

8 NOVEMBER 1971

CALLS ON THE TTY LINE COLLECTOR

1) ALL CALLS ARE OF THE FOLLOWING FORM:

PARAM1: DATUM

BOTTOM 30 BITS: ACTION CODE

TOP 30 BITS: MODIFIER

PARAM2: BLOCK DATUM

THOSE CALLS THAT RETURN DATA (E.G. ↓GET A LINE↓) EXPECT
A RETURN PARAMETER AUTHORIZATION FOR DATA OF AT LEAST 12 WORDS.

2) A LINE IS PASSED TO THE LINE COLLECTOR IN THE BLOCK DATUM
PARAMETER, AND IS RETURNED FROM THE LINE COLLECTOR IN THE DATUM
RETURN AUTHORIZATION IN THE FORM:

WORD0: CHARACTER COUNT

WORDS 1 TO 11: SYSTEXT LINE

LINES ARE ALWAYS RETURNED WITHOUT BLANK COMPRESSION, BUT THE
LINE COLLECTOR WILL ACCEPT PRINT LINES WITH BLANK COMPRESSION,
HOWEVER, LINES TO BE EDITED MAY NOT HAVE COMPRESSED BLANKS.

3) ACTION CODES AND MODIFIERS:

ACTION=0 RESET. MODIFIER IGNORED. SETS PANIC CHARACTER
TO CONTROL-SHIFT-P. SETS BREAK TABLE
TO BREAK NON-GRAPHIC. PURGES ALL [INPUT]
TELETYPE BUFFERS.

ACTION=1 GET A LINE. EXPECTS DATA RETURN AUTHORIZATION.
SWITCHES BREAK TABLE TO NON-GRAPHIC.
BOTTOM 7 BITS OF MODIFIER ARE USED
AS A PROMPT CHARACTER UNLESS = 0.
BIT 1000B OF MODIFIER, IF SET, TURNS
OFF ECHO FOR THIS LINE. [BIT 2000B OF
MODIFIER, IF SET, CAUSES RETURN IF
NO LINE IS READY TO RETURN]. [BIT 4000B
OF THE MODIFIER, IF SET, CAUSES
INPUT LINES TO BE BLANK COMPRESSED.]

ACTION=2 OUTPUT A LINE. TERMINATES BY CHARACTER COUNT OR
CARRIAGE RETURN, WHICHEVER IS FIRST.
COMPRESSED BLANKS ARE PERMITTED ON THIS
CALL. IF A CARRIAGE RETURN IS PRESENT
A LINE-FEED IS ALSO TYPED. [IF BIT 1
OF MODIFIER IS SET, INTERPRET PER CENT
ESCAPE CONVENTIONS].

ACTION=3 OUTPUT A CHARACTER. THE BOTTOM 7 BITS OF WORD0
OF THE BLOCK DATUM PARAMETER (PARAM2)
WILL BE TYPED AS A CHARACTER. NON-
GRAPHIC CHARACTERS ARE ALLOWED. A
CARRIAGE RETURN WILL NOT AUTOMATICALLY
BE FOLLOWED BY A LINE-FEED. MODIFIER
IS IGNORED.

ACTION=4 EDIT A LINE. LINE CONTAINED IN PARAM2 IS MADE THE
OLD LINE. (NOTE-LINE MAY NOT CONTAIN
COMPRESSED BLANKS). MODIFIER IS AS
DESCRIBED IN ↓GET A LINE↓ (ACTION=1).

ACTION=5 GET A STRING. STRING IS TERMINATED BY A BREAK
CHARACTER AS SPECIFIED BY THE CURRENT

P:LINEC:DOC

BREAK TABLE. THE BREAK TABLE IS SELECTED BY THE *BT* FIELD OF THE MODIFIER, BITS 170000B. THE BREAK CHARACTER IS NEVER ECHOED. BUT THE PRECEDING CHARACTERS ARE ECHOED UNLESS BIT 1000B OF THE MODIFIER IS SET. SYSTEXT BITS ARE NOT SET IN THE RETURNED STRING, AND THE OLD LINE IS NOT AFFECTED. [BIT 2000B OF THE MODIFIER, IF SET, CAUSES RETURN IF NO STRING IS READY TO RETURN]. THE FOLLOWING BREAK TABLES ARE AVAILABLE:

RT=0 BREAK ON NONE
RT=1 BREAK ON ALL
RT=2 BREAK ON NON-GRAPHIC
RT=3 BREAK ON NON-ALPHAMERIC
RT=4 BREAK ON NON-NUMERIC

ACTION=4

CHANGE PANIC CHARACTER. BOTTOM 7 BITS OF MODIFIER ARE USED AS THE NEW PANIC CHARACTER. (CHARACTER IS TRUE ASCII, NOT TSS SHIFTED ASCII). *THIS ACTION IS TURNED OFF UNTIL NEED IS PROVED.*

NOTE- () INDICATE UNIMPLEMENTED FEATURES.