A place in a document where a reference to a list item is made.

```
:LIREF REFID= list-item-id

PAGE= YES
NO
```

Lists: Simple, ordered, and unordered lists of items. The items of the list are identified by the :LI tag.

:SL, :OL, :UL	COMPACT	
:LI	ID= list-item-id	
: LP		
:ESL, :EOL, :EUL		

Long Quotation: An excerpt quoted from another source.

:LQ	
:ELQ	

Note: A paragraph containing a comment or an explanation of particular importance.

```
importance.
:NOTE
```

Paragraph: One or more sentences related by their subject matter. The :PC tag identifies the continuation of a paragraph that has been interrupted.

```
:P, :PC
```

Preface: Introductory remarks, such as acknowledgments, which precede the body of a document. **PREFACE**

Process-Specific Control: Markup and text to be processed only under specific conditions.

:PSC	PROC= 'list of process-id's'
:EPSC	

 ${\bf Quoted\ Phrase:}\ A\ {\bf phrase\ in\ which\ the\ exact\ words\ of\ an\ individual\ or\ another\ document\ are\ cited.}$

: Q	
:EQ	

Title Page: A front matter element that contains general information about the document. The title page can contain addresses.

:TITLEP		
:TITLE	STITLE= 'short title'	.document title
: DOCNUM		.document number
: DATE		.[document date]
: AUTHOR		.author name
:ETITLEP		

Table of Contents: A place in the document where a table of contents is created.

: TOC			
1100			

Example: An example that is read inline with the main text.

:XMP	DEPTH= vertical-depth
: ЕХИР	

Logical Device Type	Real Device Type	Lines per Inch	Page Width	Size Length	Band		gins Bottom	Line Length	Class of Device
TERM 2741 3270	(1) 2741 3270	6	8.52	11 1	2	. 51	.51	61	
1403N6 1403N8 1403N6 1403N6 1403N6 1403N6 1403N6 1403SH (2)	1403	68686666	8.51 13.51 13.51 13.51 13.51 13.51 13.51	11 1 11 1 11 1 11 1 8.51 8.51 11 1	lı	. 51	.51	6.3	line devices
3800M6 3800M8 3800M12 3800H6 3800H8 3800H12 3800M85 3800M85 3800M85 3800H65 3800H65 3800H65 3800H85 3800H85	3800	6 8 12 6 8 12 6 8 12 6 8	8.51 8.51 13.51 13.51 13.51 11 1 11 1 11 1 11 1 13.51 13.51	10 1 10 1 10 1 10 1 10 1 10 2 7.51 7.51 7.51 7.51 7.51	11	D	0	61	
38PPN 38PPW 38PPNS 38PPWS	3800-3	(*)	8.51 13.51 11 i 13.51	10 1 10 1 7.51 7.51	21	0	.1251	61	page printers
38PPW90 38PPW590 38PPW270			10 1 7.51 10 1	15.51 11 1 13.51	. 51	.51	. 51	61	
3820A 3820A90 3820A180 3820A270 38201 3820A4 3820B4 3820B4 3820B5	3820	(1)	8.51 8.51 8.51 8.51 8.51 210mm 257mm 182mm	11 1 11 1 11 1 11 1 14 1 297mm 364mm 257mm	li	. 5i	.51	61	
4250A 4250B 9250L 4250A3 4250A4	4250	(*)	8.51 11 1 8.51 297 mm 210 mm	11: 17: 14: 420mm 297mm	11	. 5 s	. 51	61	

The physical device type corresponding to the TERM logical device can be either 2741 or 3270, depending upon the actual terminal type.

² This is a 12-pitch device, all other 1403 devices are 10-pitch.

The linespacing for page printers is determined by the .15 [line Spacing] control word and the fonts used in the document.

SCRIPT/VS Logical Devices: This table lists the logical devices that can be specified with the DEVICE option of the SCRIPT command, and the default page dimensions for each.

&. Replaced with an ampersand (&)

&date. Replaced with the current date (or document date, if speci-fied with :DATE tag)

&gml. Replaced with the GML delimiter (:)

&rbl. Replaced with a "Required blank"

&semi. Replaced with a semicolon (;)

&time. Replaced with the current time

Convenient Symbols: These symbols can be used anywhere their values would otherwise have been entered.

```
general document (:QDDC)
front matter (:FRONTM)
title page (:TITLE)
document title (:ITILE)
document mumber (:DDCNUM)
document dist (:AUTHOR)
address of author or publisher (:ADDRESS)
address of author or publisher (:ADDRESS)
address ine (:ALTHOR)
basic document elements
preface (:PREFACE)
basic document elements
lower-level heading segments (:H2 to :H6)
basic document elements
table of contents (:TOC)
list of illustrations (:FIGLIST)
basic document elements
basic document elements
lower-level heading segments (:H2 to :H6)
basic document elements
basic document elements
lower-level heading segments (:H2 to :H6)
basic document elements
lower-level heading segments (:H2 to :H6)
basic document elements
lower-level heading segments (:H2 to :H6)
basic document elements
lower-level heading segments (:H2 to :H6)
basic document elements
lower-level heading segment (:H2 to :H6)
basic document elements
lower-level heading segment (:H2 to :H6)
basic document elements
lower-level heading segment (:H2 to :H6)
basic document elements
```

The Structure of a General Document: The basic document elements are shown below.

```
* address (:ADDRESS)
address line (:ALINE): single text line

definition list (:DL)
definition described (:DDHD) single text line
definition described (:DDHD) single text line
definition description ::DDHD)
implied paragraph
basic document elements
list part (:IP)
implied paragraph
basic document elements
line elements

**cample (:XMP)
basic document elements
line elements
line elements
figure (:FIG)
figure bady
basic document elements
figure caption (:FIGCAP): single text line
figure description (:FIGCAP)
basic document elements

**footnote (:FN)
implied paragraph
basic document elements

**footnote (:FN)
implied paragraph
basic document elements

**footnote (:FN)
implied paragraph
basic document elements
list part (:ICL)
glossary terms (:GT)
glossary definitions (:GD)
basic document elements
list part (:ICL)
implied paragraph
basic document elements
list part (:ICL)
list item (:IL)
implied paragraph
basic document elements
list part (:ICL)
list item (:IL)
implied paragraph
basic document elements
list part (:ICL)
list item (:IL)
list it
```

The Basic Document Elements: An implied paragraph is one for which no :P tag need be entered; a single text line cannot contain any tags. The contents of a paragraph unit are shown at right.

```
paragraph unit (:NOTE, :P, :PC :LP)

sentence
title citation (:CLT)
title citations (:CLT)
footnote reference (:FRREF)
heading reference (:HRREF)
list item reference (:HRREF)
list item reference (:HRREF)
quote (:Q)
plote
cord
cord
character
```

Contents of a Paragraph Unit: These text items can be used anywhere within a paragraph.

```
• index entry (:I1, :I2, :I3): single text line
```

- index header (:IH1, :IH2, :IH3): single text line
- index reference (:IREF)
- · process-specific control (:PSC)

Miscellaneous Elements: These tags can be used anywhere in a document.

```
D Duplex: Indicates whether major sections should begin on odd-
numbered pages. The default is NO.
```

NO Do not format for duplexing.

YES Format for duplexing.

H Head Numbering: Indicates whether level-one through level-four headings (IHI through IHG) are to be automatically numbered in the body of the document. The default is NO.

NO Do not number headings.

YES Number level-one through level-four headings.

initial-value The initial setting of the heading counters. By
default, headings are numbered from 1.0.

P Process: Specifies the process being run. The names of the physical output device and the logical device are always used as active processes for rFSC elements.

R Read: Specifies a previously created file to be read that contains ID information to resolve forward references.

S Style: Controls the page style of the body of the document. The default is ONE.

E Single-column layout

TWO Double-column layout

OFFSET Single-column layout with outdented headings

T Title Page Printing: Indicates whether a title page should be generated from the information collected by the title page group tags. The default is YES.

YES Right-align title page text.

RIGHT Right-align title page text.

CENTER Center title page text.

LEFT Left-align title page text.

NO Do not create a title page.

W Write: Specifies a file to be created that contains ID information from the document being processed.

X Cross Referencing: Indicates whether a cross reference listing of figure, footnote, heading, and index IDs, and imbedded files should be appended to the formatted output. The default is YES.

YES Create ID and imbed file cross references.

NO Do not create cross references.

SCRIPT/VS System Variables: These formatting parameters may be specified with the SCRIPT/VS SYSVAR option.

Processing Options:

bind) Specifies that the printed portion of the output page is to be shifted to one side to leave room for binding. It is shifted 'obind' space units to the right on odd-numbered pages, and 'ebind' space units on even-numbered pages. If only one value is given, it is used BIND(obind ebind)

numbered pages. for all pages.

CHARS(specify fonts) Identifies the fonts to be used when formatting for the 3800 Printing Subsystem.

Allows the redefinition of a SCRIPY/VS utility file to a non-utility file. DDUT

FONTLIB(name) J Specifies the font library to be used when formatting for page devices.

Causes SCRIPT/VS to create an index from index entries specified in the text of the document. INDEX

LIB(name) Specifies the name of the library containing SCRIPT/VS

For the GML starter set, the APF's reside in macro li-braries named DSMOMIA MACLIE (CMS environment) and SCRIPI.RSU.MACLIE (150 environment) in the ATMS-III environment, the APF's reside in SYSOP (system operator) permanent storage.

Disallows the redefinition of a SCRIPI/VS utility file to a mon-utility file. NODDIIT

NOSEGI TR Suppresses the search for a segment library.

OPTIONS(name) Specifies the name of a file containing more SCRIPI/VS command options. The options are processed as if they had been entered where the OPTIONS option appears.

Note: The OPTIONS option is available only in the CMS and ATMS-III environments.

Allows you to print pages of formatted output selectively. PAGE

Note: If no parameter is given with the PAGE option, PAGE(PROMPT) is assumed (except under ATMS-III, where it is ignored).

PROFILE(name) Specifies the name of a file or data set you want used as the document profile.

The profile provided with SCRIPT/VS for use with the GML starter set is named SSPROF.

SEGLIB!name! Specifies the name of the library containing the ments to be included when the document is printed

Causes SCRIPT/VS to perform spelling verification. SPELLCHK

SYSVAR(x value ...) Specifies system variables which can be used to control the processing of a document.

Causes SCRIPT/VS to process your input of producing output only on the second pass. TWOPASS document twace.

Logical Device and Output Destination:

DEVICE(type) Specifies the "logical" device and underlying physical device for which formatting is to be performed.

FILE(name) Causes output to be formatted for the specified logical device, but stored in the named file or data set instead of being displayed or printed.

Note: The FILE option is not available in the ATMS-III environment.

Causes output to be formatted for the specified logical device, but printed on the system orinter. PRINT

Causes output to be formatted for the specified logical device, but displayed at a terminal instead of on the physical device. TERM

Note: TERM is not available in the batch environment, and is forced in the ATMS-III environment.

Error Handling:

Normally, SCRIPT/VS stops processing when it finds an error. This option directs it to continue processing unless the error is severe.

MESSAGEIDELAY) This option, with the parameter "delay", causes error messages to be printed at the end of the output document, instead of being displayed at a terminal during processing. (In the batch processing environment, messages are always delayed.)

Unit Name	Specified As	Examples
Centimeter	aCM	1.27cm, 25cm
Character (Horizontal)	a	5 12.5 1,33
Cicero	nCp	cl2 (12 didot points) 2c3 (2 ciceros and 3 points) cl.5 (1.5 didot points)
Device Unit (Horizontal)	nDH	10dh 600dh
Device Unit (Vertical)	nDV	6dv 600dv
Em-space (Horizontal)	nMH or aM	6mh 6m .33mh .33m
Em-space (Vertical)	aMV	1mv .5mv
Inch	al	3.5i 6,5i .75i
Line (Vertical)	a	2 3.5 1,75
Millimeter	aMM	12.7mm 25,4mm 100mm
Pica	nPp	p6 (6 points) 3p2 (3 picas and 2 points) pl.5 (1.5 points)

Where:

- a is a number of centimeters, characters, ems, inches, lines, or millimeters. The number may be fractional, with up to two decimal positions, and either a period (.) or comma (,) can be used to separate the integral and fractional portions of the number.
- n is a number of whole ciceros, picas, or device units.
- p is a number of points. (There are 12 points in a cicero or pica, and 72 points in an inch.)

Space Units: Any of these notations may be used when an amount of vertical or horizontal space is entered.



SX26-3719-4





Document
Composition
Facility: Text
Programmer's
Quick Reference

SX26-3723-5

Fifth Edition (March 1985)

This edition contains information from and makes obsolete SX26-3723-4; it also contains information from the <u>Document Composition Facility: SCRIFIVYS Language Reference</u>, SM35-0070-2

Changes are made periodically to the information herein; before using this publication in connection with the operation of IBM systems, consult the latest IBM System/370 and 4300 Processors Bibliography, GC20-0001, for editions that are applicable and current.

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Option	Parameters (bind)	Description
BIND	(bind) (obind ebind)	Shift the page to the right. SCRIPT/VS system symbol: &\$80. &\$8E
CHARS	(fentl fent4)	Specify up to four fonts. More than four external font-id's may be specified for page printer properties for the specified matting is not limited to the fonts so specified. SCRIPT/VS system symbol: 36CHARK!)
CONTINUE		Continue processing after a non- severe error occurs.
CTF		Prepare output in STAIRS/VS Con- densed Text Format.
TUDUT		Allows the redefinition of a SCRIPT/VS utility file to a non- utility file.
DEST	(station-id)	Specify a remote output station. (Valid only in TSO.)
PILE	(devtype) [(fileid)]	Specify a logical output device.
		Specify a disk file for output (Not valid in ATMS-III.)
FONTLIB	([filetype] [filemode])	Specify a font library. Enable the .PI [Put Index] con-
		trol word. SCRIPT/VS system symbol: 8\$INDX
LIB	(libname) (opnum)	Specify symbol and macro li- braries. (Only one in TSO; us to eight in CMS and ATMS-III.)
MESSAGE	(IDELAY) [ID] [TRACE])	Control message printing.
NOCONT		Terminate processing after ar error occurs.
тиввои		Disallows the redefinition of a SCRIPT/VS utility file to a non-utility file.
NOPROF		Suppress the profile.
NOSEGLIB		Suppress the segment library.
NOSPIE		Prevent entering SPIE exit rou- tines. (Valid only in CMS and FSO.)
NOWAIT		Prevent prompting for paper ad- justment. (Valid only for type- writer terminals in CMS and TSO.)
NUMBER		Print file name and line number. Ignored for page printers.
OPTIONS	[(fileid)]	Specify a file that contains SCRIPT options. (Valid only in CMS and AIMS-III.)
PAGE	((PROMPI) (IFROM) p [TO] q] ((FROM) p FOR n] ((FROM) p ONLY)))	Print pages selectively. (PROMPT is valid only in CMS and ISO.)
PRINT	[(copies,class, fcb.ucs)]	Produce printer output. In CM will take advantage of virtual 3800 support in the VM/SP Syster Product. (Suboptions are valid only in TSO.)
PROFILE	((fileid)]	Specify a profile. (A file to be imbedded before the primary input file is processed.)
QUIET		Suppress formatter identifier nessage.
SEARCH	(libnome) (opnum)	Specify a library in TSO. Specify the default filetype for in- bed and append files in CMS. Specify operator number in ATMS-III.
SEGLIB SPELLCHK		Specify a page segment library. Enable the .SV [Spelling Verification] control word.
STOP		Print separate pages at the ter- minal. (Valid only for type- writer terminals in CMS and TSO.)
SYOFF		Disables the .SY [System Command] control word. SYOFF is the default. Applicable only is the 150 and CMS environments only.
SYON		Enables the .SY [System Cormand control word after SYOFF is specified. Applicable only in the [SO and CMS environments.
SYSVAR	(n value)	Set symbol values for &SYSVARn.
TERM		Display the output at a user's terminal.
TLIB	(libname)	Specify spelling checking and hyphenation libraries. (Valid only in CMS.)
TWOPASS		Prepare with two formatting passes, and produce output of the second pass. SCRIPT/VS system symbol: &STMO
UNFORMAT		Print all input lines without formatting. Ignored for page printers. SCRIPT/VS system symbol: &\$UNF
UPCASE		Fold lowercase letters to upper- case before printing.



<	Page Width (.PW)>
	- line Length (II)

Page Margin (— Column Line Length (.CL) — (.PM) — — — — — — — — — — — — — — — — — — —		Top Margin (.TM)
(-Indent		Running Heading (.RH)
(.IN)		Top Page Float (.FL)
Right (.IR)		(.IN)
Margin (— Column Line Length (.CL) (.PM)		
Binding (BIND) G Column Line Length > u t t t t E Bottom Column Floa	Margin	<pre>(Column Line Length (.CL)</pre>
(BIND) (Column Line Length > u (
Column Line Length > u t t t t t t t t t t t t t t t t t t	(BIND)	
Bottom Column Floa-		<pre> Column Line Length > u t</pre>
		r
		Running Footing
		Bottom Margin

SCRIPT/VS Terms for Parts of the Page.

Logical Device Type	Real Device Type	Lines per Inch	Page Width	Size Length	Bind		gins Bottom	Line Length	Class of Device
TERM 2741 3270	(1) 2741 3270	6	8.5i	11 i	2	.5i	.5i	6i	
1403N6 1403N8 1403W6 1403W6 1403W6S 1403W8S 1403SW8 (2)	1403	686866	8.5i 8.5i 13.5i 13.5i 13.5i 13.5i 8.5i 13.5i	11 i 11 i 11 i 11 i 8.5i 8.5i 11 i	li	.5i	.51	6i	line
3800H6 3800H2 3800H6 3800H6 3800H6 3800H2 3800H2 3800H8S 3800H8S 3800H8S 3800H8S 3800H8S 3800H8S 3800H8S	3800	6 8 12 6 8 12 6 8 12 6 8	8.5i 8.5i 8.5i 13.5i 13.5i 11.5i 11.5i 11.5i 13.5i	10 i 10 i 10 i 10 i 10 i 7.5i 7.5i 7.5i 7.5i 7.5i 7.5i	li	0	0	6 i	
38PPN 38PPW 38PPNS 38PPWS	3800-3	(*)	8.5i 13.5i 11 i 13.5i	10 i 10 i 7.5i 7.5i	li	0	.1251	6i	
38PPH90 38PPHS90 38PPH270			10 i 7.5i 10 i	13.5i 11 i 13.5i	.51	. 5i	.5i	6 à	page printers
3820A 3820A90 3820A180 3820A270 3820L 3820A4 3820B4 3820B4 3820B5	3820	(2)	8,5i 8,5i 8,5i 8,5i 8,5i 210nm 257nm 182nm	11 i 11 i 11 i 11 i 14 i 297mm 364mm 257mm	li	. 5 i	. 51	6i	
4250A 4250B 4250L 4250A3 4250A4	4250	(3)	8.5i 11 i 8.5i 297nm 210nm	11i 17i 14i 420mm 297mm	lī	. 5i	.5i	61	

- The physical device type corresponding to the TERM logical device can be either 2741 or 3270, depending upon the actual terminal type.
- This is a 12-pitch device; all other 1403 devices are 10-pitch.
- 3 The linespacing for page printers is determined by the .LS [Line Spacing] control word and the fonts used in the document.



	Date and Time 1	
&SYSYEAR &SYSMONTH &SYSDAYOFM &SYSDAYOFW &SYSDAYOFY &SYSHOUR &SYSMINUTE &SYSMECOND	Year of the century Month of the year Day of the month Day of the week Day of the year Hour of the day Minute of the hour Second of the minute	00 - 99 01 - 12 01 - 31 1 - 7 ("1" is Sunday) 001 - 366 00 - 23 00 - 59 00 - 59
	Output Device Characteris	tics
&\$LDEV &\$OUT &\$PDEV	logical output device ² Output destination Physical output device	1-8 characters TERM, PRINT, FILE 1403, 2741, 3270, 38PP 3800, 3820, 4250
	SCRIPT Command Option	5
&\$BE &\$BO &\$CHAR(n) &\$DCF &\$INDX &\$LIB &\$PARM &\$PASS &\$PRT &\$SYS &\$TWO	Even bind 3 4 Odd bind 4 6 Forts) SCRIPT/VS Release level Indexing 6 Macro library available 6 Command options 7 Current pass number Current page print switch Environment TWOPASS option in effect 6	0 - nnn 0 - nnn 1 - 4 characters 3.0 0.1 8 - 256 characters 1, 2 0N, OFF CMS, TSO, VS2, VSE, CICS
8\$UNF	Unformatted output 6	0, 1
	Page Characteristics	
8 SBE 8 SBM 8 SCL 8 SCL 8 SCIN 8 SCIN 8 SCIR 8 SCIC 8 SCIC	Bind Even (BIND) Bottom margin (.BM) * Bind Odd (BIND) Column line length (.CL) * Footing margin (.FM) * Left indention (.IR) * Right indention (.IR) * Line length (.LL) * Offset (.OF) * Page length (.LL) * Page width (.PM) * Top margin (.TH) *	0 - non 0 - non 0 - non 1 - non 0 - non 0 - non 0 - non 0 - non 0 - non 1 - non 1 - non 0 - non
	SCRIPT/VS Formatter Param	eters
8\$BS 8\$CONT 8\$CW 8\$C256 8\$EGML 8\$ENV	Backspace Character Continuation character ¹¹ Control word separator ¹¹ Identity vector GML end-tag delimiter ¹¹ Formatting environment	hexadecimal 16 one character (default: ";") 256 characters (default: "::") 80DY,FL,FN,KP,RF,RH, IBP,AR,FNL
&PFNAM &GML &GKP &GLHUM &GLHUM &GLHUM &GLHUM &GLHUM &GLHUM &GLHUM &GHHUM	Current input file name GML tag delimiter 1 1 Keep in process Last line number read Line Started Page number 12 Page number symbol 11 Required Blank 11	ior, Ak.rul eight characters (default: ":") ON, OFF 0 - nnn 0,1 1 - nnn (default: "%") (default: hexadecimal 41)
8\$RET 8\$SU 8\$TAB 8\$TAGD 8\$VR	Return code from .SY ¹³ Symbol substitution enabled Tab Character GML delimiter of last tag Vertical rules in effect	0 - nnn ON, OFF hexadecimal 05 å\$GML, &EGML ON, OFF

These symbols may contain leading zeros. They can be eliminated with a .SE [Set Symbol] control word: ".se SYSMOUR = &SYSMOUR + 0".

- Set by the DEVICE option of the SCRIPT command.
- Set by the BIND option of the SCRIPT command and the .PM [Page Margins] control word.
- The system symbol values are represented in character spaces, regardless of the space units used in setting them. The maximum value depends upon the logical autput device.
- Set by the CHARS option of the SCRIPT command. This is a symbol array; element 0 contains the number of fonts specified and elements 1, 2, ... contain the names of the fonts specified.
- "l" indicates the command option was specified; "0" indicates it was not specified.
- This is the SCRIPT command options list. In CMS, the command options list is tokenized (divided into eight character fields separated by blanks and parentheses) and truncated at 32 tokens (256 characters).
- These values are represented in line spaces, regardless of the space units used in setting them. The maximum value de-pends upon the logical output device.
- The values of these symbols are represented in character spaces, repardless of the space units used in setting them. The maximum value depends upon the logical output device.
- 10 The value of the symbol &\$LC is the number of lines remain-ing in the current column, excluding unplaced keeps, floats, footnotes, widow zones and partial lines.
- 11 Set by the .DC [Define Character] control word.
- &PPN contains the numeric portion of the current page number. The page number as substituted can be obtained with the control word "se \times = 8".
- In CMS, any possible return code value. In TSO, "0" to indicate the command was stacked for execution after SCRIPT/VS terminates. In AIMS-III, "0" to indicate the control word was ignored. In batch, "-3" to indicate that .SY is not supported.

```
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                              8
                                9
                                    ABCDE
```

1403 Translate Table

```
7 8 9 A B C D E F
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                                    A
                                            DEF
```

3800 Translate Table

Text Fonts	Highlight Fonts	Special Fonts
GT10 Gothic (10-pitch) GT12 Gothic (12-pitch) GT15 Gothic (15-pitch)	GB10 Gothic Bold GB12 Gothic Bold GI12 Gothic Italic	GRIO Gothic Reverse GP12 Proportional
STIO Serif (10-pitch) STI2 Serif (12-pitch) STI5 Serif (15-pitch)	SIlO Serif Italic SIl2 Serif Italic SBl2 Serif Bold	RT10 Roman Text S012 Serif Overstruck

	Active Environm	ent	
Parameter	Control Word	Initial Setting	Symbol
Baseline Capitalization Column balancing Column balancing Continuation character Control word separator Current font Column definition Centering (2) Column line length Conditional sections Font save stack Formatting mode GML tag delimiters	.SB .UC, .UP .BC .DC CONT .DC CH .BF, .DF, .PF .CD .CC .CC .CS .BF, .PF .LS .FO, .NF, .FV .DC GML	OFF ORF ORF ORF ORF (null) n; Single column OFF Line length INCLUBE OMPTY TO ON EXTEND n; n; n; n;	&\$CON' &\$CW &\$CL
Horizontal space Indention Page number symbol Revision code, adjust Right adjust Right indention Spelling verification Tab setting Terminal input (2) Underscoring	.ES, .IC, .MS (2) .DC PS .RC .RI .IR .SV .TP .TE .UC, .US .UD	(1) 0 73 7 0FF, 2 0 FF 0 0 N 5 10 15 80 0 FF 0 FF	& EGMI & SIN & SPS & SIR

Page Environment			
Parameter	Control Word	Initial Setting	Symbo
Bottom margin	. BM	(1)	a\$BM
Hyphenation	. HY	OFF	
Page length	.PL	(1)	&\$PL
Page margins	. PM	(1)	&\$BO.
- 0			8\$BE
Page numbering mode	. PN	Arabic	
Page width	. PN . PH	(1)	& SPW
Symbol substitution (2)	. SU	DN	8\$SU
Top margin	. TM	(1)	&\$TM

	Translate Tab	les	
Parameter	Control Nord	Initial Setting	Symbol
Input translation Output translation Uppercase translation	.TI .TR .TU	Identity Identity a-z -> A-Z	

- These parameters' initial settings are based on the logical output device.
- The number of lines remaining, or ON or OFF, is saved.
- The composite current indention is determined from the .IN, .II, .UN, and .OF control word values. These values are individually saved.

The SCRIPT/VS Formatting Environment

Attribute	Function	
&a'	Converts a numeric character string! to a "base-26" low- ercase alphabetic "number."	
&A*	Converts a numeric character string to a "base-26" up- percase alphabetic "number."	
&AD'	Returns the depth of the material now in the specified named area.	
%DH'	Converts a space designation to an equivalent number of horizontal device units.	
&DV'	Converts a space designation to an equivalent number of vertical device units.	
8E*	Verifies the existence of a symbol; the value is 1 in the symbol has been set; 0 if not.	
&L1	Yields the length of a character string1.	
&r*	Converts a numeric character string ¹ into a lowercase roman numeral.	
&R *	Converts a numeric character string $^{\mathrm{I}}$ into an uppercase roman numeral.	
&sw'	Returns the width of a named segment.	
&SD'	Returns the depth of a named segment.	
&T'	Yields the type of the current value of a symbol. The type is either "N" for numeric or "C" for character.	
&U*	Converts a lowercase character string to uppercase.	
&V *	Yields the current value of a symbol.	
8W*	Yields the measured length of a character string in figure spaces of the current font. If you want the length of a character string in device units, use &DV or &DM* in combination with &M*.	
&X *	Converts a hexadecimal notation into a character string.	

The character string or space designation may be the value of a symbol.

Attributes of a Symbol's Value

8

Shift + Fredomish => Talo'

TRM

•



Ct1 Wd	Parameters	Description
	label [input line]	Set Label: Inserts a line that can bused as the target of a .GO controword.
. AA	tag [apf [(rules)]] [apf [(rules)]]	Associate APF: Maps a GML tag to th macro or control word that processe it, and gives the attribute scannin rules for the tag.
.AN	x test y input-line "test" can be: lt le eq ne gt ge < <x -x="" =="">>=</x>	And: Tests the relationship between "x" and "y". When the test is satisfied and the most recently processed. If, AN, or . OR was also satisfied SCRIPT/VS processes the input-line.
. AP	(name (file-id)) [token1 token14]	Append: Allows an additional file to be appended to the file just proc- essed.
.AR	areaname [ON] [TOP] [REPLACE] [DELETE] [OFF] [PUT]	Area Eegin: Specifies a group o lines to be kept in a <u>named</u> area for subsequent placement on a page.
.вс	COH OFF1	Balance Columns: Causes SCRIPT/VS to attempt to balance the columns by distributing text when a page ejectoccurs or when the column definition is changed.
.BF	[fontname] [=]	Begin Font: Causes SCRIPT/VS to use a new font. More than one font may be given; the first valid font lister will be used. Default: Restarts the current font.
.BL		Blank Line: Results in one line of vertical space; is generated by SCRIPT/VS and executed whenever a blank line is processed.
.BM	[v]+v[-v]	Bottom Wargin: Specifies the amount of mass in the bottom margin area. Cause String: Logical device dependent. Default: Restores the initial setting: CRIPTVS system symbol: &&BM
.BR	1 1	Break: Prevents the concatenation of the following text line with preced- ing text.
.BX	[NEM SET!OFF] [rulename] [rulename LEFT h RIGHT /] [CAN] [CHAR cname]	Box: Draws horizontal and vertical lines around subsequent output text.
. CB		Column Begin: Causes an eject to the next column (or next page).
.cc	[v]	Conditional Column Begin: Causes a column eject if less than a specified amount of space remains in the column. Default: .CC causes a column eject unless there is no date in the current column.
.CD	[n [h] h9]]	Column Definition: Specifies the num- ber of columns on the page and the position of each column. Initial Setting: One column at posi- tion 0.
.CE	[l n ON OFF input-line]	Center: Centers text lines between the current left and right margins.
.CL	(<u>0</u> h +h -h)	Column tine Length: Specifies the width of each column (all columns are the same width). SCRIPT/VS system symbol: &&CL
. CM		Comment: Identifies a comment line.
.CP	[v]	Conditional Page Eject: Causes a page eject if less than a specifier amount of space remains on the page. Default: .CP causes a page eject un- less there is no data on the current page.
.cs	n [INCLUDE IGNORE] n [ON OFF]	Conditional Section: Allows conditional inclusion of input in the formatted output. Initial Setting: All conditional sections included.

SCRIPT/VS Control Word Summary (Part 1 of 7)



Ct1 Wd	Parameters	Description					
.cT	[input-line]	Continued Text: Appends the input- line to the previous input text without an intervening word space.					
.DA greaname h [v] (PAGE) [180P] (SECTION) (FORT FORT AME) (TOTT FORT AME		Define Area: Defines a <u>named</u> area.					
		Define Character: Defines the characters for special functions. Parameters: ASEP: Array element separator characters: CONIT. Line continuation characters (&CONIT. Line continuation characters) CONIT. Control word separator (&SCW) &SECOMID GHL tag delimiter (&SCOMI. IXD: Index term blanks IXI: Index term nulls SIOP: End-of-mentencecters PSI: Page number symbol (&OPS) RB: Required blank (&SRB) NORD: Hord delimiter characters MCSI flarkup content separator characters Initial Settinos: ASEP: 40 GHL: 1: PS: & CONIT nome SIOC: 1: RB: 41 CONIT nome SIOC: 1: RB: 41 CONIT nome MCS: IXB: nome					
.DD	name (<u>LIB</u> DD DSN file-id)	Define Data File-id: Specifies t					
.DF	fontname (US UP UC STOP OS RPT n OS CHAR c BOX cname FONT (font-id) TYPE (() description [)] CODEPAGE op-id	Define Font: Defines internal font composed of external font character- istics and line formatting func- tions.					
.DH	n [options]	Define Head Level: Defines the formal and characteristics of the section headings produced by the .Hn control words. Default: Restores initial settings.					
.DL	name [name]	Dictionary List: Names spelling checking and hyphenation dictionaries.					
. DM	name [/limel//linen[/] x LIBe OFF name [/line[/] [x OFF] [name ON] [OFF]	Define Marro: Defines a macro using text SCRIPT/VS control words, and fined in the without prefixing each fined in the without prefixing each line of the macro with a .DM [Define Macro] control word.					
.DR	rulename [NEIGHT h] [FORT fontname]	Define Rule: Defines <u>named</u> rules or varying thickness.					
.DS		Doublespace Mode: Causes subsequent output lines to be doublespaced.					
.DU	(ADD DEL) word	Dictionary Update: Adds words to or deletes words from an addenda dic- tionary, which is used to supplemen- a SCRIPT/VS main dictionary for spelling verification and hyphen- ation.					
.DV	[symname] [Font fontname] [Baseline b] [/string[/] [symname] [Text] [/string[/]	Define Variable: Defines and assigns value to text variables.					
.EC	input line	Execute Control: Executes the input line as a control word even if there is a macro of the same name.					
.EF	(CLOSE)	End of File: Simulates an end of file condition.					
.EL	[input-line]	Else: Processes the input-line if the most recently executed .1F, .AN, or .OR control word was not satisfied.					
.EM	input line	Execute Macro: Executes the input line as a macro even if macro sub- stitution is off.					
.EQ		Equation: A reserved control word.					



Ctl Wd	Parameters	Description					
.ES [NORMAL [h]] [BY [f]]		Extra Space: Controls the formatting of multiple blanks by specifying the width of the extra spaces.					
.FL	CON OFF (DUMP) [TOP BOTTOM] [COL PAGE) [CODD EVEN] [ORDER]	Float: Delimits a group of lines to be kept together and placed at the top or bottom of a column or page.					
.FN	(ON OFF LEADER)	Footnote: Saves formatted text and prints it at the bottom of the page in single-column format.					
.FO	COM OFFI LEFT RIGHT CENTER INSIDE OUTSIDE LEXTEND TRUNC FOLD	Format Mode: Controls concatenation and justification of input lines. Initial Setting: ON EXTEND					
.FV	CTOP) CCENTER) (BOTTOM) (JUSTIFY)	Format Vertically: Specifies whether text is to be vertically justified. Also may be used to specify if text is to be at the top, bottom, or cen- ter of the columns if it is not jus- tified. Initial Setting: TOP					
.GO	[TO] label	Go To: Causes SCRIPT/VS to locate the input line identified with "label" and resume processing with that input line.					
.GS	[parameters]	GML Services: Provides a variety of functions helpful in writing APFs, including attribute scanning and symbol manipulation.					
.HR	[rulename] [LEFT] [TO] [RIGHT] [hl] [TO] h2] [hl FOR length]	Horizontal Rule: Places a horizontal rule in the current column.					
. HW	text-word	Hyphenate Mord: Specifies hyphenation points for a word that might need to be hyphenated during formatting.					
. НҮ	parameters	Hyphenate: Controls the SCRIPT/VS automatic hyphenation function and extonatic hyphenation function and extinct and the second of the second function and extinct and the second function and extended function and the second function and extended					
.Hn	[text-line]	Head Level n: Formats a section head- ing according to default character- istics supplied for the heading.					
.IC	[ESPACE [h]] [-h]]	Intercharacter Space: Controls the insertion of extra space between vices and the space of a line devices. Ignored for line delinitial Setting: 0 Default: Restores initial setting. Index Entry: Formats an index entry. Debas censerted by the TX Today.					
.IE	(H 1 2 3) string	control word.					
.IF	x test y [input-line] "test" can be: lt le eq ne gt ge < <= = -= > >=	If: Tests the relationship between "Me" and "y"; When the test is sat- ingut-line. Set of the "west is sat- input-line. Set of the "wise. SCRIPT/VS input-line. SCRIPT/VS input-line. SCRIPT/VS 'x test y" can also be: 'X'GAGE aqine EVENIODD 'X'SOUT eqine FXHIITERMIPAGE					
.IL	[<u>0</u> [h +h -h]	Indent Line: Indents the next output line the specified amount of hori- zontal space. Initial Setting: 0					
.IH	{name (file-id)} [token1 token14]	Imbed: Processes the named file at this point.					
.IN	[0]hi+hi-h] [FOR v1] [AFTER v2] [NOBREAK]	Indent: Specifies the amount of space subsequent output lines are to be indented from the current left nar- May cause a break. SCRIPT/VS system symbol: 80IN Initial Setting: 0					
.IR	[0 h +h -h] [FOR v1] (AFTER v2] [NOBREAK]	Indent Right: Specifies the amount of space subsequent output lines are to be indented from the current right margin. May cause a break. SCRIPI/VS system symbol: &GIR Initial Setting: 0					
.IS	[h] [-h] TO h [MINIMUM h2] BLANK BREAK ABSOLUTE	Inline Space: Inserts a specified amount of horizontal white space into the current line.					



Ct1 Wd	Parameters	Description				
.IT	IONIOFFIALLI CTLICMLIMACISUBI SNAPISTEPIRUNI Response to STEP: (null) PRE input-line REP input-line STK input-line	Input Substitution Trace: Provides trace of processing for as SCRIPT/VS control word and macro, well as symbol substitution. Mh. II STEP is in effect, the user r sponds interactively. Initial Setting: OFF.				
.IX	[] n] [name:control]/]	Index: Generates an index from terms previously specified with the .PI control word.				
. кр	(ONIFLOATIDELAY) INLINE(V)V + V(OFF)	Keep: Ensures that a group of output lines are kept together in the same column. SCRIPT/VS system symbol: &\$KP				
. LB		Leading Blank: Causes a break.				
.LI	[1]n[ON[OFF] input-line]	Literal: Ensures that input lines are treated as text lines by SCRIPT/VS (used when a text input line begins with a period). Initial Setting: OFF. Line Length: Specifies the length of				
.LL	[h]+h[-h]	lines in running headings and run- ning footings. SCRIPT/VS system symbol: &*LL Initial Setting: Logical device de- pendent: Default: Restores initial setting.				
.LO	[v]	Lead-Out: Identifies a place in a column where a specified amount of extra vertical white space may be placed during vertical justifica- tion.				
.LS	[parameters]	Line Spacing: Controls the depth of lines of text. Also controls allowmble ranges of conpression and expansion for vertical justification. Initial Settings: NORMAL - font dependent PY 1.0 PRANCE 1.0 Default: Restores initial setting.				
. LT		Leading Tab: Causes a break.				
. LY	[ON OFF SYM MAC]	Library: Specifies whether a library is to be used to resolve symbol and macro definitions. Use the LIB option to identify the libraries. Initial setting: OFF.				
. HC		Multicolumn Mode:Restores column de- finition saved by a previous .SC [Single Column Model control word.				
.HE	[input-line]	Macro Exit: Ends a macro and returns control to the macro'scaller. The input-line is processed as though it were part of the macro's caller.				
. MG	/[code]/message/[/]	Message: Produces a message similar in format to the SCRIPT/VS error messages.				
. MS	LOM10FF1	Macro Substitution: Causes SCRIPT/VS to recognize and process macros. Initial Setting: OFF Default: ON				
, NF	CON J (EXTEND) COF J (FOLD) LLEFT J (TRUNC J CCENTER J LRIGHT J LINSIDE J COUTSIDE J	No Formatting: Cancels or restores concatenation of input lines and justification of output lines. Initial Setting: OFF EXTEND Default: ON				
. NL		Null Line: Causes a break.				
.oc	(line 'string')	Output Comment: Specifies data that is to be inserted into the output document as it is, as an output comment. Ignored for page printers.				
.OF	(<u>U</u> h +h -h)	Offset: Causes a hanging indention (a paragraph in which the indention of the first line is unchanged and sub- sequent lines are indented to the offset value.) SCRIPT/VS system symbol: &*OF Initial Setting: O				
.OR	x test y (input-line) "test" can be: lt le eq ne gt ge < <= = -# > >=	Or: Tests the relationship between "x" and "y". When the test is satisfied or the most recently executed .IF, .AN, or .OR was also satisfied, SCRIPIV5 processes the input-line.				



Ct1 Wd	Parameters	Description
.PA	[n +n -n] [NOSTART] [ODD]EVEN] [ON OFF]	Page Eject: Causes a page eject, and can set the page number of the new page. Default: Ejects to next se- quential page.
.PF		Previous Font: Causes the last stacked font to become the current font.
.PI	[START END ORDER REF] [KEY /k1/k2/k3/] /t1[/t2[/t3[/pn]]]	Put Index: Puts a multi-level term in the index.
.PL	[v +v -v]	Page Length: Specifies the amount of space, including top and bottom mar- gins, for each output page. Initial Setting: Logical device de- pendent. Default: Initial Setting. SCRIPT/VS system symbol: &PPL
.PM	[h] [h2] (NOBIND) [+h] [+h2] [-h] [-h2]	Page Hargins: Overrides page binding set with BIND option of the SCRIF specified in less NOBIND parameter was specified in the setting logical device and binding dependent. Default Initial Setting SCRIFT/VS system symbols: 8280, 828E
.PN	(n OH OFF OFFNO! ARABIC ROMAN ALPHA NORM FRAC PREF string)	Page Numbering Mode: Controls ex- ternal and internal page numbering. Initial Setting: Arabic numerals from 1. SCRIPT/VS system symbol: &*PN
.PT	input-line	Put Table of Contents: Places the in- put line (which may be a control word, macro, GML tag, symbol, or line of text) into the file used to accumulate table of contents entries (DSMUTTOC).
. PW	(h] [+h] [-h]	Page Midth: Specifies the width of the logical page, including the page margin (binding). Initial Setting: logical device de- pendent. Default: Initial setting. SCRIPT/VS system symbol: 8*PM
.PX	[c] [OFF] [NULL] [/string[/]]	Prefix: Specifies that lines read from input files that begin with specific control characters be pre- fixed with given character strings.
- 44		Quick Quit: Causes SCRIPT/VS process- ing to terminate immediately without completing the current page.
. QU		Quit: Causes SCRIPT/VS processing to terminate after completing the cur- rent page.
.RC	n (ON OFF ON/OFF c) * c ADJUST 2 h	Revision Code: Specifies a revision code symbol that is to be printed to the left of the output line that contains updated material.
.RD		Read Terminal: Allows user to type in one or more text lines while a file is being formatted.
.RE	(envname)	Restore Environment: Restores envi- ronments that have been previously saved with the .SA [Save Environ- ment] control word. Environments may be restored by name.
.RF	[ON OFF CANCEL] [ODD EVEN] [CANCEL SUP RES] [EXECUTE]	Running Footing: Specifies input lines that are to be saved as a run- ning footing and processed at the bottom of each appropriate page.
.RH	[ON OFF CANCEL] [ODD EVEN] [CANCEL SUP RES] [EXECUTE]	Running Heading: Specifies input lines that are to be saved as a run- ning heading and processed at the top of each appropriate page.
.RI	(l n ON OFF input-line)	Right Adjust: Produces output lines that are unconcatenated input lines aligned with the right-hand margin.
. RN	(<u>ON</u> OFF]	Reference Numbers: Numbors output lines serially in body of page. Ig- nored for page printers. Initial Setting: OFF.

SCRIPT/VS Control Word Summary (Part 5 of 7)



Nd Parameters Description	Ct1							
a value to a symbol name by enterini it at the terminal in response to a interactive request made with the content of the cont	11d							
SSE [] Shift Baseline: Specifies that subsequent text is to be placed above or below the normal baseline. Ignored for line devices. SC Symname(n)	. RV	symname [[≈]']	a value to a symbol name by entering it at the terminal in response to an interactive request made while SCRIPT/VS is processing the input file.					
For line devices	, SA	[envname]	saved by <u>name</u> .					
to save the current column definition and format subsequent input lines in a single column. SE symmames(n)] 'qstring'! gymmanes(n)] = [symvalue] Set Symbol: Defines a symbol name and assigns a value to it. SI Sugname (18) OFF Symbol: Defines a symbol name and assigns a value to it. SI Sugname (18) OFF Symmane (18) OFF Symma	.SB	[-v] for line devices. Initial Setting: D Default: Return current baseli						
'qstring(') symmalus SubSIR str	.sc		Single-Column Mode: Causes SCRIPT/V: to save the current column defi- nition and format subsequent inpu- lines in a single column.					
Tob Included in the document as the course to provide the course to	.SE	'qstring['] symname[(n)] = [symvalue] [81] [SUBSTR str start length [INDEX str] [str2] symname[(n)] OFF	assigns a value to it.					
.SO [DOC name] [FID name] [RPH password] [SPA password] [SPA password] [SPA password] [SPA [I] [A] [C] [P] .SP [I] [A] [C] [P] .SS .SU [I] [A] [C] [P] .SU [I] [A] [C] [A] .SU [I] [A] .SU [I] [A] .SU [I] [A] .SU [I] [A] .SU [I] .SU [I] .SU [I	.SI	segname (WIDTH h] (DEPTH v) (INLINE)	to be included in the document a the current column position. Ignore					
CPR number CPR	.SK	tilol (a) (c) (b)	Skip: Specifies the amount of spacto insert before the next text out put line. No lines are inserted ithe .5% occurs at the top of a pagor column.					
.SS Single-Space Mode: Causes subsequent output lines to be single-spacedSU [lin ON OFF Substitute Symbols controls the substitution of symbols with their prescription of the substitution of the substitution of the substitution of the specification function. Emailed with the SPELLCHK option. Initial Settings ON. SSI [F[C] Spalling Verification Defines the substitution of t	.50	[DOC name] [PID name] [OPR number] [RPH] password] [DPW password]	STAIRS Output: Specifies information for STAIRS/VS CTF output.					
output lines to be single-spaced. SU [ln ON OFF Substitute Symbol: Controls the substitution of symbols with their president state of symbols with their president state of symbols with their president state of symbols with their president symbols (BASU Initial Sattings) ON SCRIPTVS system symbols &&SU Initial Sattings ON Spelling Verification: Defines the start and functions of the SCRIPTVS spelling verification function. Emabled with the SELICHK option. Initial Sattings ON. SX (F C) / Ipart/fill/rpart/ Spelling Verification of the SELICHK option. Initial Sattings ON. SSILT FEAT TWO SPELLING S	.sp		Space: Specifies the amount of spac to insert before the next text out put line. The specified number o lines are inserted even when the .S occurs at the top of a page or col unn.					
viously assigned values. SRIPI/VS system symbol. 885U Initial Satting. OR (ONIOFF) (MOSTEM)	. \$\$		Single-Space Mode: Causes subsequen output lines to be single-spaced.					
Split Text: Produces an output since Split Text: Produces an output since	.su	[][n]ON[OFF] line]	viously assigned values. SCRIPT/VS system symbol: &\$SU Initial Setting: ON					
Split Text: Produces an output since Split Text: Produces an output since	.sv	CONTOFFI ENGADDI ENGSTEMI ENUM)	Spelling Verification: Defines th start and functions of the SCRIPT/V spelling verification function. Embled with the SPELLCHK option. Initial Setting: ON.					
. In control words, and entries in serted with the .PT (Put Table o Contents) control word. Use the TMOPASS aption if the tabl of contents is not at the back o the document.	.sx	<pre>(F]C] /lpart/fill/cpart/</pre>	Split Text: Produces an output lin of three parts: "left" is aligne with the current left margin "right" is aligned with the curren right margin; "fill" is centered o repeated between the two strings.					
.TE [] n ON OFF) Terminal Input: Allows user to ente lines interactively from the terminal when the file is formatted.	. тс	[] n] [name control /]	An control words, and entries in serted with the .PT [Put Table o Contents] control word. Use the TNOPASS option if the tabl of contents is not at the back o					
	.TE	(1 n ON OFF)	Terminal Input: Allows user to ente lines interactively from the termi nal when the file is formatted.					

Ct1 Wd	Parameters	Description
.TH	[input-line]	Then: Processes the input-line if the most recently executed .IF, .AN, or .OR control word was satisfied.
.TI	[s t]	Translate Input: Specifies character translatins to be performed on in- ing begins. Experience of the Initial Setting: No translate is in effect. Default: Restores the initial set- ting.
.TH	{v +v -v}	Top Margin: Specifies the amount of space in the top margin area. SCRIPT/VS system symbol: 85TM Initial Setting: Logical device de- pendent. Default: Restores the initial set- ting.
. тр	CSET ADD DEL1 [[f/]b] CLEFT CENTER RIGHT CHAR c	Tab Position: Specifies tab settings and allows text to be left-, cen- ter-, right-, or character-aligned at each tab position. Default: clears the tab table.
.TR	(s t]	Translate Character: Specifies char- acter translations to be performed on output. Default: Restores the initial output translate table.
. TS	s [/string/ OFF IGNORE]	Translate String: Translates a single character into a string.
.TU	[s t]	Translate Uppercase: Specifies char- acter translations to be performed for capitalization. Initial Setting: No translate is in effect. Default: Restores the initial set- ting.
.TY	input-line	Type On Terminal: Types the input line on the user's terminal during formatting.
.UC	[][n]ON OFF input- line]	line on the user's terminal during formatting. Underscone and Capitalize: WIDER-SCORES AND CAPITALIZES one or more subsequent input lines. Initial Setting: OFF Default: 1
. UD	[ON OFF] [rulename] [v] [-v]	Underscore Definition: Datermines whether blanks will be underscored when the .UC and .US control words are used. Initial Setting: ON Default: Restores the initial setting.
. UN	Eg h +h ~h]	Undent: Causes the next output line's indention to change. It is moved to the left of the current left margin. Initial Setting: 0 Default: 0
.UP	[] n ON OFF input-line}	Uppercase: Prints one or more subsequent input lines in UPPERCASE characters. Initial Setting: OFF Default: 1
.US	[lin[ON]OFF] input-line]	Underscore: Prints one or more subsequent input lines with <u>underscored</u> characters. Initial Setting: OFF Default: 1
.UW	[word word]	Unvarified Words: Generated by spelling verification for unverified words.
.VR	[rulename] [h LEFT RIGHT] [LALIGH] [CENTER RALIGN] [OFF]	Vertical Rule: Place vertical rules in the column. SCRIPT/VS system symbol: &\$VR
. WF	[] n ON OFF TAG IMBED ERASE input-line]	Write to File: Writes one or more in- put lines to the output file DSMUTHER. IMBED: imbeds file DSMUTHIF. ERASE: erases file DSMUTHIF.
.WS	ENORMAL [h] (BY [+]]]	Mord Space: Controls the width of word spaces. Initial Setting: Dependent on default wordspace value of the current font. Default: Restores the initial sat- ting.
. WZ	(ON(OFF)	Midow Zone: Turns widow processing on or off. Initial Satting: ON Default: ON

Space Unit	Specified As	Examples
Centimeter	aCM	4.25cm 2,54cm 15cm
Character (Horizontal)	a .	5 12.5 1,33
Cicero	пСр	c12 (12 didot points) 2c3 (2 Ciceros and 3 points) c1.5 (1.5 didot points)
Device Unit (Horizontal)	HŒn	10dh 600dh
Device Unit (Vertical)	nDV	10dv 600dv
Em-space (Horizontal)	aMH -or- aM	6mh 6m .33mh .33m
Em-space (Vertical)	aMV	1mv .5mv
Inch	aI	3.5i 6,5i .75i
Line (Vertical)		2 3.5 1,75
Millimeter	aMM	12.7mm 25,4mm 100mm
Pica	nPp	p6 (6 points) 3p2 (3 picas and 2 points) pl.5 (1.5 points)

Where:

- a is a number of centimeters, characters, ems, inches, lines, or millimeters. The number may be fractional, with up to two decimal positions, and either a period (.) or comma (,) can be used to separate the integral and fractional portions of the number.
 - n is a number of whole ciceros, picas, or device units.
- p is a number of points. (There are twelve points in a cicero or pica, and 72 points in an inch.)

Space Units Notation

	. H0	.H1	. H2	. H3	. H4	. H5	.H6
New page for heading		yes					
Section breaks around heading		yes					
Heading alignment		out- side	left	left	left		
Space before heading	0	0	0	0	0	0	0
Skip before heading	0	0	3	3	3	1	1
Space after heading	D	5	2	2	2	0	0
Heading underscored		yes	yes		yes	yes	yes
Heading capitalized		yes	yes	yes		yes	
Break before heading		yes	yes	yes	yes		
Table of Contents entry	yes	yes	yes	yes			
Table of Contents only	yes						
Skip before T.O.C. entry		yes					
T.O.C. indention	0	0	0	2	4	6	8
Automatic hyphenation	0	yes	yes	yes	yes	yes	yes
Hanging indent	0	no	no	no	no	no	no

The .DH [Define Head level] control word is specified as .dh n options where "n" is the head-level being defined, and "options" are:

.dh n opt where "n" is t	ions he head-level being defined, and "options" are:
BR, NBR	Cause a break after heading
PA, NPA	Start a new page for the heading
TC, NTC	Create table of contents entry for the heading
TO, NTO	Table of contents entry only
TS, NTS	Skip before table of contents entry
UP, NUP	Capitalize the heading
US, NUS	Underscore the heading
DOT, NODOT	Separate table of contents entry from page number with "dot-leader"
NUM, NONUM	Number heading with decimal section number
SECT, NOSECT	Place heading in a single column section
AUTOHY, NOHY	Make heading automatically eligible for hyphenation
CENTER	Center the text of a heading
LEFT	Left justify the text of a heading
INSIDE	Align the text of a heading against the inside margin
OUTSIDE	Align the text of a heading against the outside margin
RIGHT	Right align the text of a heading
NOHANG	Do not format a multiple line heading in hang indent
	style
HANG N	Format a multiple line heading in hang indent style Automatically format a multiple line heading in hang
HANG AUTO	indent style
FONT fontname	Specify font to be used for the heading
SPRF V	Amount of space to precede the heading
SKBF V	Amount of space to be skipped before the heading
SPAF V	Amount of space to follow the heading
TCIN h	Amount of indention for table of contents entry
	Specify the font for table of contents entry
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